

पेटेंट कार्यालय  
का  
शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**(Chaitanya Prasad)**

**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

04<sup>th</sup> October, 2013

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**THE PATENT OFFICE  
KOLKATA, 04/10/2013**

**Address of the Patent Offices/Jurisdictions**

**The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-**

1	<p>Office of the Controller General of Patents, Designs &amp; Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</li> </ul>
2	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu &amp; Dadra and Nagar Haveli</li> </ul>	5	<p>The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a></p> <p>❖ Rest of India</p>
3	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 2808 1921 - 25 Fax: (91)(11) 2808 1920 &amp; 2808 1940 E.mail: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and the Union Territory of Chandigarh.</li> </ul>		

**Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)**

**[www.patentoffice.nic.in](http://www.patentoffice.nic.in)**

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

**Fees:** The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

**पेटेंट कार्यालय**  
**कोलकाता, दिनांक 04/10/2013**  
**कार्यालयों के क्षेत्राधिकार के पते**  
**विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ  
नीचे दिए गए हैं :-**

1	<p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत. फोन: (91)(22) 24123311 फैक्स: (91)(22) 24123322 ई.मेल: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु इंगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई.मेल: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a> ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्ष्मीप</p>
2	<p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387 ई.मेल: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a> ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	5	<p>पेटेंट कार्यालय कोलकाता (प्रधान कार्यालय), बौद्धिक संपदा भवन, सीपी-2, सेक्टर-V, साल्ट लेक सिटी, कोलकाता- 700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फैक्स/Fax: (91)(33) 2367 1988 ई.मेल: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a> ❖ भारत का अवशेष क्षेत्र</p>
3	<p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075. फोन: (91)(11) 2808 1921-25 फैक्स: (91)(11) 2808 1920, 2808 1940 ई.मेल: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a> ❖ हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>		

वेबसाइट: <http://www.ipindia.nic.in>

[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाएँ, विवरण या अन्य दस्तावेज या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे ।

शुल्क: शुल्क या तो नकद रूप में या "Controller of Patents" के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जाहौं उपयुक्त कार्यालय स्थित हैं।

## **SPECIAL NOTICE**

### **18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.**

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

**(Chaitanya Prasad)**

**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

## **SPECIAL NOTICE**

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18<sup>th</sup> months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

## **SPECIAL NOTICE**

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is no third party representation.

## Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2359/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SAKSHAM CATALYTIC CONVERTER

---

(51) International classification	:B01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHAGUFTA JABIN</b>
(32) Priority Date	:NA	Address of Applicant :HOUSE NO. 13-B, LEISURE
(33) Name of priority country	:NA	VALLEY APPTT 50C, SECTOR-46, FARIDABAD. Delhi India
(86) International Application No	:NA	<b>2)RUPAK KUMAR JHA</b>
Filing Date	:NA	<b>3)VIBHUTI JHA</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SHAGUFTA JABIN</b>
Filing Date	:NA	<b>2)RUPAK KUMAR DEB</b>
(62) Divisional to Application Number	:NA	<b>3)VIBHUTI JHA</b>
Filing Date	:NA	

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(57) Abstract :

Adsorption process is powerful technique that can be used for efficient removal of toxic materials from gas phase. Activated Charcoal is one of the important adsorbent that can be employed for these purposes. The use of activated Charcoal with Fe203 is perhaps best broad spectrum technology available at this moment. The selection of impregnating material of Fe203 with Charcoal has been done with keeping in mind many factors. On the basis of experiment results, it has been noted that activated charcoal in combination with Fe203 have been successfully used for treating highly polluted gases. The results indicated that Fe203 in combination with activated Charcoal removed 58.04% carbon monoxide, 75.21% hydrocarbon and 50.400/0 oxides of nitrogen. So far poisonous gases are concerned, activated charcoal may have been used earlier but combination of activated charcoal and Fe203 has been explored for the first time which has successfully removed all the undesired poisonous gaseous pollutants. So it is understood from the results that this work will give direction for further application in the field of automobile sector. Hence it is economical and different from conventional studies.

No. of Pages : 7 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2013

(21) Application No.2517/DEL/2013 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A ROTATING MAGNETIC FIELD BASED CALIBRATION OF TACHOMETERS

(51) International classification	:G01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SYED JAVED ARIF</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF ELECTRONICS
(33) Name of priority country	:NA	ENGINEERING, ALIGARH MUSLIM UNIVERSITY,
(86) International Application No	:NA	ALIGARH 202002, U.P. Uttar Pradesh India
Filing Date	:NA	<b>2)DR. MOHAMMAD SYED JAMIL ASGHAR</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SYED JAVED ARIF</b>
Filing Date	:NA	<b>2)DR. MOHAMMAD SYED JAMIL ASGHAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Different tachometers which include contact type, non-contact type, and both analog and digital tachometers are being used for speed measurement in the industries and laboratories etc. These tachometers are manufactured by physical materials and they are used in the real world of humidity, heat, physical stress, noise and vibrations etc., and as a consequence their performance gets affected and deteriorates. Therefore for accurate speed measurement and feedback control applications, a regular calibration of these devices is necessary. In the present invention a fast rotating magnetic field (RMF) is used to calibrate different types of tachometers. To achieve the said objective this invention provides the system comprising a high resolution function generator, a phase splitting circuit, three power amplifiers, a synchro, a zero crossing detector (ZCD) and a high resolution digital storage oscilloscope (DSO). A fast RMF is generated by the three-phase stator winding current of a synchro with the help of a high resolution function generator, a phasesplitting circuit and three power amplifiers. The movement of a rotating member coupled with the rotor of the synchro generates an ac voltage signal in its rotor circuit corresponding to a particular speed. This ac voltage signal is processed to get a square waveform by ZCD which is observed on the high resolution DSO and used to find out the exact speed of rotating member to calibrate different types of tachometers.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/06/2012

(21) Application No.1695/DEL/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SMART LIBRARY MANAGEMENT SYSTEM

(51) International classification	:A47J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)AMIT RANJAN**

**3)DEEPENDER SINGLA**

(72)Name of Inventor :

**1)GURSIMRAN SINGH**

**2)AMIT RANJAN**

**3)DEEPENDER SINGLA**

---

(57) Abstract :

The various embodiments of the present invention provide a library management system. The system comprises a plurality of borrowable library items with an RFID tag, a plurality of patrons provided with a unique ID card, an user interface unit for obtaining location information of one or more desired borrowable items, one or more racks for placing the plurality of borrowable items, a plurality of radio frequency identification antennas installed in each rack for identifying the location of the borrowable library items, an RF reader for decoding signals received from one or more radio frequency identification antennas, a monitoring system for monitoring an accurate location of the borrowable library items based on the decoded information from the RF reader and a central server connected to the monitoring system and the user interface unit through a network for storing the plurality of information associated with the borrowable library items.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2013

(21) Application No.2524/DEL/2013 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SLOTTED HOLES MESHED PLUG STEEL PILE

(51) International classification	:E02D
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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110042 Delhi India

(72)Name of Inventor :

**1)NARESH KUMAR**

**2)ASHUSTOSH TRIVEDI**

(57) Abstract :

Described herein is a Slotted Holes Meshed Plug Steel Pile that can be used in a variety of soil conditions as well as apparatus and associated methods. Slotted holes helps in increase of effective stresses in soil-steel pile surface interaction by draining out extra buildup of pore water pressure in the immediate and longer run of time. As the potential flow of water will not be outwards but inwards to inside of steel pile through slotted holes of steel pile. It relieves of chances of buildup of excess pore water pressure for liquefaction of soils in the radially stressed zones of interaction of soil-steel pile. As effective stresses are directly proportional to shear strength of the soil mass, thereby, it will lead to increase of side-resistance on soil-steel pile surfaces. The side-resistance which is a part of load carrying capacity of steel piles will be increased to a large extent due to increase of effective stresses on soil-steel pile interface. This will be further increased due to presence of slotted holes on the outer lateral surface of the steel pile which not only drains out pore water but also increase frictional forces due to roughness of the surface. In totality, it leads to increase in load carrying capacity of the pile, increase in the density of adjoining soil mass, consolidation of the soft soil and improved safety factor for designed loads of super-structures. The dewatering unit attached through a pipe from the top-most slotted hole of the steel pile shall act to remove the drained out water collected in-side the slotted hole steel pile. This special feature of slotted hole is provided throughout the vertical wall to accelerate the drainage in the entire zone of influence. A Meshed-Filter plug of a designed sieve size is placed inside the slotted hole of a steel pile either by Push-in method or by rotating a Mesh- Filter plug having external threads.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/12/2012

(21) Application No.3758/DEL/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WIRED/WIRELESS KEYBOARD SWITCH

(51) International classification	:H02J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

**1)PRASOON PRASHANT**

Address of Applicant :11 ASHOK NAGAR NEAR  
PACHKUIYA AGRA U.P. PIN CODE-282002 Uttar Pradesh  
India

(72)Name of Inventor :

**1)PRASOON PRASHANT**

(57) Abstract :

(1) Saves space (rather then having keyboards for many devices) one is capable to control most of the devices (2) Gives controlling capacity of many devices through a single platform (3) Increase comfort of using a device which user is very familiar with rather then new one (4) Gives both wired & wireless capability for the flexibility of the user (5) Easy to operate design (6) This technology can be further upgraded to control many new upcoming devices & other systems (7) Cheap to manufacture cause of simplicity of design & only some modifications & alterations are needed to the present production line of default keyboard (8) Take maximum advantage of wireless Bluetooth controlling concept (9) A optional shutter slider door can also be adapted for the isolation of special control switch mechanism

No. of Pages : 5 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2013

(21) Application No.3028/MUM/2013 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A MULTIFUNCTIONAL NUTRITIONAL ADJUVANT CHEMICAL COMPOSITION FOR USE IN AGRICULTURE

(51) International classification	:A01N 25/30, A01N 25/00	(71) <b>Name of Applicant :</b> <b>1)CHAUDHRY SUUNIL SUDHAKAR</b> Address of Applicant :A, 86/89 MIDC, INDUSTRIAL AREA, JALGAON 425003, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)CHAUDHRY SUUNIL SUDHAKAR</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses herein a multifunctional nutritional adjuvant chemical composition for use in agriculture with water comprises pH modifying complex matrix, pH indicators, surfactants, penetrating agents, auxiliary chemicals and solvent; having multiple uses in agriculture such as pH corrector, auto pH indicator, wetting agent adjuvant, plants immune system activator, plant defense mechanism enhancer, nutrient supplement and plant growth hormone provider. The invention further discloses the process for preparation of said multifunctional nutritional adjuvant chemical composition.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2013

(21) Application No.2856/MUM/2013 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTIPLE SHOPPING FROM MULTIPLE PLACES USING SINGLE GLOBAL MEMBERSHIP CARD BUSINESS MODEL.

(51) International classification	:G06Q20/00	(71) <b>Name of Applicant :</b> <b>1)GOVIND BALIRAM MOGHEKAR</b> Address of Applicant :AT. SHELHAL, POST. TONDCHIR, TAL. UDGIR, DIST. LATUR - 413517 MAHARASHTRA, INDIA. Maharashtra India <b>2)SWAPNIL SARJERAO DARADE</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)GOVIND BALIRAM MOGHEKAR</b> <b>2)SWAPNIL SARJERAO DARADE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Multiple shopping from multiple places using single global membership card comprises any kind of shopping using single membership card applicable for multiple associations and multiple individual brands. System gets affiliated to its clients by charging certain amount of money and gives certain amount of systems membership cards. Client has to distribute those cards to its liable customers. Clients can have more membership cards with certain extra charges per card. Any system customer having system membership card, gets facilitated with every information about offers of system clients. Systems customer also gets certain percentage of extra discount on his/her shopping by the said system. Users having global membership card just has to show and scan his/her card to respective shops and he/she would be applicable for said systems extra discount excluding clients discount. Customer can also use online shopping facility provided by systems website. System customer can also get offer of all the other clients affiliated to said system. System tracks all the shopping transactional information done by systems global membership card.

No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/09/2013

(21) Application No.3055/MUM/2013 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MOBILE WIND TURBINE.

(51) International classification	:F03D5/00	(71) <b>Name of Applicant :</b> <b>1)CH. ASHWIN RAO</b> Address of Applicant :YOGESHWARI PRASAD APARTMENT, TRIMURTI NAGAR, NAGPUR-440 022, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is a basic power issue in the world. And the most useful and perfectly die-without-having condition is with the electronic embedded gadgets in todays generation. Well, the gadgets need constant power feeding to keep them up and running properly, apart from their longevity and endurance guaranteed by different companies to different extent. To supply that we need an available power source on and off travel. Off travel is quite easily managed, but on travel seems to be a bit of a world-wide problem. Some devices have backup power accessories that provide charging but those are temporary as they themselves need charging. So we just need a specific source during travel which can be tapped to generate electricity. The most viable is that of the opposing wind. So this device that we have improvised generates electricity with the help of miniature wind turbines and a few solar panels to tap solar energy. A battery is present to help in the constant voltage source with an addition of a zener diode to stabilize the voltage supply to the battery and also to prevent the backflow of current. This device is quite handy and very smart with all the power generation equipments integrated into one small and compact device to ensure that the user never falls short of battery juice on travel. This device is named as itinerant charger due to the wind energy production,

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2013

(21) Application No.3036/MUM/2013 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYNERGISTIC ANTIBIOTIC COMPOSITION WITH GASTRO-RETENTIVE FLOATING OR BIOADHESIVE OR SUPER POROUS GEL PARTICLE COMPRISING AT LEAST TWO ANTIBIOTICS

(51) International classification	:A61K 9/20, A61K 38/00	(71) <b>Name of Applicant :</b> <b>1)J. SRINIVAS</b> Address of Applicant :23, VAISHAK , TIFR COLONY, BARC HSG. SOC., ANUSHAKTI NAGAR, MUMBAI - 400 094 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)J. SRINIVAS</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention belongs to the field of pharmaceutical technology comprising of a gastro-retentive floating or Bioadhesive or super porous gel particle of at least two antibiotics, to achieve the following objectives: a) Enhanced Antibacterial spectrum b) Minimal Bacterial Resistance to a broad spectrum Betaiactam antibiotic and C) Disruption of antibiotic resistant bacterial biofilm The Pharmaceutical Composition with a gastro-retentive floating or Bioadhesive or super porous gel particle consists of Cefixime provided in synergistic combination with Cloxacillin/Dicloxacillin or any other Oxacillin and simultaneously potentiated with Potassium Clavulanate and N-Acetylcysteine. The present invention comprises of a gastro-retentive floating or Bioadhesive or super porous gel particle to achieve immediate action as well as sustained 12-hourly action of all the active principles. Additionally, the present invention can be provided in other dosage forms -Topical, Injectable or as Suppository.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/09/2012

(21) Application No.2618/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PROCESS FOR PREPARATION OF WHOLE COLOSTRUM POWDER WITH HIGH NUTRITIONAL BIO-ACTIVE COMPONENTS AND LESS MICROBIAL COUNT

(51) International classification	:A23C 9/00, A23C 11/08	(71) <b>Name of Applicant :</b> <b>1)PRABHUEDSAI RAVINDRA VAMAN</b> Address of Applicant :B-1, 203-204, VIKAS COMPLEX, CASTLE MILL COMPOUND, LBS MARG, THANE (W) - 400 601 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)PRABHUEDSAI RAVINDRA VAMAN</b>
(33) Name of priority country	:NA	<b>2)PALKAR SANTOSH CHANDRAKANT</b>
(86) International Application No	:NA	<b>3)MALI SANDIP SHRIRANG</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for preparation of whole colostrum powder with high nutritional bioactive component, effective as therapeutic as well as preventive medicine. The invention further deals with the process for preparation of sterile colostrum product suitable for oral consumption with high bio-active component and minimum microbes.

No. of Pages : 15 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/06/2013

(21) Application No.2069/MUM/2013 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND DEVICE FOR GEMSTONE EVOLUTION□

(51) International classification	:G01N21/87	(71) <b>Name of Applicant :</b> <b>1)PATEL ARVINDBHAI LAVJIBHAI</b> Address of Applicant :4, MANICHANDRA -I, NR. SURDHARA CIRCLE, SAL HOSPITAL ROAD, THALTEJ, AHMEDABAD,-380054 GUJARAT, INDIA Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the method and device to determination of the properties of gemstones and more particularly evolution of gemstone by detection of internal and external structure of gemstone. In particular, the present invention methods and device is used to identify the size, location of impurities/defects in raw gemstone with the help of optimize spectroscopy scanning. The present invention method and device is used for precise automatic evolution of gemstones and possibilities (estimation) of final value of planned gemstone after remaining gemstone processing cycle.

No. of Pages : 24 No. of Claims : 12

## Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1234/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :12/06/2010

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A CLOSE HYBRID DYNAMIC DEHYDRATION SYSTEM FOR CONTROLLED DRYING OF FRUITS AND VEGITABLES□

(51) International classification	:F26B	(71) <b>Name of Applicant :</b> <b>1)PEPSICO INDIA HOLDING PVT LTD</b> Address of Applicant :3 B DLF Corporate Park S-block Kutub Enclave Phase-III Gurgaon -122 002 Haryana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Sanjay Prushottam Naphade</b>
(87) International Publication No	: NA	<b>2)Thataisreenivasan Ramsunder Murali</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Sudhir Kumar Nema</b>
Filing Date	:NA	<b>4)Satyam Gupta</b>
(62) Divisional to Application Number	:NA	<b>5)Mridu Narayan</b>
Filing Date	:NA	<b>6)Inder Singh Rahi</b>

(57) Abstract :

The present invention relates to a method of producing dehydrated food products having light color with less browning, when compared with conventional same food products, and having substantially same nutrional and vitamin values as that of natural food product. The present invention also relates to a close hybrid dynamic dehydration system.

No. of Pages : 50 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1782/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : WIND TURBINE AND METHOD FOR OPERATING A WING TURBINE

(51) International classification	:H02M
(31) Priority Document No	:12/825,951
(32) Priority Date	:29/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GENERAL ELECTRIC COMPANY

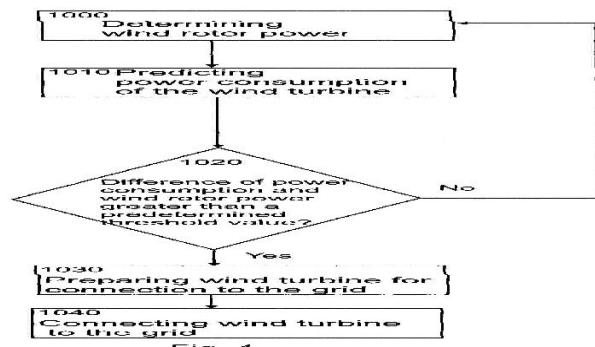
Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK, 12345 U.S.A.

(72)Name of Inventor :

1)MENKE DETLEF

(57) Abstract :

The present disclosure is related to a method for operating a wind turbine (100), the wind turbine comprising a wind rotor (160) and a generator (170) connected to the wind rotor, wherein the generator is adapted to be connected to a grid, wherein the method comprises: generating a signal for at least one of a run-up event or starting event of the wind turbine based on a predicted efficiency of at least one component (135, 165, 160, 175, 170, 180, 190, 200, 220) of the wind turbine. Further, the present disclosure is related to a wind turbine (100) comprising a wind rotor (160), wherein the wind rotor is mechanically connected to a generator (170) for transmitting the rotational power of the wind rotor to the rotor of the generator, wherein the output current of the generator is adapted to be selectively connected to a grid (210) by a circuit breaker (190), the wind turbine further comprising a control device (220) adapted to close the circuit breaker, wherein the control device is adapted to generate a signal for at least one of a run-up event or starting event of the wind turbine based on a predicted efficiency of at least one component (135, 165, 160, 175, 170, 180, 190, 200, 220) of the wind turbine. (Figure 4)



No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1783/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR OPERATING A WIND TURBINE, METHOD FOR DETERMINING THE TEMPERATURE OF A PERMANENT MAGNET AND CONTROLLER FOR A WIND TURBINE

(51) International classification	:H02M
(31) Priority Document No	:12/827,351
(32) Priority Date	:30/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)GENERAL ELECTRIC COMPANY

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK, 12345 U.S.A.

(72)Name of Inventor :

1)EDENFELD THOMAS

(57) Abstract :

The disclosure concerns a method for operating a wind turbine (100) having an electrical system, the electrical system comprises a permanent magnet generator (130, 300, 400) having a rotor (310, 410) and a stator (320, 420), and a power electronic device (170, 180, 190, 200) electrically connected to the permanent magnet generator, wherein the power electronic device and a circuit breaker (190) are electrically disposed in series between the permanent magnet generator and a grid (210), wherein the permanent magnet generator has permanent magnets and a generator winding (322, 324, 326, 422, 424, 426) into which a voltage is induced by the permanent magnets when the rotor is rotating, the method comprising: generating a signal for tripping the circuit breaker based on a field modification that is modifying the field of the permanent magnets (312, 314, 412, 414) of the permanent magnet generator. Further the disclosure concerns, a controller (220) for a wind turbine (100), the wind turbine comprising an electrical system having a permanent magnet generator (130, 300, 400) having a rotor (310, 410) and a stator (320, 420), and a power electronic device (170, 180, 190, 200) operatively connected to the permanent magnet generator, and a circuit breaker (190) electrically disposed in series between the permanent magnet generator and a grid (210), wherein the permanent magnet generator has permanent magnets a generator winding (322, 324, 326, 422, 424, 426) into which a voltage is induced by the permanent magnets when the rotor is rotating, wherein the controller is further adapted to be connected to a control circuit of the circuit breaker, wherein the controller is adapted to generate a signal for tripping the circuit breaker based on the field modification of the magnetic field of the permanent magnets (312, 314, 412, 414) of the permanent magnet generator. (Figure 2)

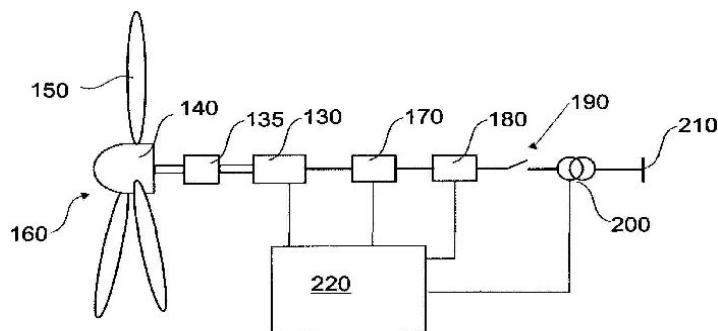


Fig. 2

No. of Pages : 30 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1785/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ACTIVE SEALING-DRAINING DEVICE

(51) International classification

:H02M

(31) Priority Document No

:12/826,025

(32) Priority Date

:29/06/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A sealing device (100) is provided. The sealing device (100) is for sealing a space (230) formed by an inner shaft (210) and an outer shaft (220) and for directing a flow of fluid, the inner shaft (210) and the outer shaft (220) being rotatable about a common coaxial axis (250). The sealing device (100) includes an inner seal element (120) adapted for being coupled to the inner shaft (210) so that the inner seal element (120) is locked against rotation relative to the inner shaft (210), the inner seal element (120) including a first inner sealing surface (160). The sealing device (100) further includes an outer seal element (140) adapted for being coupled to the outer shaft (220) so that the outer seal element (140) is locked against rotation relative to the outer shaft (220), the outer seal element (140) including a first outer sealing surface (180). The first inner sealing surface (160) and the first outer sealing surface (180) are adapted to form, by contact with each other, a first seal area (40; 240) including a first channel arrangement (40, 240) including at least one channel configured to actively drain a fluid from the first seal area (40; 240) when the seal elements rotate with respect to each other. (Figure 10)

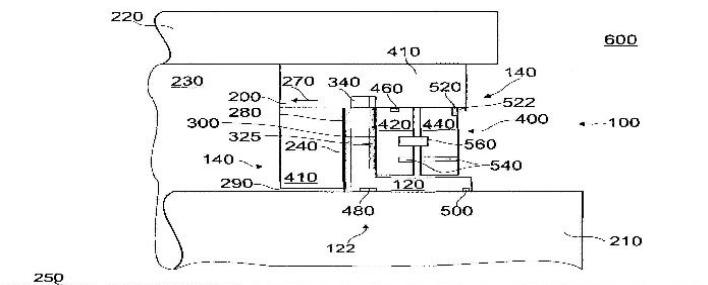


Fig. 10

No. of Pages : 51 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1786/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : AUTOMATIC GENERATION OF MESSAGES

(51) International classification	:G11B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ALCATEL-LUCENT

Address of Applicant :3, AVENUE OCTAVA GREARD,  
PARIS-75007, Karnataka India

(72)Name of Inventor :

1)DATTA, SAMIK

2)GOVINDARAJ, DINESH

3)MAJUMDER, ANIRBAN

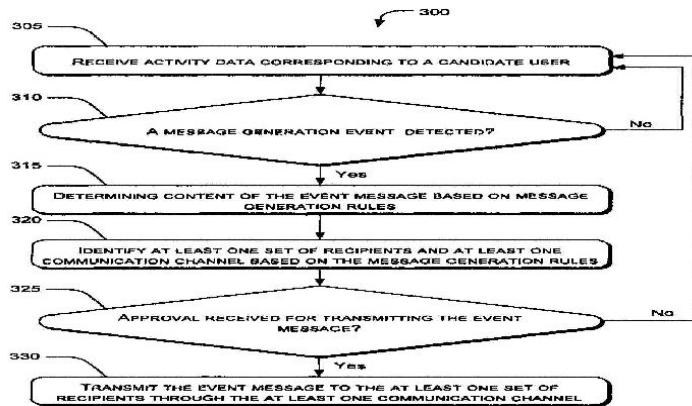
4)MENON, SREEDAL

5)NANDI, ANIMESH

6)K V M, NAIDU

(57) Abstract :

The present subject matter discloses a method and a system for generating event messages. The method includes analyzing activity data, received from one or more user devices (110) associated with a user, to detect occurrence of a message generation event. The activity data is indicative of activities of the user. In response to the occurrence of the message generation event, at least one recipient and a communication channel based in part on predefined message generation rules is identified. Further, an event message for the at least one recipient through the communication channel, based on the predefined message generation rules, is generated.



No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1787/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ANTIOXIDANT AND HEPATOPROTECTIVE POTENTIAL OF RESIDUE OF COW URINE AND PROCESS FOR THE SAME

(51) International classification	:G11B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KUMAR Ratendra</b>
(32) Priority Date	:NA	Address of Applicant :Faculty of Pharmaceutical Sciences
(33) Name of priority country	:NA	Jodhpur National University Narnadi Jhanwar Road Jodhpur
(86) International Application No	:NA	Rajasthan India
Filing Date	:NA	<b>2)PUROHIT Suresh</b>
(87) International Publication No	: NA	<b>3)BHANDARI Anil</b>
(61) Patent of Addition to Application Number	:NA	<b>4)RAM Veerma</b>
Filing Date	:NA	<b>5)SHARMA Sanjay</b>
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KUMAR Ratendra</b>
		<b>2)PUROHIT Suresh</b>
		<b>3)BHANDARI Anil</b>
		<b>4)RAM Veerma</b>
		<b>5)SHARMA Sanjay</b>
		<b>6)PUROHIT, SURESH</b>

(57) Abstract :

The present invention discloses an antioxidant and hepatoprotective composition comprising extracts or fractions of cow urine residue. More specifically, the invention provides antioxidant and hepatoprotective composition comprising hexane, ethyl acetate, butanol or aqueous extract of cow urine residue. The invention also provides a process for preparing an antioxidant and hepatoprotective composition comprising fractions of cow urine residue.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1905/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : WIND TURBINE BLADE WITH VARIABLE TRAILING EDGE

(51) International classification	:B64B
(31) Priority Document No	:10168529.5
(32) Priority Date	:06/07/2010
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LM GLASFIBER A/S

Address of Applicant :JUPITERVEJ 6, DK-6000 KOLDING,  
DENMARK

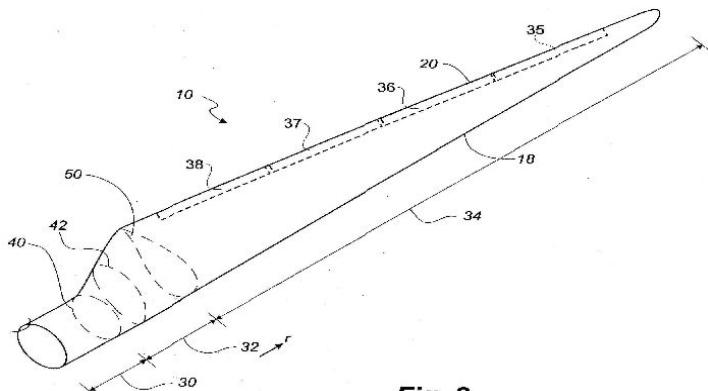
(72)Name of Inventor :

1)PETER B†K

2)PETER GRABAU

(57) Abstract :

The present invention relates to a wind turbine blade for a rotor of a wind turbine having a substantially horizontal rotor shaft. The blade may comprise a profiled contour comprising a pressure side and a suction side as well as a leading edge and a trailing edge, a chord extending between the leading edge and the trailing edge, and the profiled contour generating a lift when being impacted by an incident airflow. In a cross section of the wind turbine blade perpendicular to a lengthwise direction of the wind turbine blade, a suction side point is defined on the suction side at the trailing edge of the blade, and a pressure side point is defined on the pressure side at the trailing edge of the blade. The suction side point is movable in relation to the pressure side point, and the blade is further provided with a displacement device configured to displace the pressure side point and the suction side point so that a distance between the suction side point and the pressure side point can be varied. The present invention further relates to a wind turbine including such a wind turbine blade and to a method of operating a wind turbine including such a wind turbine blade. Fig. 2



**Fig. 2**

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1780/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HEAT SINKS WITH C-SHAPED MANIFOLDS AND MILlichannel COOLING

(51) International classification	:H02M
(31) Priority Document No	:12/826,016
(32) Priority Date	:29/06/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK, 122345 U.S.A.

(72)Name of Inventor :

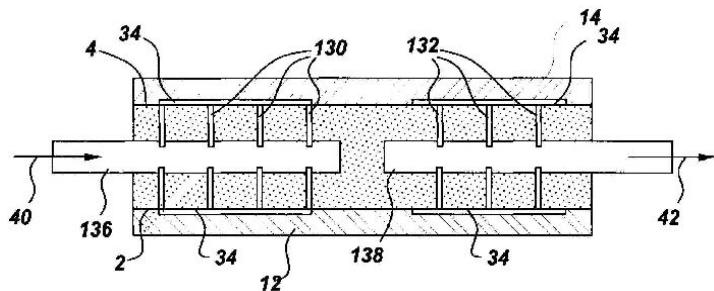
**1)PAUTSCH ADAM GREGORY**

**2)GUNTURI SATISH SIVARAMA**

**3)LAZATIN PATRICK JOSE**

(57) Abstract :

A heat sink (60, 70) for cooling at least one electronic device package (20) includes a lower lid (12), an upper lid (14), and a body (16) formed of at least one thermally conductive material. The body (16) is disposed between and sealed to the lower and upper lids (12, 14) and defines a tapered inlet distribution chamber (136) configured to receive a coolant, C-shaped inlet manifolds (130) configured to receive the coolant from the tapered inlet distribution chamber (136), inverted C-shaped outlet manifolds (132) configured to exhaust the coolant. The inlet and outlet manifolds are interleaved and disposed in a circular arrangement. The outlet manifolds extend around only a portion of the body and terminate adjacent to opposing sides (135, 137) of the inlet chamber. The body further defines a tapered outlet chamber (138) configured to receive the coolant from the outlet manifolds, where the inlet manifolds extend around only a portion of the body and terminate adjacent to opposing sides (131, 133) of the tapered outlet chamber (138). Milichannels (34) are formed in the body or are formed in at least one of the lids and are configured to receive the coolant from the inlet manifolds and to deliver the coolant to the outlet manifolds. The milichannels are disposed in a radial arrangement, and the milichannels and the inlet and outlet manifolds are fijrther configured to cool one of the upper and lower contact surfaces of the electronic device package. A lidless heat sink (80) is also provided. Fig 3.



**Fig. 3**

No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1781/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ELECTRIC DIVICE COMPRISING AN ALTERNATING CURRENT ELECTRIC MOTOR AND A CONTROL INVERTER AND A METHOD FOR MEASURING THE ELECTROMOTIVE FORCE OF THIS DEVICE

(51) International classification	:H02M
(31) Priority Document No	:1055085
(32) Priority Date	:25/06/2010
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VALEO SYSTEMES DE CONTROLE MOTEUR

Address of Applicant :14 AVENUE DES BEGUINES 95800,  
CERGY SAINT CHRISTOPHE, FRANCE.

(72)Name of Inventor :

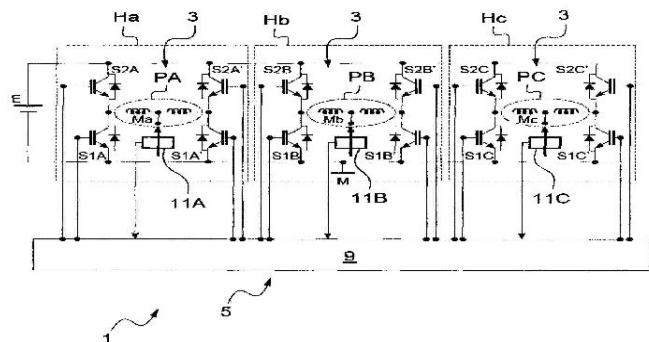
1)BORIS BOUCHEZ

2)LUIS DE SOUSA

(57) Abstract :

The invention relates to an electric device (1) comprising an alternating current electric motor (3) and a control inverter (5) for controlling the phase or phases of the motor (3). The motor (3) comprises, on at least one winding of at least one phase (PA, PB, PC), a point (Ma, Mb, Mc) for measuring a voltage relative to a predefined potential (M), the measurement point (Ma, Mb, Mc) being chosen so that it divides the winding into a first (Za1; Zb1; Zc1) and a second (Za2; Zb2; Zc2) portion such that the electromotive forces (ea1, ea2) induced in the two portions are phase-shifted relative to one another and means (11A; 11B; 11C) for measuring the voltage between the measurement point and the predefined potential. The invention also relates to an associated method for measuring electromotive forces. Figure 1

Fig. 1



No. of Pages : 31 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1901/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF AZILSARTAN MEDOXOMIL OR SALTS THEREOF

(51) International classification

:C07D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)JUBILANT LIFE SCIENCES LIMITED**

Address of Applicant :PLOT 1A, SECTOR 16A, NOIDA-201301, Uttar Pradesh India

(72)Name of Inventor :

**1)DUBEY, SHAILENDR KUMAR**

**2)BANSAL, DEEPAK**

**3)MISHRA, HIMANCHAL**

**4)CHOUDHARY, ALKA SRIVASTAVA**

**5)VIR, DHARAM**

**6)AGARWAL, ASHUTOSH**

---

(57) Abstract :

The present invention provides an improved process for the preparation of azilsartan medoxomil or salts therefore, with high yield and purity having less impurities and economically viable on commercial scale. Specifically, the invention provides a method for the preparation of highly pure azilsartan medoxomil with reduced content of impurity. The present invention further relates to novel intermediate compounds useful in the preparation of azilsartan or azilsartan medoxomil or salts thereof and process for preparation of these intermediates.

No. of Pages : 35 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1965/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR MILLING A BEVEL GEAR TOOTH SYSTEM IN THE CONTINUOUS MILLING PROCESS

(51) International classification	:B03C
(31) Priority Document No	:10 171 235.4
(32) Priority Date	:29/07/2010
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KLINGELNBERG AG

Address of Applicant :BINZMUHLESTRASSE 171, 8050  
ZURICH, SWITZERLAND

(72)Name of Inventor :

1)WILHELM KREH

(57) Abstract :

A method is concerned for milling a bevel gear tooth system in the continuous process, wherein a cutter head (20) comprising a plurality of pairs of inner cutting edges and outer cutting edges comes to application, wherein the inner cutting edges are arranged on a smaller fly circle radius than the outer cutting edges and wherein movements for a metal-cutting machining by milling are performed by a gear cutting machine such that both the bevel work gear and the cutter head (20) run linkedly. The following steps are performed: - performing a first continuous metal-cutting machining by milling using the gear cutting machine, wherein convex inner flanks on the bevel work gear are machined by means of the inner cutting edges and wherein this first continuous metal-cutting machining by milling is carried out using a first machine setting; - performing a second continuous metal-cutting machining by milling using a gear cutting machine, wherein concave outer flanks on the bevel work gear are machined by means of the outer cutting edges and wherein this second continuous metal-cutting machining by milling is performed using a second machine setting. (Fig. 3B)

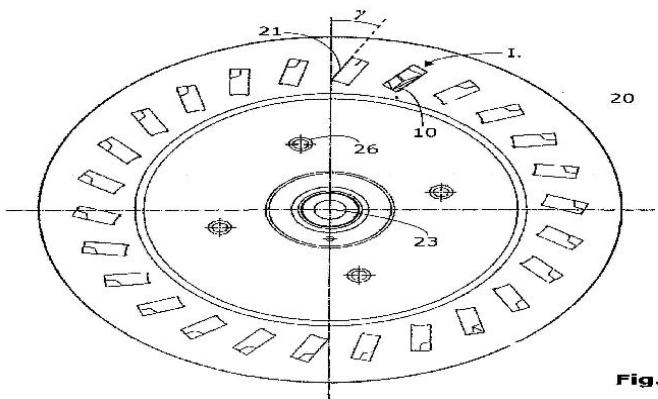


Fig. 3B

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.1784/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HEAT SINKS WITH MILLICHANNEL COOLING

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(51) International classification

:B28D

(31) Priority Document No

:12/826,128

(32) Priority Date

:29/06/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**  
Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK, 12345 U.S.A.

(72)Name of Inventor :

**1)PAUTSCH ADAM GREGORY  
2)GUNTURI SATISH SIVARAMA  
3)LAZATIN PATRICK JOSE**

(57) Abstract :

A heat sink (10, 50) for cooling at least one electronic device package (20) includes a lower lid (12), an upper lid (14) and a body (16) formed of at least one thermally conductive material. The body (16) is disposed between and sealed to the lower and upper lids (12, 14) and defines inlet manifolds (30) configured to receive a coolant and outlet manifolds (32) configured to exhaust the coolant. The inlet and outlet manifolds (30, 32) are interleaved and are disposed in a circular or spiral arrangement. Millichannels (34) are formed in the body (16) or in the lids, are disposed in a radial arrangement, and are configured to receive the coolant from the inlet manifolds (30) and to deliver the coolant to the outlet manifolds (32). The millichannels (34) and inlet and outlet manifolds (32, 34) are further configured to cool one of the upper and lower contact surfaces (22, 24) of the electronic device package (20). Heat sinks (10, 50) with a single lid are also provided.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1903/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF DARIFENACIN HYDROBROMIDE.

(51) International classification	:C07C 211/52	(71) <b>Name of Applicant :</b> <b>1)JUBILANT LIFE SCIENCES LIMITED</b> Address of Applicant :PLOT 1A, SECTOR 16A, NOIDA-201301, Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein is a process for preparation of darifenacin hydrobromide using 5-(2-bromo-ethyl)-2,3-dihydrobenzofuran as a precursor. An improved process for the preparation of 2-bromo-1-(2,3-dihydro-1-benzofuran-5-yl) ethanone is provided. Further, 5-(2-bromo-ethyl)-2,3-dihydrobenzofuran is synthesized by in-situ reduction of 2-bromo-1-(2,3-dihydro-1-benzofuran-5-yl) ethanone. Several novel compounds have been identified as impurities and the impurities are removed to provide highly pure darifenacin hydrobromide.

No. of Pages : 34 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1969/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : APPARATUS FOR A HIGH SPEED SLEEVELESS ROTOR

(51) International classification	:F21S
(31) Priority Document No	:12/846,980
(32) Priority Date	:30/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GE AVIATION SYSTEMS LLC

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(72)Name of Inventor :

1)ZYWOT JAN

2)JIA XIAOCHUAN

3)AUSTIN NORMAN K.

(57) Abstract :

A high-speed sleeveless rotor for an electric machine is provided. The rotor includes a shaft (108) rotatable about a longitudinal axis, and a rotor core (148) circumscribing at least a portion of the shaft, the rotor core including an axially oriented slot (306), the slot including a radially outer slot opening, a radially inner slot floor (320,604), and a slot sidewall extending therebetween, the slot floor including a topstick attachment member (322) extending radially outward from the slot floor and configured to engage a topstick (316) positioned in the slot opening (318), the slot sidewall comprising a shoulder configured to engage the topstick, preventing radially outward movement of the topstick. Fig. 1

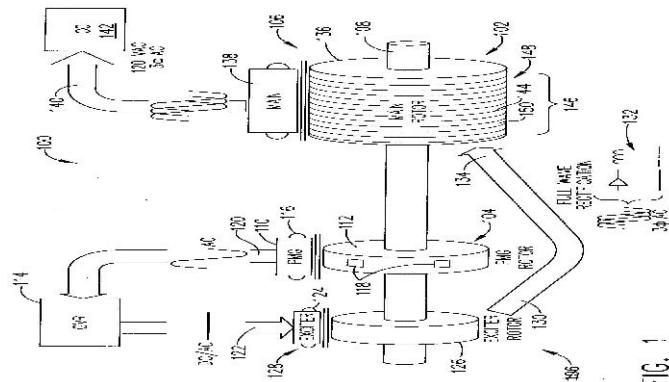


FIG. 1

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1970/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PULL STUD BOLT WITH EXTERNAL AND INTERNAL COOLANT AND METHODS

(51) International classification	:C07C
(31) Priority Document No	:CO2010A000040
(32) Priority Date	:30/07/2010
(33) Name of priority country	:Italy
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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FLORENCE, ITALY

(72)**Name of Inventor :**

**1)CIGNI EMANUELE**

**2)DONATI MAURIZIO**

(57) Abstract :

Systems and methods include using a pull stud bolt for connecting a tool holder to a collet in a spindle. The pull stud bolt includes a body configured to receive a tool holder, the body having a longitudinal passage fluidly connected to a cavity, the cavity fluidly connected to a plurality of longitudinal channels; a sealing ring disposed around an end of the longitudinal passage, the sealing ring in contact with the cavity; a spring disposed in the cavity; and a sphere in contact with the spring. The sphere is configured to unblock the end of the longitudinal passage by losing contact with the sealing ring when a first force applied to the sphere from the spring is less than a second force applied by a fluid flowing through the longitudinal passage. The first and second forces are substantially opposite in direction of application.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2010

(21) Application No.1310/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD OF PREPARING FLOUR OR SPLITS OF LEGUME

(51) International classification	:A01J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BUHLER AG

Address of Applicant :GUPFENSTRASSE 5, 9240 UZWIL,  
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1)ELIANA ZAMPROGNA

2)STEFANIA BELLAIO

3)MICHAEL JACOBS

4)BEATRICE CONDE-PETIT

5)URS KELLER

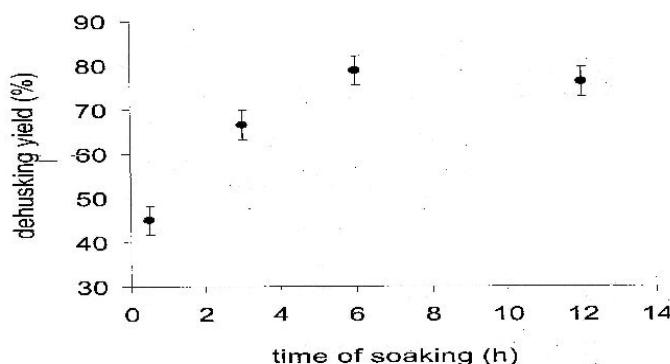
6)DIPAK BALASAHEB MANE

7)MARCEL NATTERER

(57) Abstract :

A method of preparing flour or splits of legume according to the invention comprises the steps of: i) providing legume; ii) allowing the legume to partially germinate; iii) optionally, terminating germination of the legume; iv) preparing the partially germinated legume for milling; v) optionally, milling the prepared legumes of step iv). Partial germination was found - besides increasing the content of nutrients and decreasing the content of antinutrients - to enhance the physical quality of splits and to enhance the dehusking yield. Moreover, nutritionally more beneficial flour and splits can be provided. [Fig. 3]

Fig. 3:



No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.1794/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HIGH SENSITIVE MAGANETIC TUNABLE SWITCHING RESISTANCE

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(51) International classification	:H03G
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
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(72)Name of Inventor :

**1)OGALE SATISHCANDRA BALKRISHNA  
2)SARMA DIPANKAR DAS  
3)RANA ABHIMANYU SINGH  
4)THAKARE VISHAL PRABHAKAR  
5)ANIL KUMAR**

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(57) Abstract :

The present invention discloses highly sensitive magnetic heterojunction device consisting of a composite comprising ferromagnetic (La<sub>0.66</sub>Sr<sub>0.34</sub>MnO<sub>3</sub>) LSMO layer with ultra-thin ferrimagnetic CoFe<sub>2</sub>O<sub>4</sub> (CFO) layer capable of giant resistive switching (RS) which can be tuned at micro tesla magnetic field at room temperature.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1974/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DRY FEED GASIFIER START-UP

(51) International classification	:F21S
(31) Priority Document No	:12/851,690
(32) Priority Date	:06/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)RUSSELL STEVEN CRAIG**

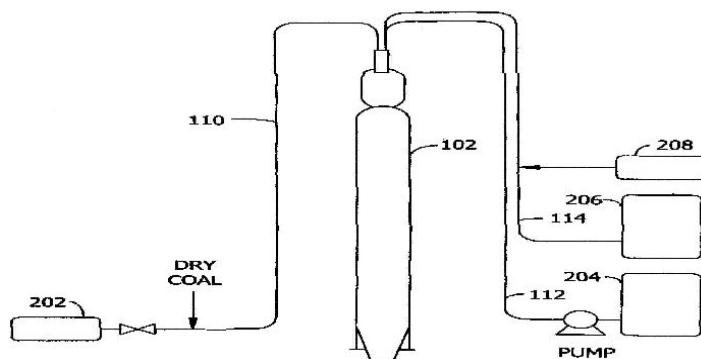
**2)ERGUT ALI**

**3)FERGUSON JAMAL ABDUL**

(57) Abstract :

A gasification system (100) including a gasifier (102) and a fuel feed system (104) coupled in flow communication with the gasifier. The fuel feed system includes a first feed line for injecting conveyance gas and dry fuel into the gasifier, a second feed line (112) for injecting a slurry of coal or a moderator into the gasifier, a stabilization fuel line (114) for injecting a stabilization fuel or a moderator into the gasifier, and a fuel feed system controller (106) comprising a processor. The processor is programmed to enable the stabilization fuel line to inject the stabilization fuel into the gasifier to initiate a stabilizer flame inside the gasifier, enable the first feed line to inject the dry fuel into the gasifier at a start-up dry fuel flow rate, increase the flow rate of the dry fuel from the start-up dry fuel flow rate to a normal operating condition dry fuel flow rate, decrease a flow rate of the stabilization fuel as the flow rate of the dry fuel increases to the normal operating condition dry fuel flow rate, and prevent the stabilization fuel line from injecting the stabilization fuel into the gasifier once the flow rate of the dry fuel is at the normal operating condition dry fuel flow rate or a gasifier reaction is stable. fig. 2

**Figure 2**



No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1976/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CARBON DIOXIDE CAPTURE SYSTEM AND METHODS OF CAPTURING CARBON DIOXIDE

(51) International classification

:C07C

(31) Priority Document No

:12/847,562

(32) Priority Date

:30/07/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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(72)Name of Inventor :

**1)WESTENDORF TIFFANY ELIZABETH PINARD**

**2)GENOVESE SARAH ELIZABETH**

**3)GROCELA-ROCHA TERESA**

**4)PERRY ROBERT JAMES**

**5)WOOD BENJAMIN RUE**

(57) Abstract :

In one embodiment, a system for recovering carbon dioxide can comprises: a reaction chamber having a first pressure and comprising a gas stream inlet; a phase-changing liquid sorbent, wherein the liquid sorbent is chemical reactive with carbon dioxide to form a solid material; a regeneration unit to decompose the solid material to released carbon dioxide gas and regenerated liquid sorbent; and a dry transport mechanism configured to transport the solid material from the reaction chamber at the first pressure to the regeneration unit at a second higher pressure. In one embodiment, a method of recovering carbon dioxide from a gas stream, comprises: chemically reacting carbon dioxide with a liquid sorbent to form a solid material; without adding a carrier fluid, dry pressurizing and transporting the solid material, to a regeneration unit; and heating the solid material in the regeneration unit to decompose the solid material to carbon dioxide gas and regenerated liquid sorbent.

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/06/2010

(21) Application No.1299/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A THERAPEUTIC COMPOSITION FOR TREATMENT OF NERVE DISORDERS□

(51) International classification	:A61K31/55;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)KAMLESH GUPTA**

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(72)Name of Inventor :

**1)Kamlesh Gupta**

**2)K K Aggarwal**

(57) Abstract :

The invention provides a therapeutic composition for treatment of nerve disorders. The composition is useful to cure or relieve many types of nerve disorders including but not limited to diabetic neuropathy, non-diabetic neuropathy, post herpetic neuralgia, trigeminal neuralgia, paralysis and cramps. The invention also provides process for preparing said composition.

No. of Pages : 6 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1910/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DRYING AND CLASSIFYING APPARATUS AND DRYING AND CLASSIFYING METHOD FOR MATERIAL TO BE TREATED

(51) International classification	:C25B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-164914	<b>1)TSUKISHIMA KIKAI CO., LTD.</b> Address of Applicant :17-15, TSUKUDA 2-CHOME, CHUO-KU, TOKYO 1040051 JAPAN
(32) Priority Date	:22/07/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)NOGUCHI, TAKAYUKI</b> <b>2)KATAOKA, MASAKI</b> <b>3)ITO, MASAYASU</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

There is provided a drying and classifying apparatus capable of efficient drying and classification for a material to be treated and a drying and classifying method thereof. The drying and classifying apparatus for the material to be treated includes: a rotating shell which has, on one end side, an inlet for the material to be treated and carrier gas and has, on the other end side, discharge openings for the material and the carrier gas, and which is rotatable around a shaft center; a heating unit heating and drying the material by heating an internal part of the rotating shell during the course where the material to be treated is fed from the inlet and the material is discharged from the discharge openings; a classification hood which has, in a bottom portion, a fixed outlet discharging the material and has, in a top portion, a fixed exhaust gas opening exhausting the carrier gas, and which is provided so as to cover the other end side of the rotating shell; and a dispersion gas jetting unit provided in a route that the material takes in the classification hood when moving to the fixed outlet.

No. of Pages : 36 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1912/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HIGH POWER-DENSITY, HIGH EFFICIENCY, NON-PERMANENT MAGNET ELECTRIC MACHINE

(51) International classification	:H01L
(31) Priority Document No	:12/842,142
(32) Priority Date	:23/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

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**1)ELANTABLY AHMED MOSTAFA**

**2)EL-REFAIE AYMAN MOHAMED FAWZI**

**3)KING ROBERT DEAN**

(57) Abstract :

A system and method of manufacturing an electric machine comprising a rotor and a stator, wherein the stator comprises a fractional-slot concentrated winding having two sets of terminals, wherein a first set of terminals configures the fractional-slot concentrated winding to have a first pole-number (P1), and wherein a second set of terminals configures the fractional-slot concentrated winding to have a second pole number (P2) different from the first pole-number (P1).

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1977/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SUBSEA MACHINE AND METHODS FOR SEPARATING COMPONENTS OF A MATERIAL STREAM

(51) International classification	:B23B
(31) Priority Document No	:CO2010A000041
(32) Priority Date	:30/07/2010
(33) Name of priority country	:Italy
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**1)PALOMBA SERGIO**

**2)BILLI SIMONE**

**3)MAMMOLITI FABRIZIO**

**4)MASI ANDREA**

**5)PAGLIANTINI ALESSANDRO**

---

**(57) Abstract :**

Systems and methods include using a subsea machine for separating a mixture received from a seabed well. The subsea machine includes: a chamber configured to receive and separate by gravity the mixture received from the seabed well. The chamber includes: a housing configured to contain the mixture received from the undersea well during separation, and a piston provided inside the housing and separating the housing into a top section and a bottom section. The piston is configured to move in a first direction along an axis to create more space in the top section for receiving the mixture from the seabed well and to move in a second opposite direction along the axis for removing the mixture from the chamber after separation has occurred.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1979/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : INKJET PRINTER HAVING A PAPER EDGE COVER

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(51) International classification	:B64D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-187957	<b>1)SEIKO EPSON CORPORATION</b> Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME, SHINJUKU-KU, TOKYO 163 - 0811, JAPAN
(32) Priority Date	:25/08/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KAWASAKI, KOJI</b> <b>2)HIRABAYASHI, MASATAKA</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

An Inkjet printer (1) has an Inkjet head (7) , a paper conveyance path (6) that conveys tractor feed paper (2) passed the printing position P of the inkjet head (7), and a pair of paper edge covers (21L, 21R) disposed on the opposite sides of the conveyance path portion passing the printing position P of the paper conveyance path (6) . The paper edge covers (21L, 21R) are covers that cover and hide the edge portions (2L, 2R) where the sprocket holes (2a) of the tractor feed paper (2) conveyed passed the printing position P are formed from the inkjet head (7) . The paper edge covers (21L, 21R) can reliably prevent problems such as nozzle clogging caused by paper dust from the sprocket holes (2a) at the edges of the tractor feed paper (2) clinging to the nozzle face (7a) of the inkjet head (7).

No. of Pages : 51 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.1833/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ELEVATOR

(51) International classification	:B66D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-167677	<b>1)TOSHIBA ELEVATOR KABUSHIKI KAISHA</b> Address of Applicant :5-27, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN
(32) Priority Date	:27/07/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)IKEDA KYOICHI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

According to one embodiment, a cage of elevator has a boundary indicating line (22) formed on the floor face (21) of the floor board part (20), and extending in parallel to the side face parts (30) or extending approaching the side face parts (30) from the end portion of the return panel (11) on the door board (16) side or from portion that is positioned at the door board (16) side of the end of the return panel (11) to the rear face part (40), so as to be able to distinguish a first area (21a) of the floor face (21) that contacts the center of the opening part from a second area (21b) which is the area other than the first area (21a).

No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.1896/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VARIABLE VALVE DEVICE

(51) International classification	:B61G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0123446	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-GU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:06/12/2010	<b>2)KIA MOTORS CORPORATION</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)CHOI MYUNGSIK</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A variable valve device includes an outer body that a valve contacts at a side thereof, wherein an end of the other side is supported by a hydraulic lash adjuster, a bearing contacting a cam is formed in the center, and a stepped latching device insertion hole is formed in the center of the other side, an inner body that is located in the outer body, including a side portion that can rotate together with an end portion of the outer body around a valve stem shaft in the same axis, and the other portion is connected to a bearing shaft, a latching device that is inserted in the latching device insertion hole, and that selectively causes movement of the outer body depending on the movement of the inner body, and a lost motion spring that is formed outside of the outer body, and that provides an elastic force to enable the inner body to perform a lost motion.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.1897/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DIRECT ACTING VARIABLE VALVE LIFT APPARATUS

---

(51) International classification	:B22B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0121619	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SECOHO-GU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:01/12/2010	<b>2)KIA MOTORS CORPORATION</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)CHOI MYUNGSIK</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

The present invention provides a variable valve lift apparatus including an outer body in which a hole is formed horizontally, and that moves upward/downward while slidingly contacting a high cam, an inner body that is inserted in the outer body, a hole is formed in steps such that the hole of the inner body is connected with the hole of the outer body, and moves upward/downward while slidingly contacting a low cam, a latching device that is inserted in the holes of the outer body and the inner body, and causes the movement of the outer body to be selectively dependent on the movement of the inner body, a plate that is located at a side of the latching device such that oil discharge from the outer body can be prevented, an upper seat that partially covers the inner body, and in which an oil passage is formed, and a lost motion spring that is located in the upper seat and provides the outer body with elastic force.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.22/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROPOSED DUAL MODE POWER WINDOW FOR LIGHT WEIGHT VEHICLES

(51) International classification	:B65B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RAJKUMAR DALAL**

Address of Applicant :VILL PO-SEGA JAGATPUR DIST-BULANDSHAHAR, Uttar Pradesh India

(72)Name of Inventor :

**1)RAJKUMAR DALAL**

**2)GULSHAN CHAUDHARY**

**3)DEEPAK KUMAR**

(57) Abstract :

The proposed system represents a modification in existing system of operation of power windows in Light Weight Vehicles. In case of failure of motor or electric/power system, there is a danger condition for the passengers inside light weight vehicles. We designed a system which is not power based. In the existing system there is no way to open the glass window. There are two ways in proposed system to open window in dangerous case, first if power window fails due to any reason and can't open by power system. Passengers from a five years old child to seventy years old person twist a mechanical lever/knob 90° in clockwise direction. The lever and cam system disconnect the motor mechanism, a spring which is compressed due to full close the glass window go immediately is in compressed mode open the glass 2-4 inches immediately, glass goes fully down with a small pressure of fingers. Second if fire or smoke sensed then control system give an indication in terms of LED blinking with a Beep sound, in case this if driver knows the accurate reason of sensing of smoke as smoking cigarette etc. then driver ignore this by a manual switch otherwise control unit open the all glass windows, open the central lock and activate all indicators, system may be off the engine of vehicle. If there is a mall function in any glass window, we received feedback of all windows for healthiness.

No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.1796/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : KNOCK-DOWN WOODEN DOOR FRAME AND WINDOW FRAME

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(51) International classification	:H03G	(71) <b>Name of Applicant :</b> <b>1)SUNIL CHOUDHARY</b>
(31) Priority Document No	:NA	Address of Applicant :2-GA-4, MADHUBAN HOUSING
(32) Priority Date	:NA	BOARD BASNI PHASE - 1 JODHPUR 324009 RAJASTHAN,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SUNIL CHOUDHARY</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

A wooden frame design and a process to manufacture it utilizing waste wood logs has been developed using sophisticated techniques of wood engineering to produce vertical side members (jambs) and horizontal cross-beam members. The door or window frames manufactured with the invention disclosed herein can be delivered in a ready-to-assemble state requiring no further on-site wood work or finishing. The side members and cross-beam members of required dimensions are further machined to produce complimentary faces which would hold together in the desired conformation and can be fixed in the door or window opening in the wall using metallic fasteners on to which doors can be hung directly.

No. of Pages : 25 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.2161/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD OF BONDING DISSIMILAR METAL MATERIALS AND BONDED BODY OF DISSIMILAR METAL MATERIALS

(51) International classification	:F04D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-194541	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN
(32) Priority Date	:31/08/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)TOMONOBU HATAKEYAMA</b>
(86) International Application No Filing Date	:NA :NA	<b>2)GOUKI YOTSUYA</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a method of bonding dissimilar metal materials each having a different melting point, comprising the steps of: positioning a steel member (high melting point metal material) and an aluminum member (low melting point metal material) to a bonding position; press-contacting a rotation tool to the steel member while the rotation tool is rotated, and inserting the rotation tool into the steel member; controlling an insertion position of the rotation tool to a position where the rotation tool does not break through the steel member; producing a friction heat at a portion between the steel member and the rotation tool; partially softening the steel member and the aluminum member by a conduction heat conducted from the friction heat thereby to allow the two members to cause a plastic flow; and partially stirring the steel member and the aluminum member by the rotation tool thereby to friction-stir weld the steel member and the aluminum member According to the above structure, a bonding strength, particularly, a peel strength of the dissimilar metal material can be greatly improved.

No. of Pages : 33 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2478/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR WIND FRICTION MONITORING

---

(51) International classification

:F03D

(31) Priority Document No

:12/607,276

(32) Priority Date

:28/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)KUMAR VIVEK**

**2)ANJANAPPA HEMANTH KUMAR**

**3)JOSE CHERY**

**4)VIDIYALA SANDEEP KUMAR**

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(57) Abstract :

A monitoring system for at least one wind turbine includes at least one sensor disposed at the at least one wind turbine to detect wind friction at the at least one wind turbine. At least one controller is connected to the at least one wind turbine, and a monitor server is connected to the controller to change an operational status of the at least one wind turbine based on wind friction data received from the at least one sensor. A method of operation of at least one wind turbine includes continuously measuring data relative to wind friction at the at least one wind turbine via at least one sensor located thereat. The data is continuously compared to a predetermined wind friction threshold. A trend in the comparisons is evaluated, and the operational status of the wind turbine is changed via a monitor server based on a result of the comparison.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2479/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD TO FACILITATE MAINTENANCE ON A WIND TURBINE

---

(51) International classification

:F03D

(31) Priority Document No

:12/607,615

(32) Priority Date

:28/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)NIEHUES THOMAS**

(57) Abstract :

A system (200,500) to facilitate maintenance on a wind turbine (100) including a control assembly positioned within a tower (102) defining an access opening (224) is provided. The system includes at least one rail (250) comprising a first rail portion (252) and a second rail portion (254) coupled to the first rail portion, the second rail portion extending outwardly through the access opening when coupled to the first rail portion, and at least one wheel (270) coupled to the control assembly, the wheel configured to engage the rail and enable movement of the control assembly along the rail to facilitate movement of the control assembly between an interior and an exterior of the tower.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.1805/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CIRCUIT BREAKER WITH OVERVOLTAGE PROTECTION

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(51) International classification

:H01K

(31) Priority Document No

:12/826,996

(32) Priority Date

:30/06/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)WALLING, REIGH ALLEN**

**2)LARSEN, EINAR VAUGHN**

**3)CLARK, KARA**

(57) Abstract :

A circuit breaker (434) is provided for protecting dynamoelectric machinery. The circuit breaker includes a feeder input connection (527) connected to a feeder line (426). The feeder line is connected to a dynamoelectric machine. A substation connection (528) is connected to a substation bus (432). An interrupting breaker (530) is connected between the feeder input connection and the substation connection. A shorting switch (520) is connected to the feeder input connection, and an impedance device (510) is connected to the shorting switch and a ground or neutral (446). The impedance device, shorting switch and ground/neutral reduces excessive voltages on the feeder line when the feeder line is isolated from the substation by the circuit breaker, and the impedance device is selected to reduce a torque transient experienced by the dynamoelectric machine.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.1868/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD OF MANUFACTURING PRE-BENT WIND TURBINE BLADES

(51) International classification	:H01T
(31) Priority Document No	:10169029.5
(32) Priority Date	:09/07/2010
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LM GLASFIBER A/S

Address of Applicant :JUPITERVEJ 6, DK-6000 KOLDING DENMARK

(72)Name of Inventor :

1)ERIK EIGIL OLESEN

2)MICHAEL SCHOLARTH KOEFOED

3)STEVEN HAUGE PEDERSEN

4)KLAVS JESPERSEN

5)JOHN JOSEPH JENO

(57) Abstract :

In a method of manufacturing a blade shell half of a pre-bent wind turbine blade by means of vacuum-assisted resin transfer moulding (VARTM), a fibre lay-up (16) is placed on a mould surface (14) and a distribution layer (24) is placed above the fibre lay-up (16). At least one segmentation area is provided in the distribution layer by providing at least one transversely extending flow barrier in the distribution layer (24) preventing or restricting longitudinal resin flow to the distribution layer. A longitudinally extending first feed channel (27) is placed above the distribution layer (24). The first feed channel (27) is divided into at least two feed channel sections, a feed channel section being arranged in each distribution layer segment. A vacuum bag (43) is arranged on top of the mould part (13) to define a mould cavity. The mould cavity (44) is evacuated and liquid resin is supplied to each feed channel section through a resin inlet to fill the mould cavity and impregnate the fibre lay-up. Fig. 7

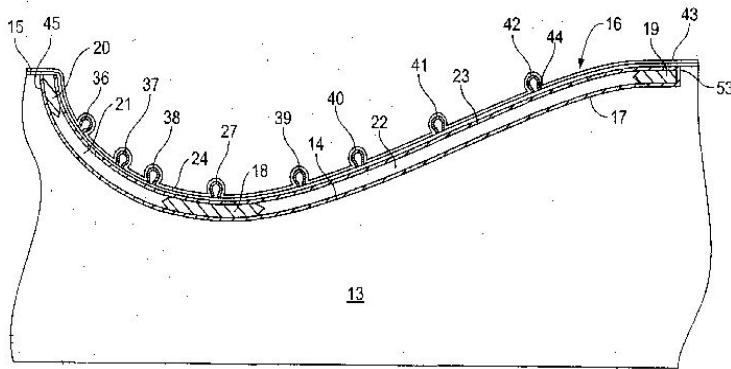


FIG. 7

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2010

(21) Application No.2420/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR POWERING A PITCH CONTROL SYSTEM

(51) International classification

:H02P

(31) Priority Document No

:12/605,633

(32) Priority Date

:26/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

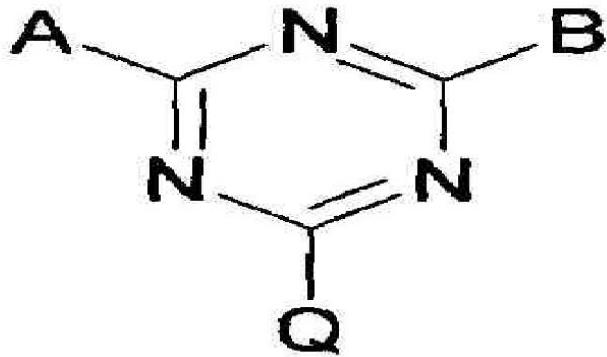
Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)MELIUS JEFFREY ALAN**

(57) Abstract :

A pitch control system (100) for a wind turbine (10) is provided. The pitch control system includes a motor (102) including an armature (104) and a winding (106), and a plurality of switching components (116) configured to control a first current through the armature independently of a second current through the winding (108).



No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/10/2010

(21) Application No.2487/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BRAKE CALIPER WITH BRAKE PAD TIMING AND RETRACTION CONTROLLER

(51) International classification

:B60T

(31) Priority Document No

:61/255,024

(32) Priority Date

:26/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

A brake caliper is provided with a timing and retraction controller that that adjusts brake timing, eliminates parasitic brake losses and dampens out-of-plane vibration between the brake pad and rotor. The brake caliper includes a housing disposed over a brake rotor; first and second opposing brake pads extendably and retractably mounted on opposite sides of the caliper housing, brake pistons that extend and retract the brake pads into and out of frictional engagement with the rotor, and brake pad timing and retraction controllers disposed on opposite sides of the caliper housing. Each controller includes a Belleville spring or other resilient member with a short compression travel limited to between about 1.50 mm and 0.025 mm. The short stroke Belleville spring of each controller applies a hold-off force against the extension force of the brake pistons that slightly delays brake pad extension and slightly reduces brake pad clamping force against the rotor, thereby advantageously providing a front wheel braking bias when applied to the rear wheels of a vehicle. The restorative force applied by the short stroke Belleville forcefully and uniformly retracts the brake pad from the rotor, eliminating parasitic brake losses, and dampening out-of-plane vibration between the brake pad and rotor.

No. of Pages : 28 No. of Claims : 37

(71)Name of Applicant :

**1)PERFORMANCE FRICTION CORPORATION**

Address of Applicant :83 CARBON METALLIC HIGHWAY,  
CLOVER, SOUTH CAROLINA 29710, U.S.A.

(72)Name of Inventor :

**1)DONALD L. BURGOON**

**2)PETER N. BABBAGE**

**3)NIHAL MURTHY**

**4)DARIN E. CATE**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.1799/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COALESCENT FOR AQUEOUS COMPOSITIONS

---

(51) International classification

:C07D

(31) Priority Document No

:61//398,499

(32) Priority Date

:25/06/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

A coalescent composition including from 20 to 80% by weight, based on the weight of the coalescent composition, ethylene glycol phenyl ether and from 80% to 20% by weight, based on the weight of the coalescent composition, diethylene glycol phenyl ether and a coalescent composition including from 20 to 80% by weight, based on the weight of the coalescent composition, propylene glycol phenyl ether and from 80% to 20% by weight, based on the weight of the coalescent composition, dipropylene glycol phenyl ether are provided. An aqueous coating composition including the coalescent composition and a method for providing a coating are also provided.

(71)Name of Applicant :

**1)DOW GLOBAL TECHNOLOGIES, LLC.**

Address of Applicant :2040,DOW CENTER, MIDLAND,  
MICHIGAN 48674, U.S.A.

(72)Name of Inventor :

**1)FELIPE AUGUSTO DONATE**

**2)BRIGITTE ROSE EMELIE**

**3)EVA-MARIA MICHALSKI**

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1983/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MOTOR VEHICLE

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:10 2010 036 575.0	<b>1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT</b> Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY
(32) Priority Date	:22/07/2010	(72)Name of Inventor :
(33) Name of priority country	:Germany	<b>1)MICHAEL HOLSCHER</b> <b>2)MICHAEL BAUM</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A motor vehicle, having a drive unit which comprises at least one internal combustion engine (10), wherein the internal combustion engine has at least two component internal combustion engines each with a crankshaft (17, 18) and each with a defined number of cylinders, wherein each of the component internal combustion engines (13, 14) each has at least one separate valve drive (25, 26, 27, 28) for actuating inlet valves (21, 22) and outlet valves (23, 24) of the cylinders (15, 16) of the respective component internal combustion engine (13, 14). (Fig. 1)

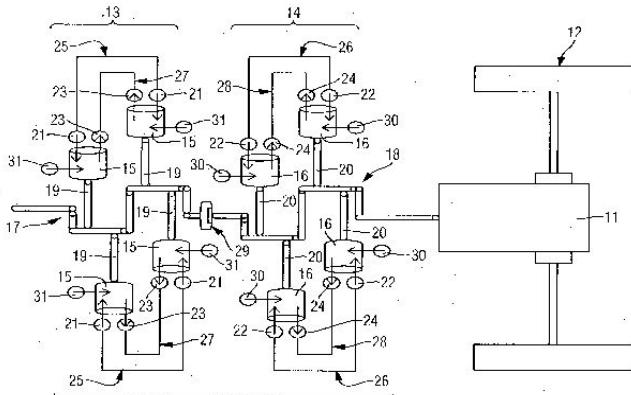


Fig. 1

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/10/2010

(21) Application No.2426/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NEW FORMALDEHYDE SCAVENGERS

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(51) International classification

:C08K

(31) Priority Document No

:PCT/US09/61052

(32) Priority Date

:16/10/2009

(33) Name of priority country

:PCT

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)RHEIN CHEMIE RHEINAU GMBH**

Address of Applicant :DUSSELDORFER STRASSE 23-27,  
68219 MANNHEIM, GERMANY

(72)Name of Inventor :

**1)ANA MARIA CANO SIERRA**

**2)JEFFREY A. RUSSEL**

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(57) Abstract :

The invention relates to new formaldehyde scavengers, a process for reducing the amount of formaldehyde by adding these scavengers and their use.

No. of Pages : 13 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/10/2010

(21) Application No.2492/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FLUID TRANSFER DEVICE AND SYSTEM

---

(51) International classification

:F16K

(31) Priority Document No

:61/280,172

(32) Priority Date

:30/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)MILLIPORE CORPORATION**

Address of Applicant :290 CONCORD ROAD, BILLERICA,  
MA 01821, U.S.A.

(72)Name of Inventor :

**1)BRIAN HILLIER**

**2)AARON BURKE**

**3)MARTIN SZYK**

**4)JOSEPH ALMASIAN**

(57) Abstract :

Fluid transfer apparatus including a body having a bore formed through at least a portion of its interior. Contained within the bore is a movable plunger that moves without changing the axial dimensions of the body. A first end of the body contains a face designed to be attached to an upstream component. A second end of the body is connected to a downstream component such as a filter, pipeline, etc. A first end of the plunger, when it is in the closed position, is in alignment with the face of the body, which combined form a steamable surface and a sterile barrier against the environment to the remainder of the interior of the body, the plunger and downstream components. An outer annular collar is rotatable relative to the body and causes the plunger to move axially within the bore from an open to a closed position.

No. of Pages : 42 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2010

(21) Application No.2560/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RECORDING DEVICE AND RECORDING MEDIUM SUPPLY MECHANISM FOR A RECORDING DEVICE

(51) International classification	:B41J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-269397	<b>1)SEIKO EPSON CORPORATION</b> Address of Applicant :4-1, NISHISHINJUKU 2-CHOME, SHINJUKU-KU, TOKYO 163-0811, JAPAN
(32) Priority Date	:27/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KUMAZAKI, MASAYUKI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A recording device and a recording medium supply mechanism for a recording device enable using both fanfold paper and roll paper as recording media. A printer assembly 4 has a print head 43. A fanfold paper supply unit 6 has a upper paper guide 45 and lower paper guide 47 that form at least part of the transportation path that guides the recording medium to the print head 43 side, and a tractor units 60 that supplies fanfold paper 120 with marginal punch holes to the transportation path. A roll paper holder 2 supports a paper roll 110, which is recording paper 112 that is conveyed through the transportation path and is stored wound in a roll. The roll paper holder 2 is disposed above the fanfold paper supply unit 6, which is located behind the printer assembly 4.

No. of Pages : 46 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/06/2010

(21) Application No.1371/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : THIS INVENTION RELATES TO A PROCES FOR PREPARING SULFUR LESS WHITE SUGAR

(51) International classification	:C13B20/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)THE DIRECTOR NATIONAL SUGAR INSTITUTE</b>
(32) Priority Date	:NA	Address of Applicant :THE DIRECTOR NATIONAL
(33) Name of priority country	:NA	SUGAR INSTITUTE KALYANPUR KANPUR 208 017 Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)S.K. MITRA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)NARENDRA MOHAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for preparing sulfur less white sugar comprising: subjecting the sugar cane juice to the step of heating to a temperature around 70°C and then it is clarified; heating the clarified juice to a temperature range of 102 to 104°C and allowed to settle; separating the clear juice from the top and concentrating it to form a Syrup; subjecting the Syrup to the step of clarification; adding flocculent to the Syrup to remove the impurities as scum; bleaching the Syrup; subjecting the same to the step of filtration; concentrating the filtered Syrup; subjecting the concentrated Syrup to the step of crystallization; subjecting the mixture to sugar crystals and mother liquor to the step of centrifugation, to separate the sugar crystals; drying and cooling the sugar crystals.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2011

(21) Application No.1863/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYSTEMS AND METHODS OF MONITORING COMBUSTIBLE GASES IN A COAL SUPPLY

(51) International classification	:B41D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/837,040	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:15/07/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)TAYLOR ROBERT WARREN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of monitoring a coal supply (106) includes receiving a sampled level of at least one combustible gas in the coal supply (106) from a combustible gas sensor device (102) embedded in the coal supply (106), analyzing the sampled level to identify an accumulated combustible gas condition, and indicating a combustible gas alert in response to the accumulated combustible gas condition.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1984/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POLYAMIDE MOULDING COMPOUND FOR PRODUCING MOULDED ARTICLES WITH A SOFT-TOUCH SURFACE AND ALSO CORRESPONDING MOULDED ARTICLES

(51) International classification	:C08B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 007	<b>1)EMS-PATENT AG</b>
	993.8	Address of Applicant :VIA INNOVATIVA 1, CH-7013
(32) Priority Date	:30/07/2010	DOMAT/EMS, SWITZERLAND
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)GEORG STOPPELMANN</b>
Filing Date	:NA	<b>2)BOTHO HOFFMANN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a polyamide moulding compound for producing moulded articles with a soft-touch surface, the polyamide moulding compound comprising a blend of an amine-terminated, amorphous polyamide and styrene-ethylene/butylene-styrene copolymer and also styrene-ethylene/butylene-styrene copolymer grafted with maleic anhydride. The invention relates furthermore to moulded articles which are produced with this moulding compound and the use thereof.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1985/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PROCESS FOR PRODUCTION OF A BOROHYDRIDE COMPOUND

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(51) International classification	:C07C
(31) Priority Document No	:60/561,681
(32) Priority Date	:12/04/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:693/DEL/2005
Filed on	:30/03/2005

---

(71)Name of Applicant :

**1)ROHM AND HAAS COMPANY**

Address of Applicant :100 INDEPENDENCE MALL WEST,  
PHILADELPHIA PENNSYLVANIA, 19106-2399, U.S.A.

(72)Name of Inventor :

**1)ARTHUR ACHHING CHIN**

(57) Abstract :

A process for production of a borohydride compound; said process comprising steps of (a) combining a boron-containing salt, and at least one of a metal and its hydride wherein the metal is Al, Si or a transition metal; and (b) grinding a mixture formed in step (a) to form the borohydride compound.

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/10/2010

(21) Application No.2435/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : VOLTAGE CONTROLLED SAW OSCILLATOR WITH PHASE SHIFTER

---

(51) International classification

:H03B

(31) Priority Document No

:61/251,976

(32) Priority Date

:15/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CTS CORPORATION**

Address of Applicant :905 WEST BOULEVARD NORTH,  
ELKHART, INDIANA 46514 U.S.A.

(72)Name of Inventor :

**1)REESER GLEN O.**

(57) Abstract :

An oscillator which, in one embodiment, is a voltage controlled surface acoustic wave oscillator including at least a surface acoustic wave filter and a voltage controlled phase shifter. In one embodiment, the phase shifter includes at least one low pass circuit and two high pass circuits coupled in series to improve phase shift versus control voltage linearity. In one embodiment, the low pass circuit includes at least a pair of inductors in series and a variable resistor coupled in parallel therebetween and to ground and the high pass circuit includes at least a pair of variable resistors in series and an inductor coupled in parallel therebetween and to ground.

No. of Pages : 14 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2565/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HYBRID DUST PARTICULATE COLLECTOR SYSTEM

---

(51) International classification	:B03C
(31) Priority Document No	:09174340.1
(32) Priority Date	:28/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ALSTOM TECHNOLOGY LTD**

Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND

(72)Name of Inventor :

**1)BACK ANDREAS OLOF**

(57) Abstract :

A method for removing dust particles from a raw gas stream (18), which comprises raw gas dust particles, in a hybrid dust particulate collector system (10) comprising an electrostatic precipitator (12), and a barrier filter (14) located downstream, with respect to a gas flow direction through the system (10), of said electrostatic precipitator (12), comprises cleaning at least a major portion of the raw gas stream (18) in the electrostatic precipitator (12), so as to obtain an ESP cleaned gas stream portion (22), and transferring a bypass fraction of said raw gas dust particles to a bypass fraction return region (70) located in or downstream of an outlet (20) of said electrostatic precipitator (12), and upstream of said barrier filter (14), said bypass fraction having a coarser dust particle composition compared to the composition of dust particles remaining in the ESP cleaned gas stream portion (22).

No. of Pages : 35 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2010

(21) Application No.2310/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A VAPOR PHASE FORMULATION AND A PROCESS FOR DETECTING LATENT FINGERPRINTS ON DIFFERENT SURFACES.

(51) International classification

:G06K9/20

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GURVINDER KAUR**

Address of Applicant :DEPARTMENT OF CHEMISTRY,  
S.G.T.B. KHALSA COLLEGE, UNIVERSITY OF DELHI,  
DELHI-110007. India

**2)VIMAL RARH**

**3)GURVINDER SINGH SODHI**

(72)Name of Inventor :

**1)GURVINDER KAUR**

**2)VIMAL RARH**

**3)GURVINDER SING SODHI**

---

(57) Abstract :

The invention relates to a fingerprint developing vapor phase composition for detecting latent fingerprints comprising of iodine and camphor, which chemically interact to form 2-iodocamphor on the fingerprint residue. The composition disclosed in the invention is useful for detecting fingerprints on a variety of absorbent and non-absorbent surfaces. It is also useful for developing fingerprints on ceramic tiles that were earlier heated, along with filter papers. The present invention further provides a fuming method for detecting latent fingerprints on different surfaces.

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2505/DEL/2010 A

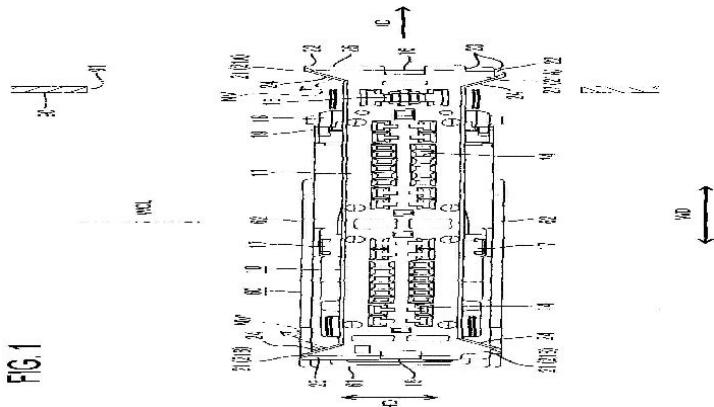
(43) Publication Date : 04/10/2013

(54) Title of the invention : CONNECTOR, SERIES OF CONNECTORS AND METHOD OF ASSEMBLING IT

(51) International classification	:H01R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:JP2009-	<b>1)SUMITOMO WIRING SYSTEMS, LTD.,</b>
	248996	Address of Applicant :1-14, NISHISUEHIRO-CHO,
(32) Priority Date	:29/10/2009	YOKKAICHI, CITY, MIE 510-8503, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)WATARU SHAMOTO</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An object of the present invention is to improve operability in moving a connector. A connector is provided with a housing 10 connectable with a mating housing 40 and projections 21 formed at ends of outer surfaces of the housing 10 with respect to a width direction orthogonal to a connecting direction. A connecting operation of the two housings 10, 40 progresses when the projections 21 are fitted into recesses 46 formed in the mating housing while being prevented when the projections 21 are not fittable into the recesses 46. Surfaces of the projections 21 facing a widthwise center of the housing 10 are inclined surfaces 24 inclined outwardly.



No. of Pages : 36 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2506/DEL/2010 A

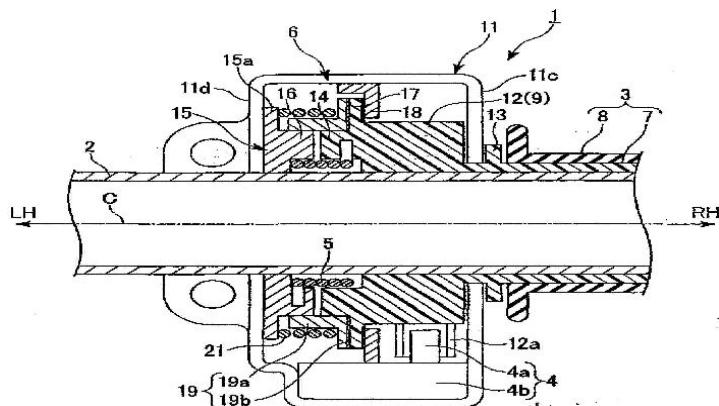
(43) Publication Date : 04/10/2013

(54) Title of the invention : ACCELERATOR OPERATING DEVICE

(51) International classification	:F02D	(71)Name of Applicant :
(31) Priority Document No	:2009-278502	1)HONDA MOTOR CO., LTD.
(32) Priority Date	:08/12/2009	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)MASATOSHI SATO
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To make compact an accelerator operating device, which electrically controls the output of a power unit on the basis of the manipulated variable of a controller, by achieving the generation of a frictional resistance using a simple configuration, and also to make the device easily applicable to various vehicle types. [Solving Means] An accelerator operating device includes: an extended portion 9 turned upon the operation of a throttle grip 3; a torsion coil spring 5 biasing the extended portion 9 in a returning direction while the extended portion 9 is turned; and a friction generating mechanism 6 adding a frictional resistance to turning movement of the extended portion 9. The friction generating mechanism 6 includes a compression coil spring 21 applying a pressing force to the extended portion 9, and a friction member 19 brought into sliding contact with the extended portion 9 by being pressed by the compression coil spring 21. The torsion coil spring 5 and the compression coil spring 21 are placed coaxially with the extended portion 9 and overlap with each other at least partially along the axial direction of the extended portion 9.



No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2574/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : WIRELESS VIDEO TRANSMISSION DEVICE AND WIRELESS VIDEO RECEPTION DEVICE

(51) International classification	:H04N
(31) Priority Document No	:2009-251597
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)HITACHI CONSUMER ELECTRONICS CO., LTD.

Address of Applicant :2-1, OTEMACHI 2-CHOME,  
CHIYODA-KU, TOKYO JAPAN

(72)Name of Inventor :

1)OGI YUYA

2)KABUTO NOBUAKI

(57) Abstract :

A technique is provided for using, in a wireless video transmission device and a plurality of wireless video reception devices which intermittently perform signal reception processing within standby periods, a human body detection unit to accelerate the start-up of the wireless video transmission and reception devices. When the presence of a person is detected by the human body detector, a person detection signal is sent to a wireless video reception device or the transmission device to thereby limit usable communication channel candidates in number. The limited number of usable channel candidates are then used to perform intermittent signal reception, thereby shortening the searching time cycle of such intermittent reception within a standby period, thus lessening the startup time from the standby state between the wireless video transmission and reception devices and also reducing standby power thereof.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.1888/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PRODUCTION OF HYDROGEN BY DECOMPOSING SEA WATER

---

(51) International classification	:C10G	(71) <b>Name of Applicant :</b> <b>1)M. KRISHNA PRASAD</b> Address of Applicant :Flat 3A-111 PLOT NO. 2C VAIBHAV KHAND GC GRAND APPARTMENT INDIRAPURAM GHAZIABAD India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)M. KRISHNA PRASAD</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

The inventor has worked upon creating an alternative fuel with the characteristics of never depleting easily, cost effective and environment friendly, from the resources those are in abundance. Hydrogen is tested and used as a fuel to run stand alone generators as well as transport motors. Scientists across the globe has already developed fuel cell technology which cause hydrogen from hydrated metals and run the motor with very less pollution. The inventor here used sea water and thus undertaken decomposition of water by using low grade heat and some chemical reactions to produce new products. Hydrogen thus generated and used as a fuel in fuel operated machinery do not cause pollution ad thus cost effective and environmental friendly.

No. of Pages : 4 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2448/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD OF CLEANING AND MICRO-ETCHING SEMICONDUCTOR WAFERS

---

(51) International classification

:H01L

(31) Priority Document No

:61/278,942

(32) Priority Date

:14/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A method of simultaneously cleaning inorganic and organic contaminants from semiconductor wafers and micro-etching the semiconductor wafers. After the semiconductor wafers are cut or sliced from ingots, they are contaminated with cutting fluid as well as metal and metal oxides from the saws used in the cutting process. Aqueous alkaline cleaning and micro-etching solutions containing alkaline compounds and mid-range alkoxylates are used to simultaneously clean and micro-etch the semiconductor wafers.

No. of Pages : 21 No. of Claims : 10

(71)Name of Applicant :

**1)ROHM AND HAAS ELECTRONIC MATERIALS LLC**

Address of Applicant :445 FOREST STREET,  
MARLBOROUGH, MASSACHUSETTS 01752, U.S.A.

(72)Name of Inventor :

**1)ROBERT K. BARR**

**2)RAYMOND CHAN**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2511/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR FLUID VALVE LEAK DETECTION

---

(51) International classification

:G01M

(31) Priority Document No

:12/611,228

(32) Priority Date

:03/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

A method detection of leakage through at least one first valve (22) includes admitting an amount of fluid into a first control volume (28) in operable communication with the at least one first valve (22), thereby pressurizing the first control volume (28). The first control volume (28) is isolated and a rate of change of pressure in a second control volume (32) in operable communication with the at least one first valve (22) is measured. A system for detecting leakage across at least one first valve (22) includes a first control volume (28) receptive of an amount of fluid and a second control volume (32) in flow communication with the first control volume (28). At least one first valve (22) is located between the first control volume (28) and the second control volume (32), and a rate of change in pressure in the second control volume (32) indicates a rate of leakage through the at least one first valve (22).

No. of Pages : 13 No. of Claims : 12

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)SZEPEK SCOTT WILLIAM**

**2)JOHN JUSTIN VARKEY**

**3)PECZKA DANIEL JOSEPH**

**4)SWEET BRYAN EDWARD**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2512/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD FOR OPERATING A WIND TURBINE WITH REDUCED BLADE FOULING

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/613,079	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:05/11/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)HAANS WOUTER</b>
Filing Date	:NA	<b>2)NIES JACOB JOHANNES</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wind turbine (10) includes at least one rotor blade (16), an active flow control (AFC) system (100) at least partially defined in the at least one rotor blade, the AFC system configured to modify aerodynamic properties of the at least one rotor blade, a sensor (12) configured to measure an environmental condition surrounding the wind turbine. A wind turbine controller (110) is configured to operate the wind turbine in a first mode, and operate the wind turbine in a second mode different than the first mode depending on the environmental condition, the second mode including adjusting at least one operation parameter of the wind turbine such that fouling of the AFC system is reduced.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2010

(21) Application No.2579/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ROTARY UNION WITH SELECTIVELY CONTROLLED SEAL

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(51) International classification

:F16L

(31) Priority Document No

:12/628,642

(32) Priority Date

:01/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)DEUBLIN COMPANY**

Address of Applicant :2050 NORMAN DRIVE WEST,  
WAUKEGAN, ILLINOIS 60085, U.S.A.

(72)Name of Inventor :

**1)BURRUS, DAVID**

**2)LACROIX, GRAIG AARON**

(57) Abstract :

A rotary union includes a non-rotating machine component having a receiving counterbore, a media channel opening, and a control channel. A housing is positioned within the receiving counterbore and has a bore and a control chamber in fluid communication with the control channel. A non-rotating seal member is slidably and sealingly disposed within the bore in the housing and has a media channel in fluid communication with the media channel opening and the receiving counterbore. The non-rotating seal member can be selectively extended or retracted within the bore of the housing, such that selective engagement of a face seal is accomplished under different operating conditions of the rotary union.

No. of Pages : 30 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.1909/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE AND METHOD FOR PROVIDING A LIQUID PRODUCT TO BE REUSED AND TO BE TREATED

(51) International classification	:H02M 7/5387
(31) Priority Document No	:102010031478.1
(32) Priority Date	:16/07/2010
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)KRONES AG**

Address of Applicant :BOHMERWALDSTR. 5, 93073  
NEUTRAUBLING, GERMANY

(72)**Name of Inventor :**

**1)MHLBAUER, JURGEN**

**2)RECKTENWALD, DIRK**

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(57) Abstract :

A device and a method for providing a liquid product to be treated and reused is described. By means of a by-pass through which untreated product can be fed into a supply pipe on the outlet side while a supply tank is bypassed, it is possible to mix already treated product stored in the supply tank with the untreated product such that the mixed product can be supplied to a treatment again.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.1973/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR REMOVING PARTICULATES FROM A FLUID STREAM

(51) International classification	:F21S	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/838,191	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:16/07/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)LARCOMBE SIMON CHARLES</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method (200) and systems for collecting particulates suspended in a fluid flowing through a duct (102) are provided. The system includes a duct including an inlet (106) opening (134) configured to admit a flow (104) of gas into the duct, during operation the gas including particulate contaminants and moisture and a source (122) of hydrophobizing agent coupled in flow communication with the duct. The system also includes a nozzle configured to channel a flow of the hydrophobizing agent into the flow of gas such that during operation a flow of gas including hydrophobized particulate contaminants and moisture is formed and a filter medium for separating the hydrophobized particles from the flow of gas.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2597/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ROTOR BLADE WITH DRAINAGE BORE HOLE

(51) International classification	:F04D	(71) <b>Name of Applicant :</b>
	:DE 10	<b>1)REPOWER SYSTEMS AG</b>
(31) Priority Document No	2009 046	Address of Applicant :UBERSEERING 10, 22297
	293.7	HAMBURG, GERMANY
(32) Priority Date	:02/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)LENZ SIMON ZELLER</b>
(86) International Application No	:NA	<b>2)URS BENDEL</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for the production of a rotor blade (1) for a wind power plant, wherein the produced rotor blade (1) in its longitudinal extension, which extends from a rotor blade root (2) essentially to a rotor blade tip (3), has at least one area, in which the rotor blade has an aerodynamic blade section (4, 4, 4), which has a leading edge (5) and a trailing edge (6), which are connected via a suction side (7) and a pressure side (8) of the blade section (4, 4, 4), wherein at least a first and at least a second molded part (11, 12) manufactured in the longitudinal direction of the rotor blade (1) are provided for a suction side (7) and a pressure side (8) of the rotor blade (1), which are to be connected with each other in the areas of the leading edge (5) and the trailing edge (6). The invention also relates to a corresponding rotor blade (1) for a wind power plant and a wind power plant with a corresponding rotor blade (1). The invention is characterized in that a surface element (16) in the rotor blade (1) for a wind power plant, which has a drainage bore hole (9) in the area of the rotor blade tip (3), is used to keep the drainage bore hole (9) free of connection means (18, 19).

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2598/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEMS AND METHOD FOR OPERATING AN ACTIVE FLOW CONTROL SYSTEM

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(51) International classification

:F03D

(31) Priority Document No

:12/613,170

(32) Priority Date

:05/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)NIES JACOB JOHANNES**

**2)HAANS WOUTER**

(57) Abstract :

A flow control system (200) for use with a wind turbine (10) is provided. The flow control system including an air distribution system (102,202) at least partially defined within at least one blade (22) of the wind turbine, the air distribution system comprising at least one aperture (108,208) defined through the at least one blade, and a control system (36) in operational control communication with the air distribution system. The control system is configured to operate the flow control system in a first mode, and operate the flow control system in a second mode different than the first mode to facilitate removing debris from the flow control system, the second mode including varying at least one of a velocity, a flow rate, and a direction of a fluid flow of the flow control system.

No. of Pages : 41 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/06/2010

(21) Application No.1326/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CANCER COMBINATION THERAPY COMPRISING MULTI-MOLECULAR TARGETING

(51) International classification	:A61K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :ICGEB CAMPUS, P.O. BOX 10504, ARUNA ASAFA MARG, NEW DELHI-110 067, INDIA
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAO, KANURY V. S. 2)JAIKHANI, NOOR 3)RAVICHANDRAN, SRIKANTH 4)DUGAR, SUNDEEP</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes the identification and inhibition of multiple molecular targets resulting in an additive or synergistic efficacy with respect to cell death when compared with inhibiting either target individually, thereby potentially reducing associated toxicity.

No. of Pages : 16 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1998/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INTELLIGENT CONTROL OF A WATER BOTTLE WASHER

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(51) International classification

:B23B

(31) Priority Document No

:102010031564.8

(32) Priority Date

:20/07/2010

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)KRONES AG**

Address of Applicant :BOHMERWALDSTR. 5 93073  
NEUTRAUBLING GERMANY

(72)Name of Inventor :

**1)PREISS, JOHANNES**

(57) Abstract :

Method of cleaning containers, in particular bottles of glass or plastics, in a cleaning module with a cleaning machine in which in at least one procedure step, at least one cleaning medium is allowed to act on the containers transported through the cleaning machine, and with an inspection unit, comprising the steps of: determining at least one control parameter with respect to the degree of soiling of the cleaned bottles; detecting the degree of soiling of the cleaned bottles; evaluating the detected degree of soiling of the cleaned bottles in view of the at least one control parameter with respect to the degree of soiling and returning bottles evaluated to exhibit an excessive degree of soiling to the inlet of the cleaning machine; automatically controlling the cleaning parameters of the cleaning machine if the number of returned bottles, based on the number of cleaned bottles, exceeds a predetermined target value or target range.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1999/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MAKING AND USING COMPOSITE MATERIAL CONTAINING NANOSPHERES AND DEVICES FOR WATER FILTRATION AND DEVICES CONTAINING SUCH COMPOSITES

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/365,031	<b>1)SABYASACHI, SARKAR</b> Address of Applicant :HOUSE NO. 4/42 (BEHIND ALAHABAD BANK), SUBHASH CHOWK, JAMTARA, JHARKHAND, 815351 INDIA
(32) Priority Date	:16/07/2010	
(33) Name of priority country	:U.S.A.	<b>2)ALLAM, ABDUL</b>
(86) International Application No Filing Date	:NA :NA	<b>3)ALLAM, IFFAT</b>
(87) International Publication No	:NA	<b>4)ALLAM, AFREEN</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>1)SABYASACHI, SARKAR</b> <b>2)ALLAM, ABDUL</b> <b>3)ALLAM, IFFAT</b> <b>4)ALLAM, AFREEN</b>

(57) Abstract :

The present invention relates to the method of producing concentric carbon nanospheres from the pyrolytic combustion of a carbonaceous material such as plant material. The material can be carboxylated and then optionally metallated to produce nanospheres capable of filtering a liquid such as water.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2480/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WATER STORAGE TANK FOR WATER PURIFYING SYSTEM

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(51) International classification	:B65D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:TW 099211089	<b>1)PURICOM WATER INDUSTRIAL CORPORATION</b> Address of Applicant :NO. 5-28 CHENG-FENG LANE, TAIMING RD., WURIH TOWNSHIP, TAICHUNG COUNTY, R.O.C. Taiwan
(32) Priority Date	:10/06/2010	
(33) Name of priority country	:Taiwan	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)YANG, CHUNG-HSIANG</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>2)LEE, LIH-CHING</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

A water storage tank for water purifying system is disclosed. It mainly includes a solid housing and at least one air bag. The solid housing has a liquid storing space for storing liquid. The air bag being positioned in the liquid storing space and the air bag is movable inside. This air bag will expand or shrink depending upon the pressure in the liquid storing space. So, this invention can be modified from an existing storage tank. There is no water leakage problem causing by the membrane of the storage tank. In addition, it is easy to replace the air bag. In addition, the overall cost is extremely low.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2010

(21) Application No.2608/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LAMP

(51) International classification	:H05B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:099131287	<b>1)SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.</b>
(32) Priority Date	:15/09/2010	Address of Applicant :12F-1, NO. 120, CHUNG-CHENG 1ST ROAD, LINGYA DIST., KAOHSIUNG, R.O.C. Taiwan
(33) Name of priority country	:Taiwan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ALEX HORNG</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lamp includes a heat dissipater (1, 1, 1) having a base (11) and an engaging member (12). The base (11) includes a first air guiding portion (111) and a fixing portion (112). The engaging member (12) is mounted to an outer periphery of the base (11). A second air guiding portion (121, 34) is formed between the engaging member (12) and the base (11). A lighting element (2) is mounted to the base (11) of the heat dissipater (1, 1, 1). A housing (3, 3) is engaged with the engaging member (12) of the heat dissipater (1, 1, 1). The housing (3, 3) and the heat dissipater (1, 1, 1) together define a compartment (31) in communication with the first and second air guiding portions (111, 121, 34). A cooling fan (4) is mounted to the fixing portion (112) of the base (11). A circuit board (5) is mounted in the compartment (31) and electrically connected to the lighting element (2) and the cooling fan (4). The circuit board (5) is electrically connected to an electrically conductive member (51) having an end extending out from the housing (3, 3).

No. of Pages : 42 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.1876/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYNTHESIS OF RARE EARTH METAL EXTRACTANT

(51) International classification

:B22C

(31) Priority Document No

:2010-

153175

(32) Priority Date

:05/07/2010

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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2)Nissin Chemical Industry Co. Ltd.

(72)Name of Inventor :

1)Kazuaki SAKAKI

2)Hiroto SUGAHARA

3)Tetsuya OHASHI

4)Tetsuya KUME

5)Masahiko IKKA

6)Hirochika NAGANAWA

7)Kojiro SHIMOJO

(57) Abstract :

A rare earth metal extractant in the form of a dialkyl diglycol amic acid is synthesized by reacting diglycolic anhydride with a dialkylamine in an aprotic polar solvent, with a molar ratio of dialkylamine to diglycolic anhydride being at least 1.0, and removing the aprotic polar solvent.

No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.1877/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYNTHESIS OF RARE EARTH METAL EXTRACTANT

(51) International classification

:C07B

(31) Priority Document No

:2010-

153161

(32) Priority Date

:05/07/2010

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)Hiroto SUGAHARA

3)Tetsuya OHASHI

4)Tetsuya KUME

5)Masahiko IKKA

6)Hirochika NAGANAWA

7)Kojiro SHIMOJO

(57) Abstract :

A rare earth metal extractant in the form of a dialkyl diglycol amic acid is synthesized by reacting diglycolic anhydride with a dialkylamine in a synthesis medium. A molar ration (B/A) of dialkylamine (B) to diglycolic anhydride (A) is at least 1.0. A non-polar or low-polar solvent in which the dialkyl diglycol amic acid is dissolvable is used as the synthesis medium.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/10/2010

(21) Application No.2428/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CIRCUITS AND METHODS FOR CONTROLLING A CURRENT FLOWING THROUGH A BATTERY

(51) International classification	:H02J
(31) Priority Document No	:12/577,633
(32) Priority Date	:12/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

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Address of Applicant :3118 PATRICK HENRY DRIVE  
SANTA CLARA, CALIFORNIA 95054 U.S.A.

(72)Name of Inventor :

1)GUOXING LI

(57) Abstract :

A circuit for controlling a current flowing through a battery includes a driver and a filter coupled to the driver. The driver can generate a pulse signal in a first operating mode and generate a first signal in a second operating mode to control the current through the battery. The filter can filter the pulse signal to provide a filtered DC signal to adjust an on-resistance of a switch in series with the battery based on a duty cycle of the pulse signal in the first operating mode. The filter can receive the first signal and provide a second signal to drive the switch in a linear region in the second operating mode.

No. of Pages : 41 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2616/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ADJUSTABLE TAILGATE SUPPORT

(51) International classification	:B62D
(31) Priority Document No	:102009058503.6
(32) Priority Date	:16/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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STUTTGART, GERMANY

(72)Name of Inventor :

**1)STEFAN ADAMS**

**2)FRANK HAUNSTETTER**

**3)MICHAEL HUBMANN**

(57) Abstract :

An adjustable tailgate support essentially comprises a fixed inner tube, which is connected to a lower housing part and on which is arranged a spiral spring, the spiral spring on the one hand being supported at the lower end on a setting element held on the inner tube and, on the other hand, being held fixed at a remote, upper, free end in the upper housing part. An increase or reduction in the spring force of the spiral spring can be set by turning the setting element, which consists of a supporting ring, on an external thread of the inner tube.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2617/DEL/2010 A

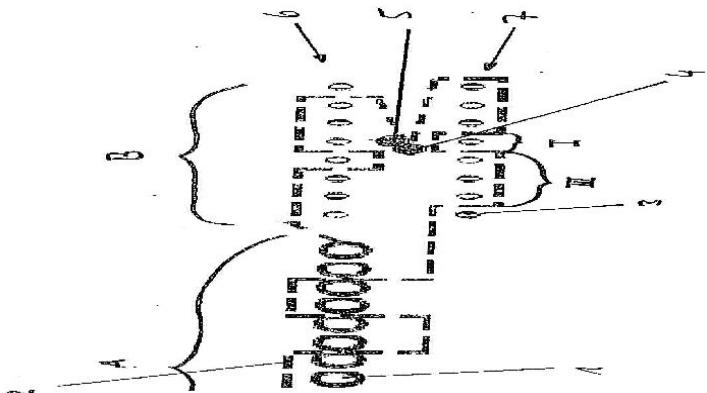
(43) Publication Date : 04/10/2013

(54) Title of the invention : SEAT BELT WEBBING AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:D03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 058 039.5	<b>1)AUTOLIV DEVELOPMENT AB</b> Address of Applicant :WALLENTINSVAGEN 22, 44783 VARGARDA, SWEDEN
(32) Priority Date	:14/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)WILLIBERT WELZ</b> <b>2)CHRIST VAN HELVOORT</b> <b>3)ANITA POOL</b> <b>4)SIMON VALKENBURG</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a seat belt webbing comprising: a plurality of warp threads (1, 3), a weft thread (2) which runs from one edge of the seat belt webbing to the other edge periodically reversing the direction in reversal points and is interwoven with the warp threads (1, 3), wherein the weft thread (2) in the reversal points in an edge portion (B) is folded back forming a loop, and a catch thread (5) which is fed through the loops of the weft thread (2), characterized in that the catch thread (5) is placed between the warp threads (1, 3) and is covered by the weft thread (2) and/or by the warp threads (1, 3) towards the surface of the seat belt webbing. (Fig. 1)



No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2618/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : COOLING DEVICE FOR AN ELECTRIC MACHINE ARRANGEMENT

(51) International classification	:F25D
(31) Priority Document No	:102009051881.9
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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STUTTGART, GERMANY

(72)Name of Inventor :

**1)STEPHAN HENNINGS**

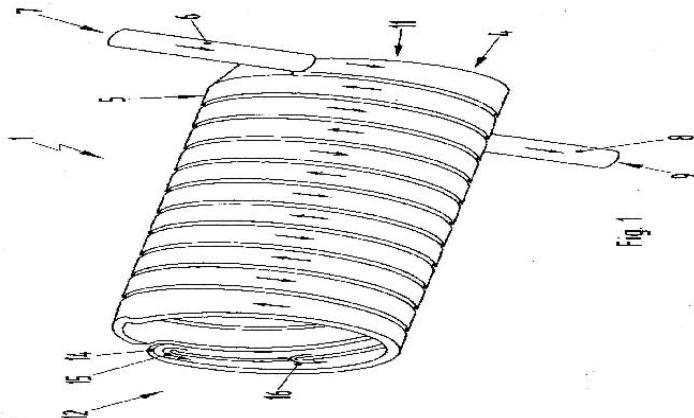
**2)JONAS HOHENSTEIN**

**3)JOCHEN SCHMID**

**4)CHRISTIAN WENDL**

(57) Abstract :

The invention relates to a cooling device for an electric machine arrangement which comprises at least one electric machine which is surrounded on its outer circumferential face by the cooling device (1) and which comprises two openings (7,9) which permit the entry and the exiting of a stream of cooling medium which flows through the cooling device (1) for the purpose of cooling. In order to improve the cooling of an electric machine arrangement using the cooling device, in particular with regard to the temperature distribution, the cooling device (1) comprises cooling ducts which run around the electric machine arrangement in the shape of a helix, the two openings (7,9), which permit the entry and exit of the stream of cooling medium, being arranged at one end (11) of the cooling device (1). (Figure 1)



No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.2001/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL PLANT TERMINATOR SEQUENCES

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(51) International classification	:A01J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)E.I. DU PONT DE NEMOURS AND COMPANY**

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WILMINGTON, DELAWARE 19898, U.S.A.

(72)Name of Inventor :

**1)NOTT, AJIT**

**2)BHYRI, PRIYANKA**

**3)NARAYANAN, ESWAR**

**4)KRISHNAMURTHY, NANDINI**

**5)SARANGI, RINKU RANJAN**

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(57) Abstract :

This invention relates to gene expression regulatory sequences, specifically transcription terminator sequences. Plant transcription terminator sequences are described herein. Methods for identifying novel plant transcription terminator sequences that can terminate transcription in one orientation or in a bidirectional manner and methods of using these terminator sequences to generate transgenic plants are described herein.

No. of Pages : 95 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2010

(21) Application No.2244/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMPROVED COAXIAL MICRO PHACOEMULSIFICATION

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(51) International classification	:A61K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DR. PRAVEEN KUMAR MALIK**

Address of Applicant :207, BANK ENCLAVE, LAXMI NAGAR, NEW DELHI 110092, INDIA

**2)DR. TARU DEWAN**

(72)Name of Inventor :

**1)DR. PRAVEEN KUMAR MALIK**

**2)DR. TARU DEWAN**

(57) Abstract :

The present application provides a new parameter to phacoemulsification by using 1% ultrasound under high vacuum pressure. All grades of nuclei are smoothly emulsified using direct chop and stop & chop techniques in no time with pristine postoperative corneas. This technique helps in achieving intracamerale energy delivery close to nil along with the comfort of coaxial micro phacoemulsification. The modality of ultrasound delivery may include burst mode followed by pulse and micropulse and vacuum pressure is around 333 mm Hg.

No. of Pages : 5 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2573/DEL/2010 A

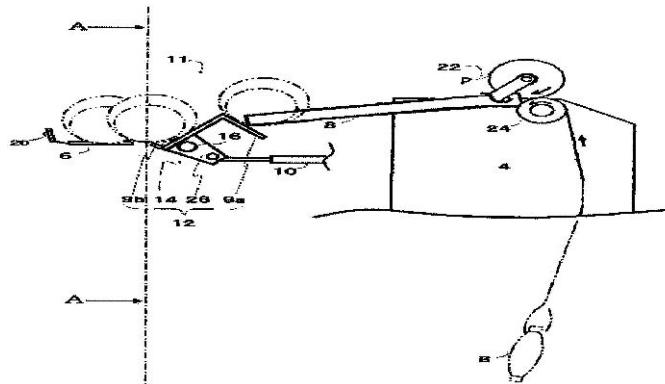
(43) Publication Date : 04/10/2013

(54) Title of the invention : WINDING MACHINE

(51) International classification	:B65H	(71)Name of Applicant :
(31) Priority Document No	:2009-261097	<b>1)MURATA MACHINERY, LTD</b>
(32) Priority Date	:16/11/2009	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)HIDAKA ICHIRO</b> <b>2)INOUE TAKUYA</b> <b>3)NISHINA YUJI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A winding machine 2 of the present invention includes a plurality of winding units 4, a conveyer 6 that carries a package P released from the winding units 4 in a direction in which the winding units 4 are arranged next to one another, a slope 8 which is arranged such that the package P rolls down from the winding units 4 to the conveyer 6, and a package receiving member 20 which is arranged along a conveying direction of the conveyer 6 and receives the package P rolling down the slope 8. Further, the winding machine 2 of the present invention includes a plurality of blocking portions 9a and 9b which are arranged along the slope 8 and block rolling motion of the package P during the rolling motion of the package P from the each of the winding units 4 to the conveyer 6, a switching mechanism 10 which switches the plurality of blocking portions 9a and 9b to a state in which rolling motion of the package P is blocked or a state in which rolling motion of the package P is allowed, and a control section which controls the operation of the switching mechanism 10 such that the plurality of blocking portions 9a and 9b block the rolling motion of the package P a plurality of times



No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2632/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CONVERGING-DIVERGING COMBUSTION ZONES FOR FURNACE HEAT EXCHANGES

(51) International classification	:F24C
(31) Priority Document No	:61/295,501
(32) Priority Date	:15/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)LENNOX INDUSTRIES INC.**

Address of Applicant :2100 LAKE PARK BOULEVARD,  
RICHARDSON, TEXAS 75080, U.S.A.

(72)**Name of Inventor :**

**1)FLOYD E. CHERINGTON**

**2)SHAILESH S. MANOHAR**

**3)HANS J. PALLER**

**4)JOHN W. WHITESITT**

(57) Abstract :

A furnace unit that comprises a burner assembly having at least one burner located therein and a heat exchanger having at least one continuous combustion tube. One end of the combustion tube has a first opening that is coupled to the burner assembly. The combustion tube has at least three zones. A first surface of the first zone has a first non-straight angle with a second surface of the second zone. The second surface has a second non-straight angle with a third surface of the third zone. The first zone is nearest of the three zones to the burner assembly and the second zone is in-between the first zone and the third zone. The first, second and third zones are within a flame length configured to be emitted from the burner.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2633/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS FOR RESETTING STALLED PUMPS IN ELECTRONICALY CONTROLLED DISPENSING SYSTEMS

(51) International classification	:B67C
(31) Priority Document No	:12/616,798
(32) Priority Date	:12/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)GOJO INDUSTRIES, INC.**

Address of Applicant :ONE GOJO PLAZA, SUITE 500,  
AKRON, OHIO 44311, U.S.A.

(72)**Name of Inventor :**

**1)JACKSON W. WEGELIN**

**2)ROBERT L. QUINLAN, JR.**

(57) Abstract :

Various methods are disclosed for resetting a stalled pump in a fluid dispensing system. In one embodiment, it is determined whether a refill container is received in the dispensing system and then a pump actuator is moved to a loading position when the refill container is removed. Another method sets a run timer, starts a pump actuator, determines whether the pump actuator is still dispensing fluid from the fluid dispensing system upon lapsing of the run timer and then moves the pump actuator if the pump actuator is still dispensing upon the expiration of the run timer. And another method detects opening of a cover, energizes a motor to move an actuator to a loading position, determines when the actuator is at the loading position and then turns the motor off.

No. of Pages : 21 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.1832/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR MEASURING DESTRUCTION RATE OF REFRIGERANT

(51) International classification	:B62B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2011-0028422	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-GU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:29/03/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Republic of Korea	<b>1)JUNG DAE SUNG</b> <b>2)LEE JUN YOUNG</b> <b>3)CHO JONG RAE</b> <b>4)KIM HAN SEOK</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method for calculating a destruction rate of refrigerant by establishing a calibration line using standard refrigerant gases and measuring the amount of refrigerant remaining in exhaust gas discharged after destruction of waste refrigerant. For this purpose, the present invention provides a method for calculating a destruction rate of refrigerant, the method including: establishing a calibration line using standard refrigerant gas samples whose concentrations are known; sampling exhaust gas finally discharged after decomposition of waste refrigerant; measuring the concentration of refrigerant remaining in the sampled exhaust gas; and calculating the amount of undestroyed refrigerant using the concentration of refrigerant remaining in the exhaust gas, the amount of exhaust gas discharged, and the known density of refrigerant.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2513/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACTIVE FLOW CONTROL SYSTEM FOR WIND TURBINE

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(51) International classification

:F03D

(31) Priority Document No

:12/613,157

(32) Priority Date

:05/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)NIES JACOB JOHANNES**

**2)HAANS WOUTER**

(57) Abstract :

An active flow control (AFC) system (100) for use with a wind turbine (10) is provided. The wind turbine including at least one rotor blade (12) having at least one manifold (104) extending at least partially therethrough and at least one aperture (106) defined through a surface of the at least one rotor blade, the at least one aperture in flow communication with the at least one manifold. The AFC system includes an air intake duct (114) configured to draw ambient air into the wind turbine, a self-cleaning air filter (102) coupled in flow communication with the air intake duct and configured to filter the ambient air, and an AFC distribution system (120) configured to eject the filtered air through the at least one aperture.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2010

(21) Application No.2580/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LINKAGE METHOD OF VIDEO APPARATUS, VIDEO APPARATUS AND VIDEO SYSTEM

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(51) International classification	:H04N
(31) Priority Document No	:2010-050036
(32) Priority Date	:08/04/2010
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

1)HITACHI CONSUMER ELECTRONICS CO., LTD.  
Address of Applicant :2-1, OTEMACHI 2-CHOME,  
CHIYODA-KU, TOKYO JAPAN

(72)Name of Inventor :

1)KABUTO NOBUAKI  
2)TSURUGA SADAO

---

(57) Abstract :

A video apparatus includes a first and second video output devices and a video display device, the first video output device transmits information regarding a CC or closed caption display condition to the second output device through a CEC communication unit when switching over from the first output device to the second output device, in consequence, the second video output device can continue to display the CC or closed caption display condition, therefore, it is not required to set the CC or closed caption display once again by a user when switching over the video output device to another.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2637/DEL/2010 A

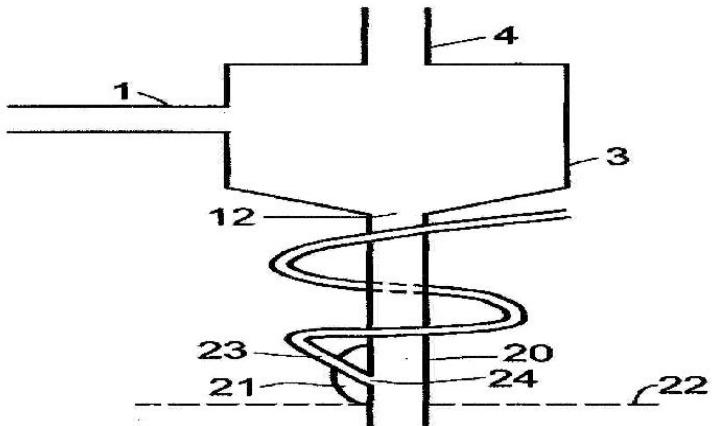
(43) Publication Date : 04/10/2013

(54) Title of the invention : FLUID CATALYTIC CRACKING PROCESS

(51) International classification	:C10B	(71)Name of Applicant :
(31) Priority Document No	:09176934.9	<b>1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.</b>
(32) Priority Date	:24/11/2009	Address of Applicant :CAREL VAN BYLANDT LAAN 30, 2596 HR THE HAGUE THE NETHERLANDS. Netherlands
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)BROSTEN DAVID JON 2)HORWEGE JASON ANDREW 3)SANBORN RICHARD ADDISON</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Fluid-solids separator for separating solid catalyst particles from fluid catalytic cracking reaction product which separator comprises a cyclone (3) having a gas outlet (4) and a solids outlet (12) which solids outlet (12) is in fluid communication with a dipleg (20) comprising a fluid inlet (24) which fluid inlet (24) is in fluid communication with a fluid conduit (23) of which the end connected to the fluid inlet (24) is embedded in a refractory oxide support (21), a fluid catalytic cracking process using this separator and a process for the manufacture of this separator.



No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2638/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TRUE ECG MEASUREMENT DURING CARDIO PULMONARY RESUSCITATION BY ADAPTIVE PIECEWISE STITCHING ALGORITHM

(51) International classification	:A61B
(31) Priority Document No	:12/611,679
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

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BOTHELL, WASHINGTON 98021, U.S.A.

(72)Name of Inventor :

**1)SRIKANTH THIAGARAJAN**

**2)PRABODH MATHUR**

(57) Abstract :

A method and apparatus utilizing a piecewise stitching adaptive algorithm (PSAA) to filter signal artifacts, such as those induced by cardiopulmonary resuscitation (CPR) from sensed signals in real-time. PSAA is a method of estimating artifact component present in a first signal that is highly correlated with a second signal. The PSAA may utilize autocorrelation and cross-correlation calculations to determine signal sample windows in the first and second signals. The PSAA may estimate a signal artifact in a primary signal segment based on the determined correlations between the primary signal and an artifact signal. The PSAA may remove the estimated signal artifact from the primary signal. In the absence of an artifact signal, PSAA is able to estimate artifacts in the first signal utilizing filters. The PSAA may be implemented in Automated External Defibrillators, Monitor Defibrillators or other devices capable sensing highly correlated signals such as, for example, ECG and CPR signals.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2462/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYSTEMS AND METHODS FOR DETERMINING THE ANGULAR POSITION OF A WIND TURBINE ROTOR

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/608,343	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:29/10/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)MELIUS JEFFREY ALAN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Certain embodiments of the invention may include systems and methods for determining an angular position of a wind turbine rotor 102. According to an example embodiment of the invention, the method for determining an angular position of a wind turbine may include measuring tangential acceleration (At) 114 and radial acceleration (Ar) 112 of the rotor 102, measuring speed of the rotor 102, determining rotational tangential acceleration (cAt) 120 of the rotor 102 based at least in part on the change of rotor 102 speed over time, determining rotational radial acceleration (cAr) 110 based at least in part on the rotor 102 speed, adjusting the measured tangential acceleration (At) 114 based at least in part on the determined rotational tangential acceleration (cAt) 120, adjusting the measured radial acceleration (Ar) 112 based at least in part on the determined rotational radial acceleration (cAr) 110, and determining an angular position of the rotor 102 based at least on the adjusted tangential acceleration (aAt) and the adjusted radial acceleration (aAr).

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.2646/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A CONDENSATION MANAGEMENT SYSTEM, A FURNACE INCLUDING THE SAME AND A CONDENSATION COLLECTION BOX

(51) International classification	:F24F
(31) Priority Document No	:61/295,501
(32) Priority Date	:15/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)LENNOX INDUSTRIES INC.**

Address of Applicant :2100 LAKE PARK BLVD.,  
RICHARDSON, TEXAS 75080, U.S.A.

**(72)Name of Inventor :**

**1)JEFF P. GEDCKE**

**2)GEORGE L. JOYNER JR.**

**3)GLENN W. KOWALD**

**4)HANS J. PALLER**

---

**(57) Abstract :**

A condensation management system, a furnace having the condensation management system and a cold end header box employable in the condensation management system are disclosed herein. In one embodiment, the condensation management system includes: (1) a first drain hose positioned to drain flue condensation from a flue pipe of the furnace, (2) a second drain hose positioned to drain the flue condensation from the flue pipe and (3) a condensation collector box configured to collect both the flue condensation and combustion condensation from a heat exchanger of the furnace, the condensation collector box including at least one drain for draining both the flue condensation and the combustion condensation therefrom.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.2647/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A HEADER BOX FOR A FURNACE, A FURNACE INCLUDING THE HEADER BOX AND A METHOD OF CONSTRUCTING A FURNACE

(51) International classification	:F24H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/295,501	<b>1)LENNOX INDUSTRIES INC.</b>
(32) Priority Date	:15/01/2010	Address of Applicant :2100 LAKE PARK BOULEVARD, RICHARDSON, TEXAS 75080, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)GLENN W. KOWALD</b> <b>2)HANS J. PALLER</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A CEHB, a furnace and a method of constructing a furnace are disclosed. In one embodiment, the CEHB includes: (1) a fixed orifice configured to regulate air flow through a heat exchanger of the furnace, wherein a combustion air inducer induces the air flow and (2) a negative pressure channel including a negative channel supply port that communicates with an inlet of the combustion air inducer, a negative pressure port configured to connect to a negative input port of a pressure switch and bleed ports configured to reduce a pressure received through the negative channel supply port at the inlet to a targeted range at the negative pressure port, the pressure switch configured to monitor a combustion pressure through the heat exchanger.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.2648/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A FURNACE HEADER BOX HAVING BLOCKED CONDENSATION PROTECTION, A FURNACE INCLUDING THE HEADER BOX AND A BLOCKED CONDENSATION PROTECTION SYSTEM

(51) International classification	:F28D
(31) Priority Document No	:61/295,501
(32) Priority Date	:15/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)LENNOX INDUSTRIES INC.**

Address of Applicant :2100 LAKE PARK BLVD.,  
RICHARDSON, TEXAS 75080, U.S.A.

(72)**Name of Inventor :**

**1)GLENN W. KOWALD**

**2)HANS J. PALLER**

(57) Abstract :

A header box, a furnace and a blocked condensation protection system are disclosed herein. In one embodiment, the header box includes: (1) a first channel having a first channel supply port positioned to be in fluid communication with an inlet of a combustion air blower and a first pressure port couplable to a first input of a pressure sensing device, the combustion air blower and the pressure sensing device associated with the cold end header box and (2) a second channel having a second channel supply port positioned to be in fluid communication with the inlet of the combustion air blower, a second pressure port couplable to a second input of the pressure sensing device and a pressure reference inlet, the second channel in fluid communication with the first channel and configured to have about a same pressure as the first channel when the pressure reference inlet is blocked.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.1893/DEL/2011 A

(43) Publication Date : 04/10/2013

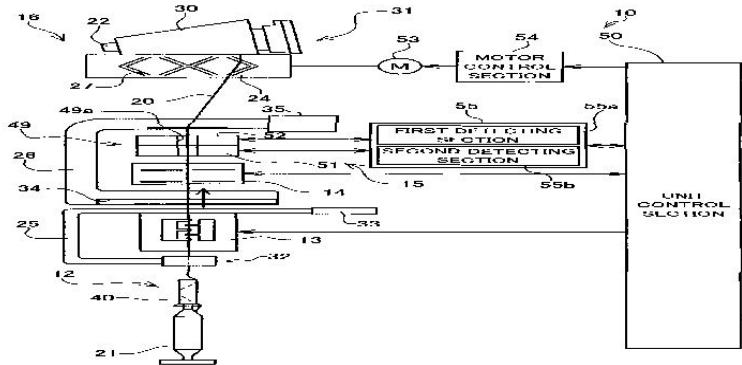
(54) Title of the invention : TEXTILE MATERIAL MEASURING DEVICE AND YARN WINDING MACHINE

(51) International classification	:D01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-16603	<b>1)MURATA MACHINERY, LTD.</b>
(32) Priority Date	:23/07/2010	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSSHON, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)NAKADE KAZUHIKO</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A clearer includes a first light source section a second light source section, a first light receiving section, a second light receiving section, a first detecting section, and a second detecting section . The first light source section irradiates yellow light to a spun yarn. The second light source section irradiates blue light to the spun yarn, the blue light being complementary color of yellow. The first light receiving section receives reflected light, the reflected light being the light from the first light source section reflected by the spun yarn. The second light receiving section receives reflected light and transmitted light, the reflected light being the light from the second light source section reflected by the spun yarn, the transmitted light being the light from the second light source section that has been transmitted through the spun yarn. The first detecting section detects a foreign particle in the spun yarn in accordance with the reflected light received by the first light receiving section and the second light receiving section. The second detecting section detects thickness of the spun yarn in accordance with the transmitted light received by the second light receiving section. Most Illustrative Drawing: FIG. 2

FIG. 2



No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.1894/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING FEEDBACK TO A CALLER IN RESPONSE TO THE MODULATION OF AN INCOMING VOICE COMMUNICATION

(51) International classification	:B62C
(31) Priority Document No	:10168586.5
(32) Priority Date	:06/07/2010
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RESEARCH IN MOTION LIMITED**

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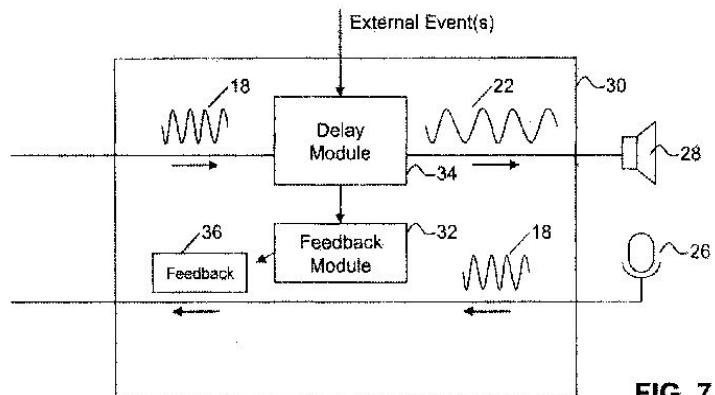
(72)Name of Inventor :

**1)PASQUERO JEROME**

**2)GRIFFIN JASON TYLER**

(57) Abstract :

In order to facilitate the modulation of speech delivery to a participant that is driving or otherwise performing a parallel task, a feedback mechanism is incorporated in order to inform the remote participant of the progress of the delivery of his/her speech at their end of the conversation. In this way, the remote participant is both aware of the modulation occurring at the other end and can adjust their speech to adapt to the current conditions, using the feedback as a guide.



**FIG. 7**

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/02/2011

(21) Application No.1958/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PLANT-DERIVED BIODEGRADABLE MATERIAL AND METHOD OF PREPARING THE SAME

(51) International classification	:C07G
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Shanya Hans

Address of Applicant :C-19 Sector 47 Noida 201 304 Uttar Pradesh India

(72)Name of Inventor :

1)Shanya Hans

(57) Abstract :

The present invention discloses a biodegradable material, obtained from a plant, which can be used as a packaging material. Said biodegradable material is transparent, smooth with plastic (polythene) like appearance, heat resistant, freeze resistant, moisture proof, protects against dust/dirt/bugs and molds and does not deteriorate under environmental conditions. The present invention also discloses process for preparing said biodegradable material.

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2585/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CARTRIDGE BOTTOM BRACKET FOR BICYCLE

(51) International classification	:B62K
(31) Priority Document No	:TO2009A000885
(32) Priority Date	:17/11/2009
(33) Name of priority country	:Italy
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AKTIEBOLAGET SKF**

Address of Applicant :415 50 GOTEBORG, SWEDEN

(72)Name of Inventor :

**1)ROBERTO MOLA**

**2)GIANPIERO SCALTRITI**

**3)RICCARDO RESTIVO**

**4)ALESSANDRO SANSONE**

(57) Abstract :

Cartridge bottom bracket (1) for bicycle, the bottom bracket (1) being such that it can be placed in a seat (2) in a bicycle frame (3) and being provided with a spindle (4) having two opposite free ends (5), each covered by a shaped cap (20), and with a sealed cartridge (6) positioned approximately centrally along the length of the spindle (4) so as to leave the two free ends (5) with their respective caps (20) exposed; the cartridge (6) being formed by two sealed rolling-contact bearings (9) mounted along the spindle (4), and by an internal distance piece (10) and a pipe (11), both interposed between the two rolling-contact bearings (9) so as to define the distance between the bearings

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.2649/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LATCH ARRANGEMENT

(51) International classification	:E05B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0919770.8	<b>1)MERITOR TECHNOLOGY, INC.</b>
(32) Priority Date	:12/11/2009	Address of Applicant :2135 WEST MAPLE ROAD, TROY
(33) Name of priority country	:U.K.	48084 MICHIGAN, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NIGEL SPURR</b>
(87) International Publication No	:NA	<b>2)ROBERT TOLLEY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ALISTAIR FACEY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A latch system including a latch having a rest position where a resilient means biases an element in a first direction into an element first position, the latch having an actuated unlatched position wherein said latch is released and wherein said resilient means biases said element in a second direction and movement of said element in said second direction is prevented by a movable abutment positioned in a movable abutment first position, the latch having an actuated locked position wherein said bias means biases said element in said second direction to move said element to an element locked position, said movable abutment being positioned in a movable abutment second position to allow said element to move to said locked position.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2471/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : THERMOS WITH TWO CHAMBERS

(51) International classification	:B65D	(71) <b>Name of Applicant :</b> <b>1)ARZUM ELEKTRIKLI EV ALETLERİ SANAYİ VE TICARET ANONIM SIRKETİ.</b>
(31) Priority Document No	:2009/07966	Address of Applicant :OTAKCILAR CADDESI NO: 78, KAT: 1 B BLOK NO: B1B EYUP - ISTANBUL, TURKEY
(32) Priority Date	:21/10/2009	
(33) Name of priority country	:Turkey	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)TALIP MURAT KOLBASI</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The purpose of the thermos, the subject of the invention, is to hold two different, liquids, which are needed to hold their temperatures, without mixing them in separate parts by developing a usage system which the existing thermoses dont have. Another purpose is to pour the liquids without mixing them when they are needed to be poured. Said product is designed as a modular set which consists of thermoses with different volumes. Because main cap system is adaptable to main bodies with different sized, thermoses with different volumes can be formed.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2472/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METAL ALLOY CATALYST COMPOSITION

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(51) International classification

:C07C

(31) Priority Document No

:61/281,975

(32) Priority Date

:25/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ROHM AND HAAS COMPANY**

Address of Applicant :100 INDEPENDENCE MALL WEST,  
PHILADELPHIA, PENNSYLVANIA, 19106-2399, U.S.A.

(72)Name of Inventor :

**1)JOSE ANTONIO TREJO**

**2)ERIC LANGENMAYR**

(57) Abstract :

This invention relates to the preparation of metal alloy-doped heterogeneous catalysts and their method of use. In particular the present invention relates to the method of manufacture and use of cost-effective metal alloy-doped ion exchange resin catalysts which provide for comparable yield and selectivity compared to the catalysts previously used.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2010

(21) Application No.2473/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SONIC SOOT BLOWER WITH FLOATING DIAPHRAGM

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(51) International classification	:G10K
(31) Priority Document No	:201010266717.2
(32) Priority Date	:30/08/2010
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)K.M. TAM INTERNATIONAL LTD.**

Address of Applicant :FLAT/RM B1, 2/F., HILLER COMMERCIAL BUILDING, 89-91 WING LOK STREET, HONG KONG, CHINA

(72)Name of Inventor :

**1)TAM KWONG MAN EMILLIO TERRY**

(57) Abstract :

The present invention relates to a sonic soot blower, comprising a sound wave generator and a sound wave transmission path, wherein the sound wave generator comprises a U-shaped diaphragm housing, an annular diaphragm seat, a diaphragm and a cover, the sound wave transmission path comprises a sound output stub and a horn mouth threaded jointed with each other, wherein the U-shaped diaphragm housing has a bottom and two vertical straight side walls, on the wall there is a gas inlet hole, and at the bottom there is a central through hole connecting to the sound wave transmission path; the annular diaphragm seat is concentrically tightened onto the internal bottom of the diaphragm housing, on the diaphragm seat the diaphragm freely sits; the cover is tightened on top surface of the diaphragm housing by tightening members and has a raised annular spigot pressing on the diaphragm rim, with a diameter matching the inside diameter of the diaphragm housing; when compressed gas is fed into the diaphragm housing via the gas inlet hole from a solenoid valve, the diaphragm freely floats on the diaphragm seat and repeatedly buckles and resumes to produce sound waves which exit from the sound wave transmission path. The sonic soot blower with a floating diaphragm is not easily prone to pre-mature failures, its structure is simple with low noise level, all components are easy to be removed for repair or replacement, and it has high applicability.

No. of Pages : 17 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2658/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : TAMPER OF A SCREED OF A ROAD FINISHING MACHINE

(51) International classification	:E01C
(31) Priority Document No	:09014515.2
(32) Priority Date	:20/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)JOSEPH VOGELE AG**

Address of Applicant :JOSEPH-VOGELE-STRASSE 1,  
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(72)Name of Inventor :

**1)MARTIN BUSCHMANN**

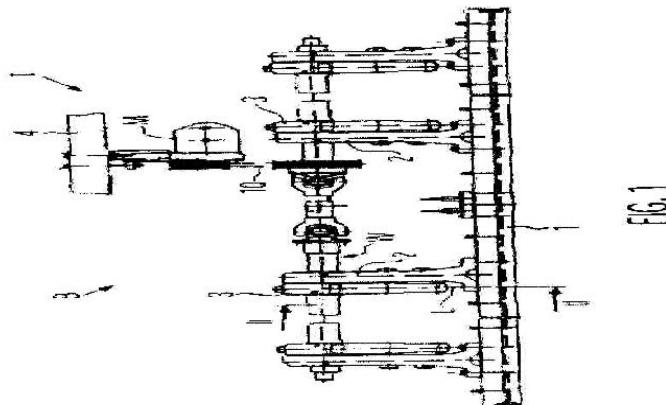
**2)ROMAN MUNZ**

**3)RALF WEISER**

**4)KLAUS BERTZ**

(57) Abstract :

In a tamper (T) of a screed (B) having an eccentric shaft (W) comprising an eccentric section (12) and an eccentric bushing (13) arranged thereon which is rotatably mounted in a connecting rod (2) driving a tamper bar (1), the stroke of the tamper bar (1) is adjustable by a relative rotation between the eccentric shaft (W) and the eccentric bushing (13), and a tappet (E) and a preselection area (18, 18) with two tappet stop positions (P1, P2) defining two different tamper bar strokes are functionally provided between the eccentric shaft (W) and the eccentric bushing (13), so that the tappet (E) can be adjusted without tools to each tappet stop position (P1, P2) by a reversal of the sense of rotation (21) of the eccentric shaft (W) to switch between the two strokes.



No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1991/DEL/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR CO<sub>2</sub> CAPTURE

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(51) International classification

:C07D

(31) Priority Document No

:12/847,954

(32) Priority Date

:30/07/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)KULKARNI PARAG PRAKASH**

**2)HOFER DOUGLAS CARL**

**3)JOSHI NARENDRA DIGAMBER**

---

(57) Abstract :

The present disclosure relates to the separation of CO<sub>2</sub> (12) from a gas mixture (16). The CO<sub>2</sub> (12) may be removed by cooling the gas mixture (16) such that the CO<sub>2</sub> (12) can be removed as a solid or liquid. In various embodiments the gas mixture (16) from which the CO<sub>2</sub> (12) is removed may include exhaust gases generated as part of a combustion process, such as may be employed in a power generation process, though the gas mixture (16) may be any gas mixture (16) that includes CO<sub>2</sub> (12).

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2010

(21) Application No.2610/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CONVEYOR DIAGNOSTIC DEVICE AND CONVEYOR DIAGNOSTIC SYSTEM

---

(51) International classification	:G01C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-253493	<b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN
(32) Priority Date	:04/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KIMITO IDEMORI</b> <b>2)TAKAHIRO SHIROTA</b> <b>3)HIROYUKI KOBAYASHI</b> <b>4)KATSUHIRO SUMI</b> <b>5)TOMOHIKO TANIMOTO</b> <b>6)NOBUTAKA NISHIMURA</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

According to one embodiment, a conveyor diagnostic device diagnoses an abnormal state of a cyclically moving conveyor. The conveyor diagnostic device includes a first tilt sensor, a second tilt sensor, a table, and a processing unit. The first and second tilt sensors are attached to a predetermined position of the conveyor and detect tilt angles of the conveyor in a vertical direction and horizontal direction, respectively. The table indicates a relationship between a tilt angle which changes in the vertical direction and sections included in one revolution of the conveyor. The processing unit specifies an abnormality occurrence position of the conveyor based on a tilt angle in the vertical direction, the table, and an elapsed time after ingress for a section corresponding to the tilt angle in the vertical direction, when a tilt angle in the horizontal direction exceeds a predetermined management limit value.

No. of Pages : 60 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2010

(21) Application No.2611/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : RECORDING DEVICE AND RECORDING MEDIUM SUPPLY MECHANISM FOR A RECORDING DEVICE

(51) International classification	:B41J
(31) Priority Document No	:2009-269398
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)SEIKO EPSON CORPORATION

Address of Applicant :4-1, NISHISHINJUKU 2-CHOME,  
SHINJUKU-KU, TOKYO 163-0811, JAPAN

(72)Name of Inventor :

1)KUMAZAKI, MASAYUKI

(57) Abstract :

A recording device and a recording medium supply mechanism for a recording device can reverse the transportation mechanism and rewind and take up the recording medium when a recording medium that is wound in a roll is conveyed by the transportation mechanism for use. A roll paper holder supplies roll paper to a printer assembly. The roll paper holder supports the roll paper on a support shaft, and has a roll paper take-up knob affixed to an end of the support shaft for manually taking up the roll paper. The roll paper take-up knob is disposed on the opposite side of the recording device as the side on which is disposed a paper feed knob that manually reverses the transportation mechanism that conveys the roll paper in the printer assembly, or a display and operating unit for automatically reversing the transportation mechanism.

No. of Pages : 44 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2670/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CLAMSHELL HEAT EXCHANGER

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(51) International classification

:F28F

(31) Priority Document No

:61/295,501

(32) Priority Date

:15/01/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)LENNOX INDUSTRIES INC.**

Address of Applicant :2100 LAKE PARK BLVD.,  
RICHARDSON, TEXAS 75080, U.S.A.

(72)Name of Inventor :

**1)SHAILESH S. MANOHAR**

**2)GLENN W. KOWALD**

**3)FLOYD E. CHERINGTON**

**4)HANS J. PALLER**

**5)JOHN W. WHITESITT**

---

(57) Abstract :

A clamshell heat exchanger includes a first clamshell half and a second clamshell half. When joined, the first and second clamshell halves form a passageway having an inlet and an outlet. The passageway has a height and a depth. A ratio of the height to the depth is about 0.5 or less. The heat exchanger has an efficiency of at least about 70%.

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2671/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : REFLARE TOOL AND PROCESS

(51) International classification	:B21D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/295,501	<b>1)LENNOX INDUSTRIES INC.</b>
(32) Priority Date	:15/01/2010	Address of Applicant :2100 LAKE PARK BLVD.,
(33) Name of priority country	:U.S.A.	RICHARDSON, TEXAS 75080, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DONALD N. ZIMMER</b>
(87) International Publication No	:NA	<b>2)RANDY D. SMITH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ROGER W. VREELAND</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A flaring body has first and second opposing ends. A perimeter surface intersects the first end, and a flaring surface is located between the perimeter surface and the second end. The perimeter surface has a first cross-sectional profile with a first area, and the flaring surface having a second cross-sectional profile with a second area less than the first area. The perimeter surface and the flaring surface are joined by an inside, rounded corner. A crimping body has a top surface and an opposing bottom surface, and an interior surface that forms defines a passageway that connects said top and bottom surfaces. The interior surface has a third cross-sectional profile with a third area larger than the first area. The flaring body is slidably captureable in the passageway. The interior surface further has a crimping channel that extends along at least a portion thereof and terminates at the bottom surface.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2566/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VEHICULAR METER UNIT

(51) International classification	:G01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-281586	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:11/12/2009	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)YOSUKE TSUCHIYA</b> <b>2)TEPPEI MATSUZAKI</b> <b>3)MASATERU HINAGO</b> <b>4)AKIHIKO NISHIMOTO</b> <b>5)KEIGO DEWA</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To provide a vehicular meter unit in which the visibility of meter indication is secured while the design of a meter panel is improved and also the area of a decorative panel is increased. [Solving Means] A meter unit 70 which is placed to face the driver and includes a speedometer 73 and a key cylinder hole 101, comprises a decorative panel 100 formed so that a speedometer surrounding portion 103 surrounding the speedometer 73 is joined to a key cylinder hole surrounding portion 102 surrounding the key cylinder hole 101. The decorative panel 100 is mounted to a front side of the meter unit 70. The decorative panel 100 has a highly-reflective surface obtained through plating or the like. A smooth design surface 102a formed in a portion joining the speedometer surrounding portion 103 to the key cylinder hole surrounding portion 102 is formed of a curved surface convex toward the driver. In a front view of the meter unit 70, the design surface 102a of the decorative panel 100 is provided at a center in a vehicle width direction, below the speedometer 73 but above the key cylinder hole 101. The curved surface of the design surface 102a is an arched surface arched in the vehicle width direction.

No. of Pages : 38 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2567/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LOW FRICTION EDGE ROLL TO MINIMIZE FORCE CYCLING

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(51) International classification

:B41J

(31) Priority Document No

:12/608,036

(32) Priority Date

:29/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING,  
NEW YORK 14831, U.S.A.

(72)Name of Inventor :

**1)JAMES G. ANDERSON  
2)L. KIRK KLINGENSMITH  
3)JAMES P. PERIS  
4)DAVID J. ULRICH**

(57) Abstract :

An apparatus (10) for drawing a glass ribbon (20) including a shroud (22) surrounding the glass ribbon (20) and an edge roll that penetrates the shroud (22) to contact the glass ribbon (20). The apparatus (10), includes regulating a pressure within a seal assembly (76) to be equal to or less than a pressure within the shroud (22) and prevent ingress of relatively cooler outside gas into the hot interior of the shroud (22). The edge roll utilizes an air bearing to minimize friction that can produce periodic fluctuation of the ribbon as the edge roll is displaced in response to variations in the ribbon thickness or equipment dimensions.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2672/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FURNACE BURNER BOX

(51) International classification	:F24H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/295,501	<b>1)LENNOX INDUSTRIES INC.</b>
(32) Priority Date	:15/01/2010	Address of Applicant :2100 LAKE PARK BLVD.,
(33) Name of priority country	:U.S.A.	RICHARDSON, TEXAS 75080, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)GLENN W. KOWALD</b>
(87) International Publication No	:NA	<b>2)HANS J. PALLER</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An HVAC burner box includes a burner bank, a manifold and an air director located within an enclosure. The burner bank is oriented such that an outlet end of the burner bank is directed toward a first end of the enclosure. The manifold is located within the enclosure and adjacent an inlet end of the burner bank. The air director has a diffuser that is coupled to a side of the enclosure. The diffuser includes a plurality of openings located therethrough. The diffuser is configured to direct a first portion of a received airstream through the opening and toward the burner bank. The diffuser is further configured to send a second portion of the received airstream toward the manifold.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2673/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DISC CARTRIDGE

(51) International classification	:G11B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	261403	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:16/11/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)TAKESHI KUBO</b>
Filing Date	:NA	<b>2)SUNMIN KIM</b>
(87) International Publication No	:NA	<b>3)NOBUHIKO TSUKAHARA</b>
(61) Patent of Addition to Application Number	:NA	<b>4)TAKEHARU TAKASAWA</b>
Filing Date	:NA	<b>5)NAOFUMI GOTO</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A disc cartridge includes upper and lower shells making up a cartridge body, and with the lower shell, a first-rectangular plate, and disc holders making up the side wall of the cartridge body provided to first-side edges of the first-rectangular plate, and also slidably supporting a disc are provided, and second-side edges which face each other are opened, with the upper shell, a second-rectangular plate, standing wall members provided to third-side edges of the second-rectangular plate, making up the front and rear faces of the cartridge body, and a dividing wall provided to fourth-side edges are provided, and with the disc holders, an disc insertion/ejection opening from the second-side edges is provided to one edge, and a push-out opening for a disc push-out member is provided to the other edge, and when the shells are combined together, the second-side edges are closed, and are opened when the shells are separated.

No. of Pages : 183 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.1988/DEL/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CARBON DIOXIDE CAPTURE SYSTEM AND METHODS OF CAPTURING CARBON DIOXIDE

(51) International classification	:C07D
(31) Priority Document No	:12/847,586
(32) Priority Date	:30/07/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK, 12345 U.S.A.

(72)Name of Inventor :

**1)PINARD WESTENDORF TIFFANY ELIZABETH**

**2)GENOVESE SARAH ELIZABETH**

(57) Abstract :

In one embodiment, a system (10) for recovering carbon dioxide from a gas stream (24), comprising: a reaction chamber (14) having a first pressure and comprising a gas stream inlet; a phase-changing liquid sorbent (12), wherein the liquid sorbent (12) is chemically reactive with carbon dioxide to form a solid material; a regeneration unit (36) to decompose the solid material to released carbon dioxide gas and regenerated liquid sorbent (42); and a transport mechanism (100) disposed between the reaction chamber (14) and the regeneration unit (36) and configured to mix the solid material with a liquid to form a slurry, pressurize the slurry, and transport the slurry to the regeneration unit (36). In one embodiment, a method of recovering carbon dioxide from a gas stream (24), comprising: chemically reacting carbon dioxide with a phase-changing liquid sorbent (12) to form a solid material; mixing the solid material with a liquid to form a slurry; pressurizing and transporting the slurry to a regeneration unit (36); and heating the slurry to form carbon dioxide gas and regenerated liquid sorbent (42).

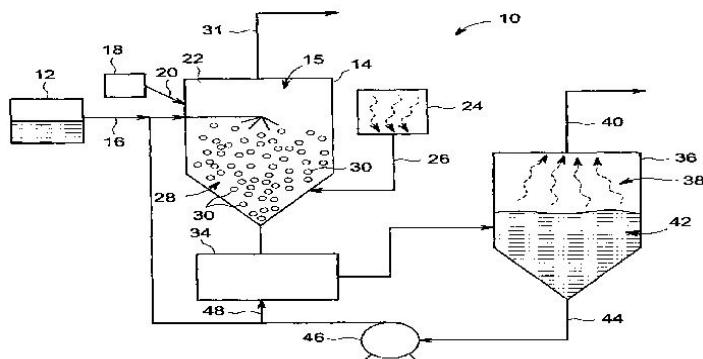


FIG. 1

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2010

(21) Application No.2541/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A CONTROLLER CIRCUIT FOR DAMPING OF POWER OSCILLATIONS AND FOR PREVENTION OF POWER SYSTEM COLLAPSE

(51) International classification	:H02J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DR. MOHAMMAD SYED JAMIL ASGHAR</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF ELECTRICAL
(33) Name of priority country	:NA	ENGINEERING, ALIGARH MUSLIM UNIVERSITY,
(86) International Application No	:NA	ALIGARH-202002, Uttar Pradesh India
Filing Date	:NA	<b>2)FAUZUL AZEEM SHAIKH</b>
(87) International Publication No	:NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)DR. MOHAMMAD SYED JAMIL ASGHAR</b>
Filing Date	:NA	<b>2)FAUZUL AZEEM SHAIKH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Electric power systems are widely interconnected which makes the power systems more complex to operate. It causes large power flows with inadequate control, excessive reactive power in various parts of the system, large dynamic power swings between different parts of the system and therefore the system becomes more insecure with respect to grid failure and power outage. Often, when the power system or grid is about to collapse due to sudden change in power transmission or load, including the overloading, short-circuit or fault condition, a critically loaded transmission line or a low power or least important load line is disconnected. However, apart from blackout caused in particular area, this practice of sudden disconnection causes power swing due to surplus in generated power. It also causes oscillation of power and the power angle ( $\delta$ ) between two or many generating stations and load centres. The increase of oscillations causes further stability problem leading to again, power system collapse or grid failure. To mitigate the said problem, this invention provides a controller circuit which is connected in series with a transmission line and/or power system or grid, at one or at many locations, to damp out the oscillations or swings and/or to limit or reduce the active or real power transmission or flow and/or to prevent the power system collapse or grid failure.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2662/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : FINE-PARTICLE, STABLE SUSPENSIONS OF FUNCTIONALIZED, COMPLETELY OR PARTIALLY HYDROGENATED NITRILE RUBBERS

(51) International classification	:C08K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09176534.7	<b>1)LANXESS DEUTSCHLAND GMBH,</b> Address of Applicant :D-51369 LEVERKUSEN, GERMANY
(32) Priority Date	:19/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EUROPEAN UNION	<b>1)MATTHIAS SODDEMANN</b>
(86) International Application No	:NA	<b>2)DANIEL GORDON DUFF</b>
Filing Date	:NA	<b>3)LARS KRUEGER</b>
(87) International Publication No	:NA	<b>4)SIGRUN STEIN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Novel stable aqueous suspensions of a functionalized, completely or partially hydrogenated nitrile rubber are provided with very low emulsifier content and small particle diameter, as also is a process for production thereof and the use thereof for producing composite materials via coating of substrate materials with the suspension.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.2720/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ROTOR ASSEMBLY FOR A REHEAT STEAM TURBINE

(51) International classification	:F01D
(31) Priority Document No	:EP09014911
(32) Priority Date	:01/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
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(72)Name of Inventor :

1)AXELSSON; GORAN

2)NYQVIST; JARI

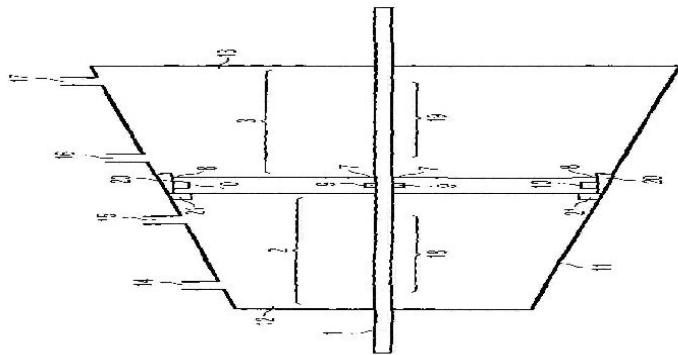
3)ORTSAETER; RICKARD

4)PERSSON; JAN

5)WIKSTROM; ROLF

(57) Abstract :

A caseless rotor assembly is described, comprising a rotor shaft, a high pressure portion with a high pressure rotor blade, a low pressure portion with a low pressure rotor blade, and a common wall between the high pressure portion and the low pressure portion. The common wall extends radially from the rotor shaft. The common wall itself comprises a shaft end oriented towards the rotor shaft and an outer end on the other side of the common wall, oriented radially outwards. Additionally, the common wall surrounds circularly the rotor shaft. (Fig. 1)



No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.2243/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CALIBRATED TIP FOR CONVENTIONAL PHACOEMULSIFICATION

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(51) International classification	:B23H
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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**2)DR. TARU DEWAN**

(72)Name of Inventor :

**1)DR. PRAVEEN KUMAR MALIK**

**2)DR. TARU DEWAN**

(57) Abstract :

This present invention includes an improvement in features of the existing tip with an external gradation on the tip. The invention has four bands each 0.2mm wide and 0.2mm apart starting 2.0mm from the tip. This means band 1 is from 2.0 to 2.2mm band 2 is from 2.4 to 2.6mm band 3 is from 2.8 to 3.0mm band 4 is from 3.2 to 3.4mm The mentioned calibration can be applied to all available tips with minor modifications in thin walled tips and angulated tips. The invention measures the actual depth penetrated, versus desired (preassessed mathematically), during phacoemulsification thus eliminates both hesitancy and over enthusiasm during phacochop.

No. of Pages : 6 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/10/2010

(21) Application No.2500/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM FOR ICE AND/OR FROST PREVENTION USING GUIDED WAVE ENERGY

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(51) International classification :F02C  
(31) Priority Document No :12/611,332  
(32) Priority Date :03/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :NA  
    Filing Date :NA  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

---

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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(72)Name of Inventor :

**1)ZHANG HUA**

**2)ZHANG JIANMIN**

(57) Abstract :

An ice and/or frost preventing system for positioning in an airflow tunnel (120) having an air inlet (122) includes a plurality of waveguide passages (142) positioned in the airflow tunnel (120); an air filter (130) positioned in each waveguide passage (142); a microwave energy source (150) coupled to each waveguide passage (142); a first screen (160) positioned in the airflow tunnel (120) upstream of the plurality of waveguide passages (142); and a second screen (162) positioned in the airflow tunnel (120) downstream of the plurality of waveguide passages (142). The microwave energy sources (150) and the first and second screens (162) create a guided, standing wave, microwave energy (170) that substantially prevents at least one of ice and frost from forming on the air filters (130). A turbine system (90) including the ice and/or frost preventing system is also described.

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/10/2010

(21) Application No.2501/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OVIENIZED CRYSTAL OSCILLATOR ASSEMBLY

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(51) International classification	:H03L
(31) Priority Document No	:61/279,633
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)CTS CORPORATION**

Address of Applicant :905 WEST BOULEVARD NORTH,  
EIKHART, INDIANA 46514 U.S.A.

(72)Name of Inventor :

**1)STOLPMAN JAMES L.**

**2)PISON JAMES H.**

(57) Abstract :

An oscillator assembly which, in one embodiment, is an ovenized crystal oscillator assembly including an enclosure defined by a base and a lid which is seated on the base. The components of the oscillator assembly are supported by the base and located under the lid. The base and the lid together define an interior oven and are both preferably made of an insulative thermoplastic material to maximize the heat retention and oven performance of the oscillator assembly. In one embodiment, the lid and the base incorporate a clip for securing the lid to the base.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.2691/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CABLE CONNECTION PIN AND EMBEDDED ANTENNA TYPE ELECTRONIC DEVICE HAVING THE SAME

(51) International classification

:H01Q

:KR 10-

(31) Priority Document No

2009-

0130054

(32) Priority Date

:23/12/2009

(33) Name of priority country

:Republic

of Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)**Name of Applicant :**

**1)SAMSUNG ELECTRO-MECHANICS CO., LTD.**

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**1)AN, CHAN GWANG**

**2)SUNG, JAE SUK**

**3)CHO, SUNG EUN**

**4)HONG, HA RYONG**

**5)HAN, CHANG MOK**

**6)CHANG, KI WON**

**7)LEE, DAE KYU**

(57) Abstract :

A cable connection pin includes: support portions supported by an injection-molded face; a first receiving rack formed to extend from the support portion and receiving one side of a cable; and a second receiving rack receiving the opposite side of the cable.

No. of Pages : 26 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2756/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CONTROLLING TIME STAMP COUNTER (TSC) OFFSETS FOR MULTIPLE CORES AND THREADS

(51) International classification	:G06F
(31) Priority Document No	:12/644,989
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BLVD.,  
SANTA CLARA, CALIFORNIA 95052, U.S.A.

(72)**Name of Inventor :**

**1)DIXON, MARTIN, G.**

**2)SHRALL, JEREMY, J.**

**3)PARTHASARATHY, RAJESH, S.**

---

(57) Abstract :

In one embodiment, the present invention includes a method for recording a time stamp counter (TSC) value of a first TSC counter of a processor before a system suspension, accessing the stored TSC value after the system suspension, and directly updating a thread offset value associated with a first thread executing on a first core of the processor with the stored TSC value, without performing a synchronization between a plurality of cores of the processor. Other embodiments are described and claimed.

No. of Pages : 27 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2458/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOSITE LOAD-BEARING ROTATION RING AND PROCESS THEREFOR

(51) International classification	:F16C
(31) Priority Document No	:12/609,680
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
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(72)**Name of Inventor :**

**1)XIE MING (NMN)**

**2)NEIS SCOTT FRANCIS**

**3)SLUSHER STEVEN TODD**

**4)BLANTON LEE ALAN**

(57) Abstract :

Composite load-bearing rotating rings (60,90) suitable for use in fan sections (10) of gas turbine engines, and processes for their fabrication. Such a ring (60,90) has at least a first portion (74,96) defining an integral abutment surface (75,95) adapted to abut and retain hardware (16) of a rotating machine (10), at least a second portion (68,102) defining an integral flange (70,102) adapted to secure the ring to a support structure (14,22) of the rotating machine (10), and an insert (78,108). Each of the first and second portions (74,96;68,102) and the insert (78,108) contains a polymer matrix material and a fibrous reinforcement material, and the fibrous reinforcement material within the insert (78,108) is oriented predominantly in a circumferential direction of the ring (60,90) for carrying both circumferential and radial loads during rotation of the ring (60,90).

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2589/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : VALVE HAVING BALL SHAPED SEALING ELEMENT

(51) International classification	:F16K
(31) Priority Document No	:102009046372.0
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GMBH

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(72)Name of Inventor :

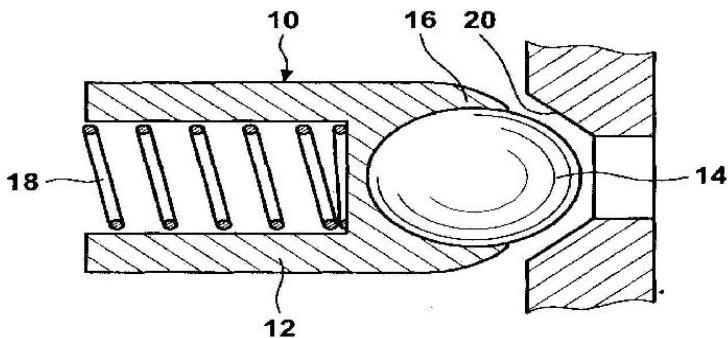
1)SCHUMANN, BEATE

2)SCHULLER, WOLFGANG

3)SCHUESSLER, MICHAEL

(57) Abstract :

The present subject matter relates to a valve having a valve closing body (10) and a valve seat (20) disposed in a longitudinal direction of valve closing body (10). According to the present subject matter, the valve closing body (10) includes a cylindrical guiding element (12) and a sealing element (14). The sealing element (14) is oriented toward the valve seat (20) in the longitudinal direction of the guiding element (12) is held by the guiding element



**FIG. 1**

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2010

(21) Application No.2705/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD FOR BLENDING AND LOADING SOLID CATALYST MATERIAL INTO TUBULAR STRUCTURES

(51) International classification

:B65B

(31) Priority Document No

:61/283,833

(32) Priority Date

:09/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)FERNANDO ANTONIO PESSOA CAVALCANTI**

**2)MICHAEL STANLEY DE COURCY**

**3)PETER KLUGHERZ**

**4)CHARLES LONZETTA**

---

(57) Abstract :

The present invention relates to a method for blending and loading solid material into vessels, such as into the tubes of shell and tube reactors, in a manner which maximizes compositional homogeneity and consistency of quantities and configurations of the blended solid materials. The solid materials comprise one or more solid catalyst materials, one or more solid inert materials, or blends thereof.

No. of Pages : 47 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2010

(21) Application No.2773/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FLUID INLET APPARATUS

(51) International classification	:B01D
(31) Priority Document No	:09176896.0
(32) Priority Date	:24/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SULZER CHEMTECH AG**

Address of Applicant :SULZER-ALLEE 48, CH-8404  
WINTERTHUR, SWITZERLAND

(72)Name of Inventor :

**1)NIKOLAY ZAITSEV**

**2)ANSOR GABLER**

(57) Abstract :

An apparatus (1) for the introduction and for the distribution of a fluid (2) into an inner space (4) of a container (3) includes an inlet passage (5) and a distribution passage (6), wherein the inlet passage (5) opens into the distribution passage (6) so that the fluid can be guided from the inlet passage (5) into the distribution passage (6). The distribution passage (6) has a jacket (10) which has at least one outlet opening (11, 12). The inlet passage (5) is connected to the distribution passage (6) via at least one opening (8) which is arranged in the jacket (10) of the distribution passage (6).

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2010

(21) Application No.2774/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CONVERTER DEVICE AND METHOD FOR CONVERTING ELECTRICAL POWER

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(51) International classification	:H02J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP10000319	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:14/01/2010	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EPO	MUNCHEN, GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ANDRESEN; BJORN</b>
(87) International Publication No	:NA	<b>2)WULFF; STEFFEN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

It is described a converter device (102) for power conversion in e.g. a power plant such as a wind turbine. The converter device is configured for converting an input power (106) to an electrical output power (108). The converter device (102) may be configured for receiving mechanical input power or, according to another embodiment, may be configured for receiving electrical input power. The converter device (102) comprises a controller (116) which is configured for setting a phase angle between a voltage and a total current of the electrical output power (108) to a predetermined value if the voltage indicated by the voltage signal is outside a predetermined voltage band.

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2599/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING A WIND TURBINE

(51) International classification

:F03D

(31) Priority Document No

:12/618,171

(32) Priority Date

:13/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)CARDINAL MARK EDWARD**

**2)KLODOWSKI ANTHONY MICHAEL**

**3)GANDHI JIGNESH G.**

**4)BARKER SIDNEY ALLEN**

**5)SCHOLTE-WASSINK HARTMUT**

**6)HOFFMANN TILL**

**7)TORBOHM GERT**

**8)SCHULTEN CHRISTOPH**

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(57) Abstract :

A control system (200) for a wind turbine is provided. The control system includes at least one measurement device (404) configured to measure at least one operating condition of the wind turbine (100). The first controller (202) is configured to calculate an operating limit of the wind turbine based on the measured operating condition, and adjust the operating limit based on a limiting condition of a component (402) of the wind turbine.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.2655/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS OF MANUFACTURING THROTTLE VALVES AND THROTTLE BODIES

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:2009-253841	<b>1)AISAN KOGYO KABUSHIKI KAISHA</b> Address of Applicant :1-1, KYOWA-CHO 1-CHOME, OBU-SHI, AICHI-KEN, JAPAN
(32) Priority Date	:05/11/2009	<b>2)DENSO CORPORATION</b>
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)SHIMOTO HIROKI</b> <b>2)OZEKI MASASHI</b> <b>3)TAKEUCHI KENJI</b> <b>4)MIYAMOTO KENJI</b> <b>5)KUBOTA YOSHINORI</b> <b>6)ASANO HIDEKI</b> <b>7)KAWADA TAKANORI</b> <b>8)SHIMADA HIROKI</b> <b>9)TANIMURA HIROSHI</b> <b>10)FUKAYA YUKIMASA</b> <b>11)ARAI TSUYOSHI</b> <b>12)HIRAIWA NAOKI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of molding a part, such as throttle valve and a throttle body, of a throttle device includes resin-molding the part by an injection molding process using a molding die. The molding die has a mold cavity having a cavity portion for molding a base that may protrude from the resin part. The cavity portion for molding the base communicates with an injection gate, from which molten resin is injected into the mold cavity. The configuration of at least one of the base and the injection gate is determined such that a projection formed at the injection gate can be removed without substantially damaging the resin part.

No. of Pages : 46 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2010

(21) Application No.2715/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR CONTROLLING FUEL MIXING

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(51) International classification	:F02C
(31) Priority Document No	:12/627,838
(32) Priority Date	:30/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)LOEVEN II ROBERT J.**

(57) Abstract :

Systems and methods for controlling fuel mixing are provided. One or more parameters associated with the operation of a machine configured to receive a combined fuel may be identified. A fuel flow of the combined fuel that is provided to the machine may be determined. Based at least in part on the identified parameters, a ratio of a first fuel type included in the combined fuel to the determined fuel flow may be determined. The first fuel type may have a heating value that is greater than a second fuel type included in the combined fuel. A flow of the first fuel type may be set based at least in part on the ratio. Subsequent to setting the flow of the first fuel type, an energy content of the fuel flow of the combined fuel may be determined, and the flow of the first fuel type may be adjusted based at least in part on the determined energy content.

No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2010

(21) Application No.2716/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DYNAMIC INSTALLATION AND UNINSTALLATION SYSTEM OF RENEWABLE ENERGY FARM HARDWARE

(51) International classification	:G06F
(31) Priority Document No	:12/627,735
(32) Priority Date	:30/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)**Name of Inventor :**

**1)KUMAR VIVEK**

**2)A., HEMANTH KUMAR**

**3)JOSE CHERY**

**4)PURAVANKARA VINISH**

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(57) Abstract :

A system (500, 1000) for the dynamic installation or uninstallation of a plurality of hardware components (314, 818) of a renewable energy software system (304, 704) at runtime, comprising a reviser (201, 601) including a hardware configuration database (300, 800), at least one communication device (420, 620) that allows the plurality of hardware components (314, 818) to communicate with the hardware configuration database (300, 800) containing hardware configuration data (312, 812) for the plurality of hardware components (314, 818)and, a plurality of real time objects (306, 308, 309, 310 and 706, 708, 709, 710) in the renewable energy software system (304, 704) that represent the plurality of hardware components (314, 818), wherein the plurality of real time objects (306, 308, 309, 310 and 706, 708, 709, 710) are automatically updated by the hardware configuration database (300, 800).

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2010

(21) Application No.2784/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : EPOXY RESIN FORMULATIONS FOR UNDERFILL APPLICATIONS

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(51) International classification

:C08G

(31) Priority Document No

:61/263,459

(32) Priority Date

:23/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)DOW GLOBAL TECHNOLOGIES LLC.**

Address of Applicant :2040 DOW CENTER, MIDLAND,  
MICHIGAN 48674, U.S.A.

(72)Name of Inventor :

**1)MARK B. WILSON**

**2)STEPHANIE L. POTISEK**

(57) Abstract :

Disclosed is a low viscosity, low to no chloride containing epoxy resin formulation including a divinylbenzene dioxide as a component in the formulation; wherein the formulation is useful for the manufacture of capillary underfill compositions.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2663/DEL/2010 A

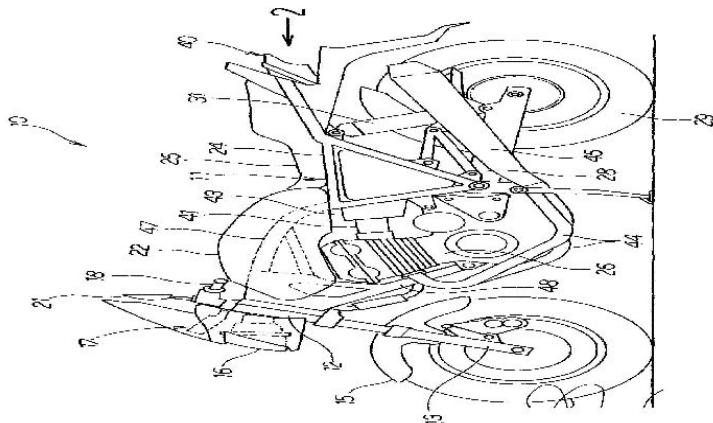
(43) Publication Date : 04/10/2013

(54) Title of the invention : REAR LAMP FOR MOTORCYCLE

(51) International classification	:B62J	(71)Name of Applicant :
(31) Priority Document No	:2009-281762	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:11/12/2009	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)KOJI OKAMOTO</b> <b>2)TAKAFUMI YAMAGUCHI</b> <b>3)SHIRO MIYAMOTO</b> <b>4)TOMOHIKO SASAKI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

[Object] An object of the present invention is to provide a small rear lamp with a guaranteed visibility. [Solving Means] A rear lamp 40 for a motorcycle is provided at a rear portion of a vehicle, and causes a light source 50 to perform both a tail lamp function of turning on a light by an operation on a switch 102 and a stop lamp function of turning on a light during braking. The rear lamp is characterized as follows. Light from the light source 50 is refracted at a lens 75. The lens 75 has different lens cuts formed in an upper part 55 and a lower part 53 thereof to make any one of the upper part 55 and the lower part 53 look brighter than the other. [Effects] Any one of the upper part 55 and the lower part 53 look brighter than the other by forming different cuts. By providing such a contrast in brightness, the rear lamp 40 becomes conspicuous, and high visibility can be obtained. Moreover, the common light source 50 is used for the tail lamp function and the stop lamp function. The downsizing of the rear lamp is made possible in comparison with a case where different light sources 50 are used for the respective functions.



No. of Pages : 35 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2664/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : WIND TURBINE REFRIGERATION SYSTEM

(51) International classification	:F03D
(31) Priority Document No	:P200902135
(32) Priority Date	:10/11/2009
(33) Name of priority country	:Spain
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

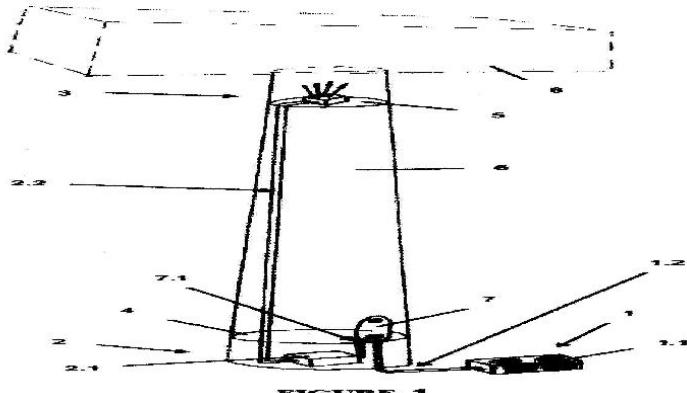
**1)GAMESA INNOVATION & THECHNOLOGY, S.L.**  
Address of Applicant :AVENIDA CIUDAD DE LA  
INNOVACION, 9-11 31621 SARRIGUREN (NAVARRA) -  
SPAIN

(72)Name of Inventor :

**1)ALVAREZ ALONSO, OSCAR**  
**2)LENDETA MANZAO, BENAT**

(57) Abstract :

The wind turbine refrigeration system of the invention is based on cooling the interior of the wind turbines nacelle from inside the tower and is comprised of a system, located outside the wind turbine, which produces cooled water, connected to a hydraulic unit by means of refrigeration pipes for the refrigeration and pumping of cooled water impulsed through hydraulic pipes to a terminal unit composed of a heat exchange battery and a fan, located as close as possible to the wind turbines nacelle and at which the air inside the tower is cooled and impulsed, once cooled, inside the nacelle, the operation of which is managed by a control system which constantly monitors existing temperature and/or humidity.



No. of Pages : 13 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2666/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INFANT WARMER

(51) International classification	:A61G
(31) Priority Document No	:12/623,901
(32) Priority Date	:23/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)PANICKER BIJU PADMANABHA**

(57) Abstract :

An infant warmer system (10) includes a heater canopy (12) comprising a solar panel (24) configured to convert solar energy into electricity, and a heater (26) operatively connected to the solar panel (24). The heater (26) is powered by the electricity from the solar panel (24) and/or electricity from a steam generator (14), and is configured to provide radiant energy in the infrared spectrum to impinge upon and thereby warm an infant. The heater canopy (12) also includes a controller (28) operatively connected to the heater (26). The controller (28) is configured to regulate the temperature of the heater (26) such that the infant may be maintained within a selectable temperature range. The heater canopy (12) also includes an attachment member (16) configured to secure the heater canopy (12) to a wall during operation.

No. of Pages : 13 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2010

(21) Application No.2795/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TORSION BEAM TYPE SUSPENSION

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(51) International classification	:B60G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-268718	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:26/11/2009	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)AKAHORI, WATARU</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

A torsion beam type suspension has no risk that a beam body will directly contact with a fuel tank, or that a forward projecting portion of a stabilizer will contact with the fuel tank. In a torsion beam type suspension in which a pair of trailing arms are connected to the beam body to form an H-shaped torsion beam, and both ends of the stabilizer separate from the torsion beam are connected to the trailing arms, both-side parts of the stabilizer 7 extending along the beam body 2a are attached to a vehicle body 4, a portion between vehicle body attachment parts 9 of the stabilizer 7 is curved downward, and the curved part 10 is disposed at the rear of the fuel tank 11 and in front of the beam body 2a.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.2688/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : KNOT ALIGNING DEVICE

(51) International classification	:D02H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-298283	<b>1)MURATA MACHINERY, LTD.</b>
(32) Priority Date	:28/12/2009	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)MIMA HIROSHI</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

By rotating elastic rollers 16a and 16b under a state that a plurality of yarns drawn out from a plurality of packages are passed through a slit 26 formed by a fixed roller 22 and an up-and-down roller 23 and are nipped between the elastic rollers 16a and 16b, each of the yarns is fed to a downstream side until a knot portion between a yarn Y21 and a yarn Y22 reaches the slit 26. After having the knot portion caught in the slit 26, the yarn Y21 slips on the surface of the elastic rollers 16a and 16b and the each of the yarns is not fed any further. Further, by rotating the elastic rollers 16a and 16b until knot portions in every single yarn are caught in the slit 26, knot portions in the plurality of yarns can be automatically aligned.

No. of Pages : 42 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.2689/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VARIABLE VALVE OPERATING SYSTEM FOR INTERNAL COMBUSTION ENGINE

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(51) International classification	:F02D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-258991	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:12/11/2009	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8065 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)OHSAWA HIROSHI</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

A variable valve operating system includes a position changing mechanism, which is configured by a circular eccentric portion provided for a control shaft of a engine valve in a manner decentered from an axis of the control shaft, an external gear formed on a cam follower swingably supported on the eccentric shaft portion, and an internal gear formed on a rocking cam so as to be engaged with the external gear. The control shaft is rotated when opening/closing characteristics of the engine valve are changed, the external gear is revolved by the eccentric shaft portion around the axis of the control shaft, an engaged portion of the internal gear with the external gear is moved in a circumferential direction of the internal gear by the revolution of the external gear, and the position of the rocking cam with respect to the cam follower is changed by the movement of the engaged portion of the internal gear.

No. of Pages : 34 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2753/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOSITE PARTICLES FOR OPTICAL BANDPASS FILTERS

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(51) International classification

:G02B

(31) Priority Document No

:61/284,748

(32) Priority Date

:23/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ROHM AND HAAS COMPANY**

Address of Applicant :100 INDEPENDENCE MALL WEST,  
PHILADELPHIA, PENNSYLVANIA 19106-2399, U.S.A.

(72)Name of Inventor :

**1)BRIAN EINSLA**

**2)SUSAN FITZWATER**

**3)EDWARD GREER**

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(57) Abstract :

The present invention relates to composite polymeric particles for use as infrared reflectors in optical bandpass applications.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2754/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POINTER DETECTION APPARATUS AND DETECTION SENSOR

---

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-074112	<b>1)WACOM CO., LTD.</b>
(32) Priority Date	:29/03/2010	Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)YASUO ODA</b> <b>2)YOSHIHISA SUGIYAMA</b> <b>3)SADAQ YAMAMOTO</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

A pointer detection apparatus is provided, which is capable of detecting a pointed position and a pressure applied by a pointer on a detection sensor. The detection sensor includes a plurality of first conductors disposed in a first direction, a plurality of second conductors disposed in a second direction crossing with the first direction, and a pressure sensitive material disposed between the first and second conductors and having a variable resistance characteristic. When a pointer is positioned in the proximity of (but not in contact with) the detection sensor or when a pressure applied to the detection sensor by the pointer in contact with the detection sensor is equal to or lower than a threshold, detection signals corresponding to variation in electrostatic capacity between the first and second conductors are supplied. When the pressure applied to the detection sensor is higher than the threshold, detection signals corresponding to variation in resistance characteristic of the pressure sensitive material are supplied.

No. of Pages : 318 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2815/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PROCESS FOR CONTINUOUSLY PRODUCING THERMOPLASTICALLY PROCESSABLE POLYURETHANES

(51) International classification	:C08L
(31) Priority Document No	:10 2009 055 735.0
(32) Priority Date	:26/11/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)BAYER TECHNOLOGY SERVICES GMBH**

Address of Applicant :51368 LEVERKUSEN, GERMANY

**2)BAYER MATERIALSCIENCE AG**

(72)Name of Inventor :

**1)JENS HEPPERLE**

**2)ULRICH LIESENFELDER**

**3)SIGURD BUCHHOLZ**

**4)WOLFGANG BRAUER**

**5)WOLFGANG KAUFHOLD**

**6)ACHIM HASELER**

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(57) Abstract :

The invention relates to a process for continuously producing thermoplastically processable polyurethanes with improved softening behaviour in a sequence of static mixers.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/10/2010

(21) Application No.2489/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MAGNETIC IRON CORE, METHOD FOR MANUFACTURING THE SAME, AXIAL-GAP ROTATING ELECTRICAL MACHINE, AND STATIC ELECTRICAL MACHINE

(51) International classification	:H02K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-243234	<b>1) HITACHI APPLIANCES, INC.</b> Address of Applicant :16-1, KAIGAN 1-CHOME, MINATO-KU, TOKYO 105-0022 JAPAN
(32) Priority Date	:22/10/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1) ENOMOTO YUJI</b> <b>2) WANG ZHUONAN</b> <b>3) MASAKI RYOSO</b> <b>4) ITABASHI HIROMITSU</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention provides a high-quality magnetic iron core by concurrently satisfying requirements for enhancement in strength of a wound iron core, particularly, strength of a wound iron core made up of amorphous foil strips, reduction in manufacturing time, and manufacturing cost. The invention also provides an electromagnetic application product highly efficient and small in size as an application of the magnetic iron core. The magnetic iron core includes an amorphous foil strip being wound to form the magnetic iron core. The magnetic iron core is filled with resin, the resin being disposed in every plural turns of windings of the amorphous foil strip. Preferably, the magnetic iron core is filled with the resin, the resin being disposed by using a spacer in every plural turns of windings of the amorphous foil strip. Preferably, the magnetic iron core is covered with resin which is integrated with and continuous to the resin disposed in every plural turns of windings of the amorphous foil strip.

No. of Pages : 48 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2010

(21) Application No.2558/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INFORMATION PROCESSING DEVICE AND METHOD FOR PROCESSING SIGNAL OF INFORMATION PROCESSING DEVICE

(51) International classification	:H01L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-010024	<b>1) HITACHI CONSUMER ELECTRONICS CO., LTD.</b> Address of Applicant :2-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-0004 JAPAN
(32) Priority Date	:20/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1) OKAMURA TASUYA</b> <b>2) UENO KAZUMA</b> <b>3) OHSHIKA TOYOSHIGE</b> <b>4) KATO YOHEI</b> <b>5) KABUTO NOBUAKI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An information processing device is provided with plural Hdmi connectors through which an audio signal is supplied to the other information processing device. The device allows selection of an audio signal supply destination. The audio signal supply is requested, and the audio signal is supplied to the specified information processing device in the requested arriving order. The information processing device of a specific type is determined as a priority device which is preferentially selected to receive the audio signal. If the information processing device of specific type is determined as the priority device, and supply of the audio signal therefrom is requested, the audio signal is supplied to the priority device by terminating the audio signal supply to the other information processing device. The audio signal may be supplied to plural supply destinations.

No. of Pages : 59 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2813/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PAINT FILM-PROTECTING SHEET

(51) International classification	:C09J
(31) Priority Document No	:2009-270138
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)NITTO DENKO CORPORATION**

Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680, JAPAN

**2)KANSAI PAINT CO., LTD.**

(72)Name of Inventor :

**1)TOSHITAKA SUZUKI**

**2)TAKESHI IGARASHI**

**3)HIROKO IKENAGA**

**4)YUKI SAITOU**

**5)SHINJI IGUCHI**

**6)KOJI YAMAGUCHI**

**7)YOSHIKUNI HIRANO**

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(57) Abstract :

A paint film-protecting sheet (1) that effectively prevents adhesive transfer to the paint film is provided. The paint film-protecting sheet (1) includes a pressure-sensitive adhesive (PSA) layer (20), which is comprised of a non-crosslinking PSA, disposed on a polyolefin-based resin film serving as a supporting substrate (10). At least a surface portion (12) of the supporting substrate which adjoins the PSA layer is formed of a resin material that satisfies both of the following conditions: (1) it contains W wt% of a LLDPE having a density d of 0.925 g/cm<sup>3</sup> or less, wherein W is greater than or equal to 20; and (2) it has a LLDPE content index a of 400 or more, the LLDPE content index a being defined as (0.935 -d)xWx 1000.

No. of Pages : 40 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2814/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PAINT FILM-PROTECTING SHEET

(51) International classification	:C09J
(31) Priority Document No	:2009-270139
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)NITTO DENKO CORPORATION**

Address of Applicant :1-1-2, SHIMOHOZUMI, IBARAKI-SHI, OSAKA 567-8680, JAPAN

**2)KANSAI PAINT CO., LTD.**

(72)Name of Inventor :

**1)TOSHITAKA SUZUKI**

**2)TAKESHI IGARASHI**

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**4)YUKI SAITOU**

**5)SHINJI IGUCHI**

**6)KOJI YAMAGUCHI**

**7)YOSHIKUNI HIRANO**

---

(57) Abstract :

A paint film-protecting sheet (1) is provided which effectively prevents adhesive transfer to the paint film. The paint film-protecting sheet (1) has a pressure-sensitive adhesive layer which is comprised of a non-crosslinking pressure-sensitive adhesive (20) adjacent a polyolefin-based resin film serving as a supporting substrate (10). At least a surface portion (12) of the supporting substrate that adjoins the pressure-sensitive adhesive layer satisfies the following conditions: (1) it has an indentation modulus at 25°C (Er(25)) of from 200 MPa to 1,100 MPa and (2) it has an indentation modulus at -5°C (Er(-5)) of from 400 MPa to 2,400 MPa.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2635/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : AIRCRAFT LANDING GEAR

(51) International classification	:B64C
(31) Priority Document No	:09425441.4
(32) Priority Date	:04/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AGUSTA S.P.A

Address of Applicant :520 FRAZIONE CASCINA COSTA-VIA GIOVANNI AGUSTA, SAMARATE ITALY. Italy

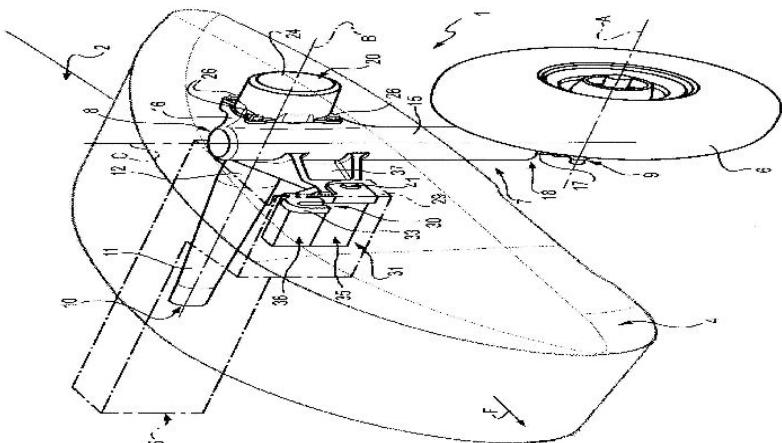
(72)Name of Inventor :

1)NANNONI FABIO

2)BALLERIO DANTE

(57) Abstract :

A landing gear (1, 1) for an aircraft (2), having mounting means (5, 57) fitted to the fuselage (3) of the aircraft (2); at least one wheel (6); and at least one supporting arm (7, 7) having a first end portion (8, 8) connected to the mounting means (5, 57), and a second end portion (9, 9) opposite the first end portion (8, 8), and to which the wheel (6) is suspended. The first end portion (8, 8) of the supporting arm (7, 7) has a seating portion (16, 60) fitted in rotary manner to a pin (10, 56) connected to the mounting means (5, 57) and extending crosswise to the supporting arm (7, 7); and an electrically controlled actuator (20, 20) is fitted to the seating portion (16, 60), and is activated selectively to rotate the supporting arm (7, 7), about the pin (10, 56), between a first and second operating position defining a stowed in-flight configuration and a lowered landing configuration of the landing gear (1, 1) respectively.



No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/11/2010

(21) Application No.2636/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHODS FOR MONITORING POWER DEVICES

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(51) International classification	:H02J
(31) Priority Document No	:12/620,885
(32) Priority Date	:18/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER RAOD, SCHENECTADY,  
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(72)Name of Inventor :

**1)KIRCHNER ANDREAS**

**2)UBBEN ENNO**

(57) Abstract :

Systems (100) and methods (200) for monitoring power devices (105) that are connecting in a loop to a main power line (120) are provided. A plurality of power devices (105) that are connected in a loop to a power grid line (120) may be provided. The loop may include a plurality of power lines (130, 131, 132, 133, 134). A disturbance within the plurality of power devices (105) may be identified, and an impact of the identified disturbance on the plurality of power lines (130, 131, 132, 133, 134) may be determined. A power output of one or more of the plurality of power devices (105) may be adjusted based at least in part on the determined impact.

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.2693/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : BELT OF A ROTOR BLADE OF A WIND POWER PLANT

---

(51) International classification

:F03D

:DE 10

(71)**Name of Applicant :**

**1)REPOWER SYSTEMS AG**

(31) Priority Document No

2009 047

570.2

Address of Applicant :UBERSEERING 10, HAMBURG

22297, GERMANY

(32) Priority Date

:07/12/2009

(72)**Name of Inventor :**

**1)URS BENDEL**

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(57) Abstract :

The invention relates to a belt (20) of a rotor blade (10) of a wind power plant, comprising a plurality of fiber-reinforced individual layers, which are interconnected by a resin. The invention is characterized in that at least one fiber-reinforced individual layer has a longitudinal stiffness of more than 50,000 N/mm with a thickness of more than 0.9 mm.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2822/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WIND TURBINE CABLE TWIST PREVENTION

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(51) International classification

:H02P

(31) Priority Document No

:12/635,219

(32) Priority Date

:10/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A wind turbine 2 having a nacelle 6, includes a Global Positioning System (GPS) sensor 200 for determining a rotational displacement of the nacelle 6 of the wind turbine 2.

No. of Pages : 12 No. of Claims : 11

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)ALTENSCHULTE MARKUS**

**2)KIRCHNER ANDREAS**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2823/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SPACERS FOR ROLLING BEARINGS WITH ADJUSTED LENGTHS

(51) International classification	:F16C
(31) Priority Document No	:09 58471
(32) Priority Date	:30/11/2009
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ASTRIUM SAS

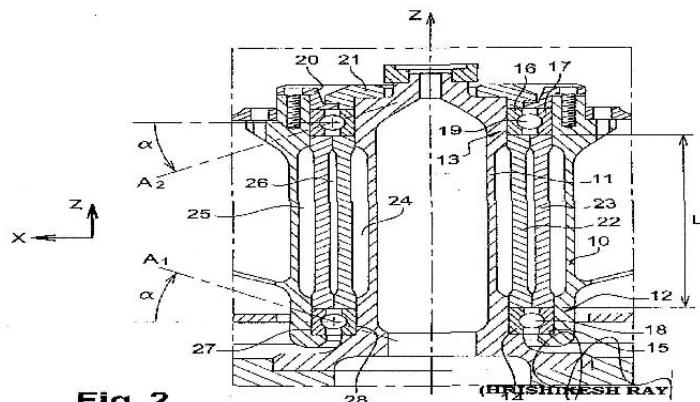
Address of Applicant :6 RUE LAURENT PICHAT, 75016  
PARIS, FRANCE

(72)Name of Inventor :

1)GUAY MICHEL PASCAL NOEL

(57) Abstract :

The rolling bearing device, of the type comprising a central shaft and a hub (10) mobile in rotation relative to each other, the bearing comprising at least two rolling bearings (12, 13), one designated lower and the other designated upper, arranged between the central shaft (11) and the hub (10) in two positions spaced in the axial direction Z, these rolling bearings being fitted with inner {14, 16} and outer {15, 17} rings and with balls (18, 19), the rolling bearings being assembled back-to-back or face-to-face, a rigid preload being applied to these bearings along the axial direction Z, internal (22) and external (23) spacers being arranged between these rolling bearings (12, 13), the inner (22) and outer (23) spacers have lengths adjusted to limit variations in rigid preload caused by temperature gradients from one point of the bearing to another to less than 30%, particularly thermal gradients in the radial direction.



No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2010

(21) Application No.2706/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A METHOD FOR LAYING DOWN A PAVEMENT, A SCREED AND A ROAD PAVER

(51) International classification	:E01C
(31) Priority Document No	:09014516.0
(32) Priority Date	:20/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)JOSEPH VOGEL AG**

Address of Applicant :JOSEPH-VOGELE-STRÆ 1, 67075  
LUDWIGSHAFEN, GERMANY

**(72)Name of Inventor :**

**1)MARTIN BUSCHMANN**

**2)GUNTER ZEGOWITZ**

**3)ACHIM EUL**

**4)RALF WEISER**

**5)ROMAN MUNZ**

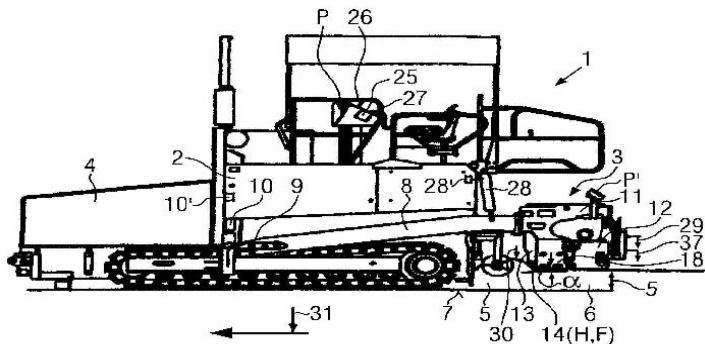
**6)NICOLE ANGERMANN**

**7)KLAUS BERTZ**

**8)CHRISTIAN PAWLICK**

**(57) Abstract :**

In a method for laying down a pavement (6) consisting of paving material (5) with a screed (3) of a road paver (1), in which a compaction unit, particularly a tamper (14), pre-compacts the paving material at cyclical work cycles with selectable stroke (H) and selectable frequency (F) while the pavement having a selectable pavement thickness (S) is in the process of being laid down at a selectable paving speed (V), at least the stroke (H) is automatically adjustable in response to paving parameters, such as at least the paving speed (V) and/or the pavement thickness (S), along a characteristic curve or in a characteristic map. In the screed (3) the compaction unit comprises an adjusting mechanism (24) which is operable during the ongoing paving work for adjusting the stroke (H) of the compaction unit. (Fig. 1)



**FIG. 1**

No. of Pages : 35 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2010

(21) Application No.2707/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INTERFACE LOGIC FOR A MULTI-CORE SYSTEM-ON-A-CHIP (SOC)

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(51) International classification

:G01R

(31) Priority Document No

:12/639,258

(32) Priority Date

:16/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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M/S: RNB4-150, SANTA CLARA, CA 95052, U.S.A.

(72)Name of Inventor :

**1)RACHAKONDA, RAMANA**

**2)HACKING, LANCE, E.**

**3)REDDY, MAHESH, K.**

**4)BORGER, LORI, R.**

**5)TEH, CHEE, HAK**

**6)BHATIA, PAWITTER, P.**

**7)LEE, JOHN, P.**

---

(57) Abstract :

In one embodiment, the present invention includes a system-on-a-chip (SoC) with first and second cores, interface logic coupled to the cores, chipset logic coupled to the interface logic, and a virtual firewall logic coupled between the chipset logic and the second core. The interface logic may include a firewall logic, a bus logic, and a test logic, and the chipset logic may include a memory controller to provide for communication with a memory coupled to the SoC. In some system implementations, both during test operations and functional operations, the second core can be disabled during normal operation to provide for a single core SoC, enabling greater flexibility of use of the SoC in many different implementations. Other embodiments are described and claimed.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2830/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HIGH TORQUE OUTPUT DRIVE SYSTEM

(51) International classification	:F03B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:098144462	<b>1)WU-ERE TENG</b>
(32) Priority Date	:23/12/2009	Address of Applicant :NO. 17, GUANGMING 5TH LN., WEISIN RD., YONGAN TOWNSHIP, KAOHSIUNG COUNTY
(33) Name of priority country	:China	828, TAIWAN
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)WU-ERE TENG</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A high torque output drive system includes a fluid tank (2) that stores a fluid (200), an array of weighted members (33) disposed in series such that leading and trailing subarrays (33a,33b) thereof are respectively placed along left and right running routes (364) in the fluid tank (2) , upper and lower direction reversing guide units (34) respectively defining upper and lower guide routes (348) each of which interconnects the left and right running routes (364), a fluid pump (4) operable to move the fluid (200) such that levels of the fluid (200) in left and right columnar regions (292,291) of the fluid tank (2) are variable to result in generation of a buoyant force for lessening the weight of the trailing subarray (33b) so as to induce synchronized downward and upward movements of the leading and trailing subarrays (33a, 33b) , and a force-output shaft (321) coupled to the weighted members (33) by a gear train unit and revolvable to provide a high torque for a desired end use.

No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2831/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : WORD AND MONEY GAME

(51) International classification	:A63F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/913,734	<b>1)T. ASHOK SHENOY</b>
(32) Priority Date	:27/10/2010	Address of Applicant :4997 BRIARWOOD DR.,
(33) Name of priority country	:U.S.A.	MACUNGIE, PA 18062, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)T. ASHOK SHENOY</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

One example embodiment includes a method of playing a word and money game. The method includes determining an order in which players will play and distributing a pre-determined amount of money to each player. The method also includes distributing a pre-determined number of letter tiles to each player and allowing a first player to create a word using the provided letter tiles. The method further includes allowing each player in turn to build words, using the players tiles, that connect to pre-existing words and providing replacement letter tiles to each player based on the number of letter tiles used. The method also includes paying each player for any words produced.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2463/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR OPERATING A WIND TURBINE

---

(51) International classification

:F03D

(31) Priority Document No

:12/609,754

(32) Priority Date

:30/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
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(72)Name of Inventor :

**1)KRAUSS THOMAS**

(57) Abstract :

A lubrication system (200) for a wind turbine (100) is provided. The lubrication system includes a sump (204) configured to collect a lubrication fluid, and at least one heating unit (228) configured to heat the lubrication fluid based on at least one forecasted condition.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2464/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POWER MODULE ASSEMBLY WITH REDUCED INDUCTANCE

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(51) International classification

:H02M

(31) Priority Document No

:12/609,400

(32) Priority Date

:30/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BEAUPRE RICHARD ALFRED**

**2)DELGADO ELADIO CLEMENTE**

**3)STEVENOVIC LJUBISA DRAGOLJUB**

---

(57) Abstract :

A device is provided that includes a first conductive substrate (102) and a second conductive substrate (104). A first power semiconductor component (118a) having a first thickness can be electrically coupled to the first conductive substrate. A second power semiconductor component (118b) having a second thickness can be electrically coupled to the second conductive substrate. A positive terminal (142) can also be electrically coupled to the first conductive substrate, while a negative terminal (144) can be electrically coupled to the second power semiconductor component, and an output terminal (146) may be electrically coupled to the first power semiconductor component and the second conductive substrate. The terminals, the power semiconductor components, and the conductive substrates may thereby be incorporated into a common circuit loop, and may together be configured such that a width of the circuit loop in at least one direction is defined by at least one of the first thickness or the second thickness.

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/10/2010

(21) Application No.2465/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TRANSPORTABLE WIND TURBINE TOWER

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(51) International classification

:F03D

(31) Priority Document No

:12/609,510

(32) Priority Date

:30/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)BAGEPALLI BHARAT S.  
2)ZHAO RICHARD L.  
3)KARACA HUESEYIN  
4)PAURA INGO  
5)DEAN NATHANIEL S.**

(57) Abstract :

A tower (102) having a plurality of axial sections is provided. The tower includes at least one lower axial section (400, 600) having a non-circular cross-section in at least a portion thereof. The lower axial section (400, 600) is located near a bottom of the tower (102). At least one upper axial section (133) has a substantially circular cross-section in at least a portion thereof, and is located near a top of the tower (102). The tower has a cross-sectional profile that transitions from the non-circular cross-section to the substantially circular cross-section, and an outer diameter of the tower is less than a designated maximum diameter.

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2010

(21) Application No.2790/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HYDRAULIC PISTON MACHINE, IN PARTICULAR WATER HYDRAULIC MACHINE

(51) International classification	:F04B	(71)Name of Applicant :
(31) Priority Document No	:10 2009	1)DANFOSS A/S
(32) Priority Date	056 903.0	Address of Applicant :DK-6430 NORDBORG, Denmark
(33) Name of priority country	:03/12/2009	(72)Name of Inventor :
(86) International Application No	:Germany	1)THORBOEL, HANSEN, OVE
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention concerns a hydraulic piston machine, in particular a water hydraulic machine, with at least one cylinder, in which a piston (4) is arranged to reciprocate, the piston (4) comprising a hollow that is surrounded by an annular wall and has one open end. It is endeavoured to keep cavitations small. For this purpose, a filling member (13) is arranged in the hollow (12), the filling member (13) having at least a radial projection (22) and the annular wall (16) having at least a radial depression (17) in the inside facing the hollow (12), or the annular wall (16) having a radial projection and the filling member (13) having a radial depression, the depression having a restraint (19), at least at the end adjacent to the open end (18) of the hollow (12), and the projection (22) and the depression (17) engaging each other.

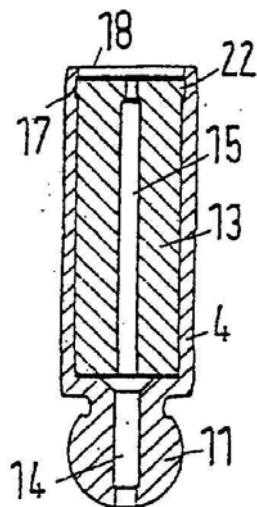


Fig.2a

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2010

(21) Application No.2856/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR THE AUTONOMOUS DRILLING OF GROUND HOLES

(51) International classification

:E21B

(31) Priority Document No

:2009905887

(32) Priority Date

:02/12/2009

(33) Name of priority country

:Australia

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TECHNOLOGICAL RESOURCES PTY. LIMITED**

Address of Applicant :120 COLLINS STREET,  
MELBOURNE VIC 3000, AUSTRALIA

**2)UNIVERSITY OF SYDNEY**

(72)Name of Inventor :

**1)MCHUGH, CHARLES**

**2)OPPOLZER, FLORIAN, ANDREAS**

---

(57) Abstract :

The present invention relates to a method and system for the autonomous drilling of ground holes by a drill rig including a drilling arrangement, comprising the step of: utilising an autonomous drilling procedure to control the drilling arrangement to drill the hole on locating the drill rig in a position where the hole is to be drilled.

No. of Pages : 36 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2010

(21) Application No.2796/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ON BOARD TOOL STORAGE STRUCTURE

(51) International classification	:B62D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-276149	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:04/12/2009	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)TAKENAKA, SHO</b>
Filing Date	:NA	<b>2)SASAYAMA, SHUTA</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An object of the present invention is to provide a convenient on-board tool storage structure, the storage structure allowing a storage location of an on-board tool to be seen easily, and allowing the on-board tool to be taken out without detaching a spare tire. The on-board tool storage structure of the present invention is formed in a supporting member 110 having a mounting surface 112 on which a spare tire 106 is mounted with such an inclination that a vehicle rear side thereof is elevated. A storage groove 114 which stores the tool therein is formed in the supporting member. A vehicle rear side end portion of the storage groove is exposed at a vehicle rear side of the spare tire. A distance along the storage groove between a position in which the storage groove starts to be exposed and a back panel 104 is shorter than the total length of the tool. A deep groove portion 114a is formed at a lower portion of the storage groove in such a manner as to be deeper toward the rear of the vehicle. The tool is configured to be taken out from the storage groove without interference with the back panel by rotating the entire tool while sliding a vehicle front side end portion of the tool along a bottom portion of the deep groove portion of the storage groove.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2010

(21) Application No.2860/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SEMICONDUCTOR DEVICE AND POWER CONVERSION APPARATUS USING THE SAME

(51) International classification	:H01L
(31) Priority Document No	:2009-275047
(32) Priority Date	:03/12/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)HITACHI LTD**

Address of Applicant :6-6, MARUNOUCHI 1-CHOME,  
CHIYODA-KU, TOKYO, JAPAN

(72)Name of Inventor :

**1)WATANABE SO**

**2)MORI MUTSUHIRO**

**3)ARAI TAIGA**

---

(57) Abstract :

A semiconductor device provides a gate electrode formed on a lateral face of a wide trench, and thereby the gate electrode is covered by a gate insulating layer and a thick insulating layer to be an inter layer. Therefore, a parasitic capacitance of the gate becomes small, and there is no potential variation of the gate since there is no floating p-layer so that a controllability of the dv/dt can be improved. In addition, the conductive layer between the gate electrodes can relax the electric field applied to the corner of the gate electrode. In consequence, compatibility of low loss and low noise and high reliability can be achieved.

No. of Pages : 46 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2931/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : FLOW SENSOR, FOR METHOD FOR MANUFACTURING FLOW SENSOR AND FLOW SENSOR MODULE

(51) International classification

:G01F

(31) Priority Document No

:2009-  
282085

(32) Priority Date

:11/12/2009

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)HITACHI AUTOMOTIVE SYSTEMS, LTD.**

Address of Applicant :2520, TAKABA, HITACHINAKASHI, IBARAKI, JAPAN

(72)Name of Inventor :

**1)KONO TSUTOMU**

**2)OKAMOTO YUUKI**

**3)MORINO TAKESHI**

**4)HANZAWA KEIJI**

(57) Abstract :

The invention provides a flow sensor structure for sealing the surface of an electric control circuit and a part of a semiconductor device via a manufacturing method capable of preventing occurrence of flash or chip crack when clamping the semiconductor device via a mold. The invention provides a flow sensor structure comprising a semiconductor device having an air flow sensing unit and a diaphragm formed thereto, and a board or a lead frame having an electric control circuit for controlling the semiconductor device disposed thereto, wherein a surface of the electric control circuit and a part of a surface of the semiconductor device is covered with resin while having the air flow sensing unit portion exposed. The invention further provides flow sensor structure in which surfaces of a resin mold, a board or a pre-mold component surrounding the semiconductor device are continuously not in contact with three walls of the semiconductor device orthogonal to a side on which the air flow sensing unit portion is disposed, or a manufacturing method for absorbing the dimensional variation of the semiconductor device by the deformation of springs or deformation of an elastic film in the thickness direction.

No. of Pages : 85 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2767/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RECORDING HEAD CONTROL METHOD AND DOT IMPACT PRINTER

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(51) International classification

:B41J

(31) Priority Document No

:2009-

(32) Priority Date

294060

:25/12/2009

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SEIKO EPSON CORPORATION**

Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME,  
SHINJUKU-KU, TOKYO 163 - 0811, JAPAN

(72)Name of Inventor :

**1)YAMADA, TAKEFUMI**

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(57) Abstract :

A recording head control method prevents head coil burnout caused by heat output while suppressing a drop in printer throughput. A control method for a recording head 18 of a dot impact printer 100 that prints information on a recording medium S by driving the recording wires 9 of a recording head 18 that has a plurality of recording wires 9 while a carriage 19 that carries the recording head 18 traverses the recording medium S, each of the recording wires 9 being allocated to printing one dot line in the scanning direction of the carriage 19, the control method including steps of: during dot line printing, determining before printing if the number of previously defined specific dot patterns P1, P2 contained in the dot line to be printed is greater than or equal to a reference number N of 2 or more; and printing the dot line based on the result of the decision.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2824/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METAL SEAL FOR BALL VALVES AND BALL VALVE COMPRISING SAID SEAL

---

(51) International classification :F16K  
(31) Priority Document No :MI2009A002115  
(32) Priority Date :01/12/2009  
(33) Name of priority country :Italy  
(86) International Application No :NA  
    Filing Date :NA  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

---

(71)**Name of Applicant :**  
**1)CESARE BONETTI S.P.A.**  
Address of Applicant :VIA CESARE BONETTI 17,  
GARBAGNATE MILANESE (MI), ITALY  
(72)**Name of Inventor :**  
**1)VALTER RICCARDI**

(57) Abstract :

Metal seal (50) for valves (10) of the ball type (30) , comprising an annular body (51) and a lip (52) for relative contact with the surface of the ball (30), which seal comprises radial grooves (53) inset in said contact lip (52).

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2010

(21) Application No.2970/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POWER CONVERTER HAVING A SWITCH COUPLED BETWEEN WINDINGS

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(51) International classification

:G05F

(31) Priority Document No

:12/648,003

(32) Priority Date

:28/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)POWER INTEGRATIONS, INC.**

Address of Applicant :5245 HELLYER AVENUE, SAN JOSE, CA 95138 U.S.A.

(72)Name of Inventor :

**1)DAVID MICHAEL HUGE MATTHEWS  
2)MATTEO UCCELLI**

(57) Abstract :

An example power converter includes a first winding, a second winding, a switch, and a controller. The second winding is magnetically coupled to the first winding. The controller is coupled to control the switch to regulate an output of the power converter in response to feedback.

No. of Pages : 78 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2010

(21) Application No.2971/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BLOW-BY GAS RECIRCULATION SYSTEM

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(51) International classification	:F02B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-285991	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:17/12/2009	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)WADA SATOSHI</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

A vehicle includes an engine mounted in an engine room with a crankshaft oriented in a width direction of the vehicle, a turbo-supercharger, an exhaust manifold, an air cleaner placed on a lateral side of the turbo-supercharger, an air intake hose connecting the turbo-supercharger and the air cleaner, and a blow-by gas recirculation system provided for the engine. The blow-by gas recirculation system includes a blow-by gas outlet provided in the engine, a blow-by gas inlet provided in the air intake hose, a blow-by gas recirculation pipe connecting the blow-by gas outlet and the blow-by gas inlet to each other. The blow-by gas recirculation pipe is provided with a heat receiver adapted to receive heat from the exhaust manifold disposed close to an end portion of the exhaust manifold, and the heat receiver and a passageway extending from the heat receiver to the blow-by gas inlet are arranged behind the air intake hose in a front-rear direction of the vehicle in a side view thereof.

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2010

(21) Application No.2972/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : APPARATUS FOR ADJUSTING HEIGHT OF VEHICLE SEAT

---

(51) International classification	:B60N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0041580	<b>1)DAS CORPORATION</b> Address of Applicant :12-34, GUEO-RI, OEDONG-EUP, GYEONGJU-SI, GYEONGSANGBUK-DO, 780-823, Republic of Korea
(32) Priority Date	:03/05/2010	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KIM, JAE-HO</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

An apparatus for adjusting the height of a vehicle seat. The apparatus includes an input shaft for inputting a torque by using a lever installed at one side of the seat; an output member connected to a link means to output the torque for adjusting the height of the seat; a clutch drum interposed between the input shaft and the output member on a torque transfer path; a torque transfer unit comprising a plurality of neighboring engagers wherein the engagers disposed at two ends of the torque transfer unit are spaced apart from each other, and wedge-combined between the input shaft and the clutch drum to transfer the torque; and an elastic member for providing an elastic restoration force for moving the torque transfer unit to its initial position. According to the present invention, since a conventional retainer may be omitted, backlash caused by a retaining clearance and an operation clearance may be prevented and thus an operational efficiency may be increased. Also, an inversely input torque applied to an output member may be weakened and thus conventional problems of a reduction in operational efficiency and generation of noise may be solved.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2762/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DIGITAL X-RAY DETECTOR ASSEMBLY

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(51) International classification	:G01T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/630,524	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:03/12/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KONKLE NICHOLAS RYAN</b>
Filing Date	:NA	<b>2)MCBROOM GARY VERNON</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

In one embodiment, a digital X-ray detector (22) is provided with a detector assembly (46) that includes a support panel (72), a digital detector array (54) with a rear side of the detector array (54) being secured to a front side of the support panel (72), a reflected light absorption layer disposed between the detector array (54) and the support panel (72), a rear shock absorbing structure secured to a rear side of the support panel (72), and a front shock absorbing structure (52) secured to a front side of the detector array (54). The digital X-ray detector further includes a shell assembly (34) surrounding the detector assembly (46) and secured to the rear shock absorbing structure.

No. of Pages : 34 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.2763/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DETECTOR ASSEMBLY OF A DIGITAL X-RAY DETECTOR

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(51) International classification

:G01T

(31) Priority Document No

:12/630,572

(32) Priority Date

:03/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

In one embodiment, a digital X-ray detector assembly (46) is provided that includes a digital detector array (54) and a support panel (72) secured to the detector array (54), wherein at least one side of the support panel (72) includes a recess exposing an edge region (118, 120) of the detector array (54).

No. of Pages : 33 No. of Claims : 8

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)KONKLE NICHOLAS RYAN**

**2)MCBROOM GARY VERNON**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2828/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ADD INSTRUCTIONS TO ADD THREE SOURCE OPERANDS

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)INTEL CORPORATION</b> Address of Applicant :2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CA 95052, U.S.A.
(31) Priority Document No	:12/645,334	(72) <b>Name of Inventor :</b>
(32) Priority Date	:22/12/2009	<b>1)GOPAL VINODH</b>
(33) Name of priority country	:U.S.A.	<b>2)GUILFORD, JAMES, D.</b>
(86) International Application No	:NA	<b>3)WOLRICH, GILBERT, M.</b>
Filing Date	:NA	<b>4)FEGHALI WAJDI, K.</b>
(87) International Publication No	:NA	<b>5)OZTURK, ERDINC</b>
(61) Patent of Addition to Application Number	:NA	<b>6)DIXON, MARTIN, G.</b>
Filing Date	:NA	<b>7)MIRKES, SEAN, P.</b>
(62) Divisional to Application Number	:NA	<b>8)TOLL, BRETT, L.</b>
Filing Date	:NA	<b>9)LOKTYUKHIN, MAXIM</b>
		<b>10)DAVIS, MARK, C.</b>
		<b>11)FARCY, ALEXANDRE</b>

(57) Abstract :

A method in one aspect may include receiving an add instruction. The add instruction may indicate a first source operand, a second source operand, and a third source operand. A sum of the first, second, and third source operands may be stored as a result of the add instruction. The sum may be stored partly in a destination operand indicated by the add instruction and partly a plurality of flags. Other methods are also disclosed, as are apparatus, systems, and instructions on machine-readable medium.

No. of Pages : 42 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2829/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : BIT RANGE ISOLATION INSTRUCTIONS, METHODS, AND APPARATUS

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)INTEL CORPORATION</b> Address of Applicant :2200 MISSION COLLEGE BLVD., M/S: RNB4-150, SANTA CLARA, CA 95052, U.S.A.
(31) Priority Document No	:12/645,307	
(32) Priority Date	:22/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:U.S.A.	<b>1)LOKYUKHIN, MAXIM</b>
(86) International Application No	:NA	<b>2)MAHURIN, ERIC</b>
Filing Date	:NA	<b>3)TOLL, BRET, L.</b>
(87) International Publication No	:NA	<b>4)DIXON, MARTIN, G.</b>
(61) Patent of Addition to Application Number	:NA	<b>5)KREITZER, DAVID, L.</b>
Filing Date	:NA	<b>6)OULD-AHMED-VALL, EL, MOUSTAPHA</b>
(62) Divisional to Application Number	:NA	<b>7)GOPAL VINODH</b>
Filing Date	:NA	<b>8)MIRKES, SEAN, P.</b>
		<b>9)NA</b>

(57) Abstract :

Receiving an instruction indicating a source operand and a destination operand. Storing a result in the destination operand in response to the instruction. The result operand may have: (1) first range of bits having a first end explicitly specified by the instruction in which each bit is identical in value to a bit of the source operand in a corresponding position; and (2) second range of bits that all have a same value regardless of values of bits of the source operand in corresponding positions. Execution of instruction may complete without moving the first range of the result relative to the bits of identical value in the corresponding positions of the source operand, regardless of the location of the first range of bits in the result. Execution units to execute such instructions, computer systems having processors to execute such instructions, and machine-readable medium storing such an instruction are also disclosed.

No. of Pages : 40 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2010

(21) Application No.2988/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POSITION DETECTION APPARATUS

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(51) International classification	:G06K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-049743	<b>1)WACOM CO., LTD.</b> Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN
(32) Priority Date	:05/03/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)YASUO ODA</b> <b>2)YOSHIHISA SUGIYAMA</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

A position detection apparatus is provided, which includes a plurality of position detection systems such as an electromagnetic-type position detection system and a capacitive-type position detection system. The apparatus is configured to select a transmission conductor among a plurality of transmission conductors in a first position detection system, and to select a reception conductor among a plurality of reception conductors in a second position detection system, so as to increase the spatial distance between the selected transmission conductor in the first position detection system and the selected reception conductor in the second position detection system as much as possible, to thereby reduce interference. Further, a relationship of frequency interleave may be provided between a transmission signal to be supplied to the transmission conductor in the first position detection system and another transmission signal to be supplied to the transmission conductor in the second position detection system.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2010

(21) Application No.2711/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD TO DETERMINE STERILIZATION OF A DEVICE

---

(51) International classification

:A61L

(31) Priority Document No

:61/261,539

(32) Priority Date

:16/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A system and method for verifying the occurrence of an environmental condition is disclosed. Rather than store information concerning the occurrence and/or success of the sterilization process, the present invention modifies the wireless transmission characteristics of the device. In some embodiments, the bandwidth of the wireless transceiver is altered as a result of undergoing sterilization. In other embodiments, the resonance frequency of the circuit is affected. In other embodiments, one or more of these parameters are affected based on other environmental conditions, such as shock or vibration.

No. of Pages : 28 No. of Claims : 18

(71)Name of Applicant :

**1)MILLIPORE CORPORATION**

Address of Applicant :290 CONCORD ROAD, BILLERICA,  
MASSACHUSETTS 01821, U.S.A.

(72)Name of Inventor :

**1)AARON BURKE**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2010

(21) Application No.2713/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : DEVICE FOR UNIVERSALLY HONING RUNNING SURFACES ON ROLLING BEARING RACES AND HONING STONE HOLDER FOR THIS DEVICE.

(51) International classification	:B24B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2010 036 470.3	<b>1)THIELENHAUS TECHNOLOGIES GMBH</b> Address of Applicant :SCHWESTERSTRASSE 50, 42285 WUPPERTAL, GERMANY
(32) Priority Date	:16/07/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)DIPLO.-ING, SIEGFRIED HESSE</b> <b>2)SEBASTIAN REITMANN</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention pertains to a device (1) for honing running surfaces on rolling bearing races, particularly for large-size bearings. The device (1) comprises a base body (5) that is pivotally mounted on a carrier (4), an NC-controlled servo drive (7) that serves for generating pivoting motions of the base body (5) about the pivoting axis (8) and is mounted on the carrier (4) and functionally connected to the base body (5), at least one tool base carrier (9) that is guided on the base element (5) such that it can be moved along a linear axis (10) aligned orthogonal to the pivoting axis (8), and a drive (11) that is mounted on the base body (5) and serves for generating oscillatory motions of the tool base carrier (9). The tool base carrier (9) features an adjusting device (12) with a tool connecting element (13) that can be adjusted orthogonal to the linear axis (10) of the tool base carrier (9), wherein a honing stone holder (6, 6) is detachably mounted on the tool connecting element in the form of an interchangeable part.

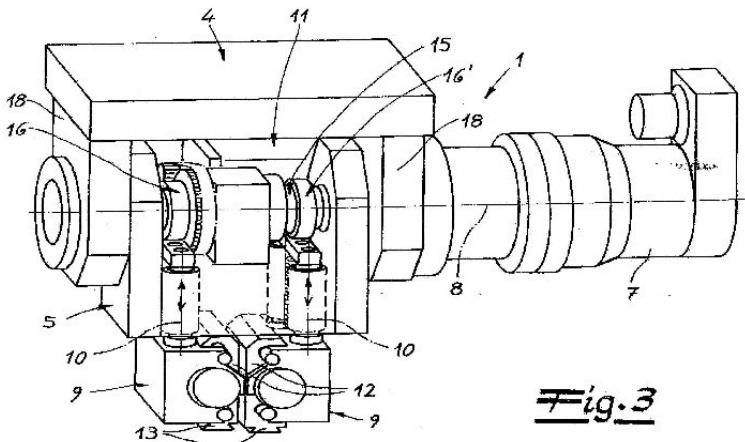


Fig.3

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2010

(21) Application No.2781/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FLOW THROUGH PURIFICATION PROCESS FOR LARGE BIOMOLECULES

---

(51) International classification

:C12N

(31) Priority Document No

:61/284,638

(32) Priority Date

:16/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)MILLIPORE CORPORATION**

Address of Applicant :290 CONCORD ROAD, BILLERICA,  
MASSACHUSETTS 01821, U.S.A.

(72)Name of Inventor :

**1)GANAPATHYSUBRAMANIAN IYER**

**2)SENTHIL RAMASWAMY**

**3)KWEK-SHUN CHANG**

---

(57) Abstract :

The present invention relates, at least in part, to novel and improved flow- through purification processes for separating large biomolecules, such as, for example, encapsulated viruses, virus-like particles and conjugate vaccines from one or more contaminants in a sample, where the process employs the use of at least one population of a solid porous particle which comprises a minimized external surface area per unit volume of the particles and an internal surface area per unit volume which is not decreased by more than 25% relative to a population of a similar particle which does not have a minimized external surface area.

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2010

(21) Application No.2993/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR ASSEMBLING A BORE REPAIR ASSEMBLY FOR USE IN A WIND TURBINE

(51) International classification	:B23B
(31) Priority Document No	:12/651,078
(32) Priority Date	:31/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)SMITH ALISTAIR JEFFREY**

**2)JONES DOUGLAS JEROME**

**3)PLUMMER JEREMY CLAYTON**

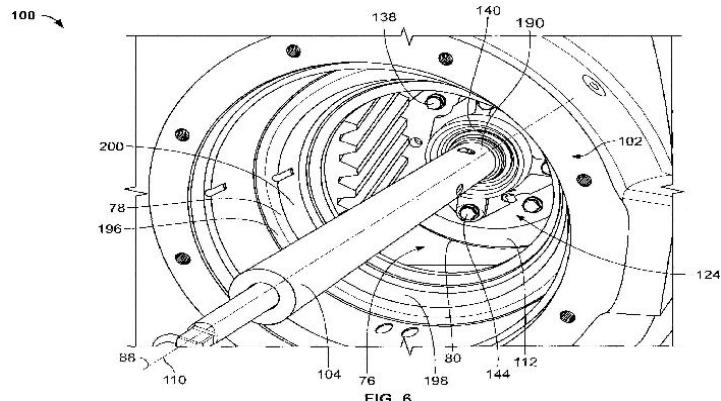
**4)MADGE JAMES HENRY**

**5)MARDSEN KEITH ALAN**

**6)DEMO WAYNE ALAN**

(57) Abstract :

A bore repair assembly (100) for repairing a gearbox assembly (46) of a wind turbine (10), the gearbox assembly defining a first bearing bore (76) and a second bearing bore (78) coaxially aligned with the first bearing bore to define a central bearing axis is provided. The bore repair assembly includes a first support assembly (102) adapted to be coupled with respect to the second bearing bore, a boring bar (104) rotatably coupled to the first support assembly, the boring bar positioned coaxially with the first bearing bore and the second bearing bore, and a boring bar drive assembly (108) coupled to the boring bar for rotating the boring bar about the central bearing axis.



No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2010

(21) Application No.2786/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SEALING STRUCTURE FOR COOLING ASSEMBLY ARRANGED IN THE ENGINE COMPARTMENT AND CORRESPONDING ENGINE HOOD MEANS

(51) International classification

:E05C

(31) Priority Document No

:200920273026.8

(32) Priority Date

:27/11/2009

(33) Name of priority country

:China

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CATERPILLAR PAVING PRODUCTS INC.**

Address of Applicant :9401 85TH AVENUE NORTH,  
MINNEAPOLIS, MINNESOTA 55445, U.S.A.

(72)Name of Inventor :

**1)OKIMOTO, TODD**

**2)SHEN, WEI**

**3)LIU, ZHENBIN**

**4)LIU, GENGXIN**

**5)HE, YUXIA**

**6)ZHANG, PEIXANG**

---

(57) Abstract :

The present utility model discloses a sealing structure for cooling assembly arranged in the engine compartment. The cooling assembly comprises a heat exchanger, wherein the sealing structure is disposed on a flow path of air cooling the heat exchanger of the cooling assembly and is configured to seal a gap between the cooling assembly and the inner surface of the engine hood to direct air flowing towards the gap into the heat exchanger, characterized in that the sealing structure is secured to the inner surface of the hood. The sealing structure is capable of fully preventing air passing through the engine compartment without flowing through the heat exchanger of the cooling assembly, thus cooling efficiency of the cooling assembly being greatly improved. The present utility model further relates to engine hood means having the sealing structure.

No. of Pages : 16 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2010

(21) Application No.2787/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR MAKING A GLASS SHEET WITH CONTROLLED HEATING

(51) International classification

:C03B

(31) Priority Document No

:61/265,003

(32) Priority Date

:30/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

A method and apparatus for forming a glass sheet using a fusion down-draw process, wherein the heating powers of the heating elements are managed such that in case of a failure of one heating element, the heating power of the adjacent heating element is immediately increased. The method decreases the thermal stress the forming body is exposed to due to the failure of the heating element.

No. of Pages : 21 No. of Claims : 10

(71)Name of Applicant :

**1)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING,  
NEW YORK 14831, U.S.A.

(72)Name of Inventor :

**1)ADAM C. BERKEY**

**2)NIKOLAY A. PANIN**

**3)EUNYOUNG PARK**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2924/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MOTOR STAND OF A PRIMARY MOTOR-DRIVEN PUMP UNIT OF A PRESSURISED WATER NUCLEAR REACTOR

(51) International classification	:F04B
(31) Priority Document No	:09/58743
(32) Priority Date	:08/12/2009
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)JSPM

Address of Applicant :27 RUE DE L'INDUSTRIE, 59460 JEUMONT, FRANCE

(72)Name of Inventor :

1)OLIVIER PHILIPPART

(57) Abstract :

The present invention concerns a motor stand (20) of a primary motor-driven pump unit of a pressurized water nuclear reactor comprising an upper flange (21) and fixing means (10) suited to ensure the fixing of transverse holding means (60) of the said primary motor-driven pump unit, the said primary motor-driven pump unit comprising an electric motor (30) having a lower flange (31) suited to be integrated with the said upper flange (21) of the said motor stand (20). The motor stand (20) is characterized in that the said fixing means (10) comprise an annular element (50) resting on the said upper flange (21) of the said motor stand (20) suited to be flanged between the said upper flange (21) of the said motor stand (20) and the said lower flange (31) of the said motor (30), the said fixing means (10) comprising at least one radial excrescence in which there is arranged a space suited to receive the said holding means (60). Figure 2.

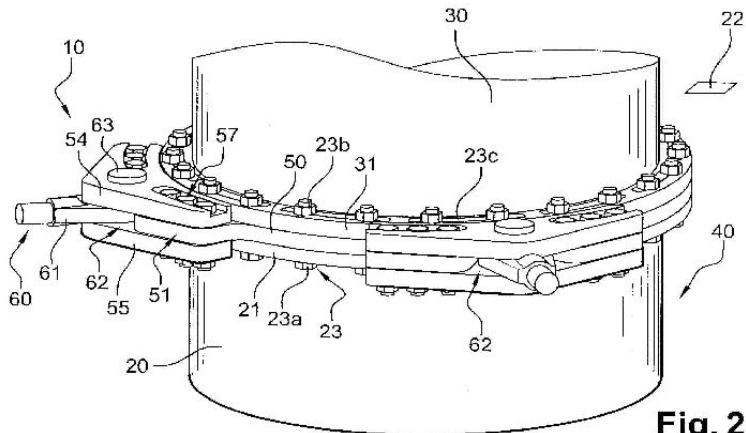


Fig. 2

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2010

(21) Application No.3001/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HEAT-CURABLE ADHESIVE COMPOSITION

---

(51) International classification

:C09J

(31) Priority Document No

:09.06194

(32) Priority Date

:21/12/2009

(33) Name of priority country

:France

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)BOSTIK S.A.**

Address of Applicant :16-32 RUE HENRI REGNAULT, LA  
DEFENSE 6, 92400 COURBEVOIE, FRANCE

(72)Name of Inventor :

**1)LAFERTE, OLIVIER**

**2)GOUBARD, DAVID**

(57) Abstract :

1) Heat-curable adhesive composition comprising: - from 20 to 85% of a polyether (A) comprising 2 hydrolysable alkoxy silane-type end groups, having a viscosity, measured at 23°C, ranging from 25 to 40 Pa.s and of formula in which: - R1 and R2 represent an alkyl radical having 1 to 4 carbon atoms; - R3 represents a linear alkylene radical having 1 to 6 carbon atoms; - R4 represents an alkylene radical having 1 to 4 carbon atoms; - n is an integer such that the number-average molecular weight Mn of the polymer of formula (I) is between 20 kDa and 40 kDa; - p is an integer equal to 0, 1 or 2; - from 15 to 80% of a compatible tackifying resin (B); and - from 0.01 to 3% of a curing catalyst (C). 2) Self-adhesive support coated with the cured adhesive composition. 3) Use for the manufacture of self-adhesive labels and/or tapes.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2010

(21) Application No.2667/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : BALL THROWING DEVICE

(51) International classification

:A63B

(31) Priority Document No

:0919549.6

(32) Priority Date

:09/11/2009

(33) Name of priority country

:U.K.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)FRANCIS THOROGOOD**

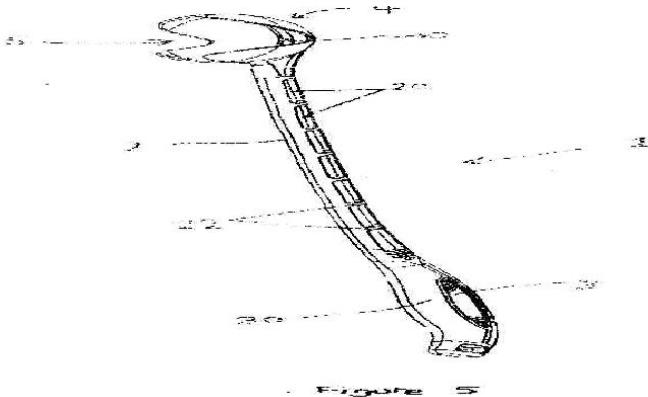
Address of Applicant :NEW ROLLESTONES FARM,  
MARGARETTING ROAD, WRITTLE, ESSEX, UNITED  
KINGDOM

(72)Name of Inventor :

**1)FRANCIS THOROGOOD**

(57) Abstract :

A cricket ball throwing device (1) comprises a shaft (2), a handle means (3), and a gripping means (4) adapted to receive, grip and release a cricket ball. The Shaft may be curved and flexible. The gripping means may take the form of a cup defining a partial sphere and an opening (5), and having internal dimensions similar to the external dimensions of a cricket ball. The cup may further be adapted to accommodate the seam of the cricket ball. The angle between the cup and the shaft may be selected such that, in use, a cricket ball is thrown with a suitable trajectory to bounce at a required length from the thrower. The moment and flex of the Shaft may be selected to allow the velocity of the cricket ball to be similar to that experienced during a match situation.



No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2669/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMPROVED ELASTIC BLENDS OF HIGH DENSITY POLYETHYLENE POLYMERS WITH OLEFINIC BLOCK COPOLYMERS

(51) International classification	:C08J
(31) Priority Document No	:12/688127
(32) Priority Date	:15/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)TREDEGAR FILM PRODUCTS CORPORATION**

Address of Applicant :1100 BOULDER PARKWAY  
RICHMOND VIRGINIA 23225 UNITED STATES U.S.A.

(72)**Name of Inventor :**

**1)PEACOCK, ANDREW J**

(57) Abstract :

Blends of ethylene/a-olefin block interpolymers and high density polyethylene polymers are disclosed and include an ethylene/a-olefin block interpolymer produced using a chain shuttling catalyst and a high density polyethylene polymer having a density of greater than about 0.940 g/cm<sup>3</sup>. The polymer blends are particularly suited for making films.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.2729/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : WRENCH

(51) International classification	:B25B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:098144555	<b>1)ADVANCE TEAM POWER INC.</b>
(32) Priority Date	:23/12/2009	Address of Applicant :1F, NO. 35, JINGCHENG 30TH ST., WEST DIST., TAICHUNG CITY 40359, TAIWAN (R.O.C.)
(33) Name of priority country	:Taiwan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)LIN, CHUN-LANG</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wrench includes a driving head, an axle hole formed at an end of the driving head, an accommodating portion disposed in the axle hole for accommodating pawls, a control ring contained in the axle hole and having an end extended out of the axle hole and coupled to a wrench handle, and a ratchet section and a smooth section defined on an external periphery of the control ring, and the ratchet section is provided for latching the pawls to define a fixed state of latching the wrench handle with the driving head and can be rotated into a secured status, and the smooth section is provided for pushing the pawls to release the fixed state of latching the control ring, so as to allow the wrench handle to be turned with respect to the driving head for a quick rotation.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2010

(21) Application No.2798/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LOWER STRUCTURE OF VEHICLE BODY REAR PART

(51) International classification	:B62D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-268720	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(32) Priority Date	:26/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)ASOU, MASAHIRO</b> <b>2)SOUWA, TAKAYUKI</b> <b>3)NISHIDA, NORIO</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A lower structure of a vehicle body rear part includes a spare tire housing 3 formed on a rear floor 2, a rear cross member 5 disposed in front of the spare tire housing 3 to connect side frames 4, and a hook reinforcing member 6 extending in the vehicle longitudinal direction. The side frame 4 at the vehicle rear of the rear cross member 5 is divided into a frame front part 11 and a frame rear part 12 in the vehicle longitudinal direction, and the hook reinforcing member 6 is divided into a reinforcing member front part 21 and a reinforcing member rear part 22 in the vehicle longitudinal direction. The lower structure is configured so that when a load F is applied from the vehicle rear to a vehicle body rear part 1, the side frame 4 is deformed so as to be bent in an upward convex shape at a division position 10 of the frame front part 11 and the frame rear part 12, and also the rear floor 2 and the hook reinforcing member 6 are deformed so as to be bent in a downward convex shape at a division position 20 of the reinforcing member front part 21 and the reinforcing member rear part 22.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3007/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MULTI-HEAD, MULTI-NEEDLE EMBROIDERY MACHINE, MULTI-NEEDLE HEAD FOR SUCH A MACHINE, THREAD CUTTER ELEMENT AND THREAD CUTTER FOR SUCH A MACHINE

(51) International classification	:D05C
(31) Priority Document No	:01961/09
(32) Priority Date	:18/12/2009
(33) Name of priority country	:Switzerland
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)LAESSER AG

Address of Applicant :HOHENEMSERSTRASSE 17, 9444  
DIEPOLDSAU, SWITZERLANDS

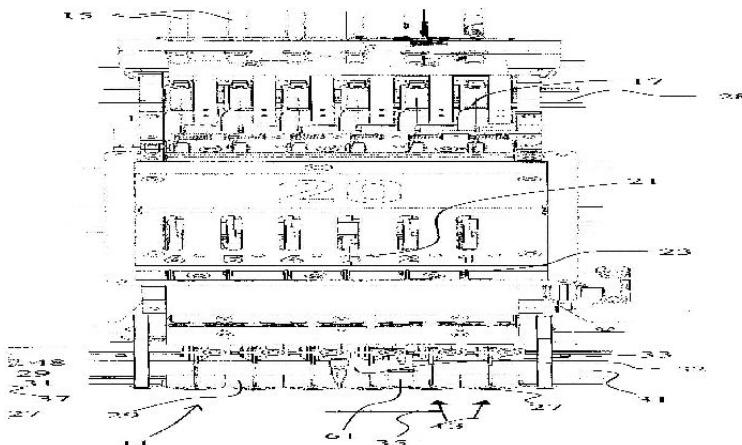
(72)Name of Inventor :

1)FRANZ LAESSER

2)HANNO NUSSBAUMER

(57) Abstract :

The invention concerns a multi-head, multi-needle embroidery machine with at least one multi-needle head (11). The multi-needle head (11) with a multiplicity of needle positions (13) is formed on a carrier structure (59) and has parts which can move in relation to the carrier structure. An embroidery drive for a needle position (13) or the working needle positions is arranged on the carrier structure (59). At each needle position (13) stitch-forming elements are formed such as needle tappets for the needle and thread balancing unit (21, 23). The needle positions (13) can be moved in relation to the carrier structure (59) and the embroidery drive into an active position in engagement with the embroidery drive and a passive position out of engagement with the embroidery drive. In such a multi-head, multi-needle embroidery machine according to the invention, at each needle position (13) of the multi-needle head (11) a thread cutter (27) is formed. Each thread cutter (27) comprises a clamping device (45, 47) for the thread (10). (Fig. 4)



No. of Pages : 36 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2626/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ARRANGEMENT AND METHOD TO RETROFIT A WIND TURBINE

(51) International classification

:F03D

(31) Priority Document No

:EP10156339

(32) Priority Date

:12/03/2010

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SIEMENS AKTIENGESELLSCHAFT**

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

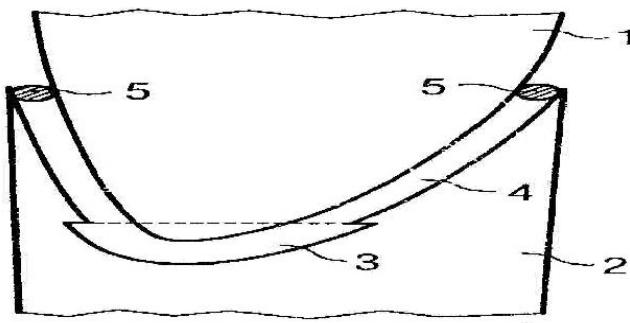
**1)STEGE; JASON**

**2)STIESDAL; HENRIK**

**3)WINTHER-JENSEN; MARTIN**

(57) Abstract :

A blade of the wind turbine is prepared to be connected with the hub of the wind turbine. An extension unit is designed and prepared to elongate the blade. The extension unit is connected with the tip of the blade by a pressure, which is applied between the tip of the blade and the extension unit. The applied pressure is a low-pressure in relation to the ambient barometric pressure. FIG 1



**FIG 1**

No. of Pages : 11 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2627/DEL/2010 A

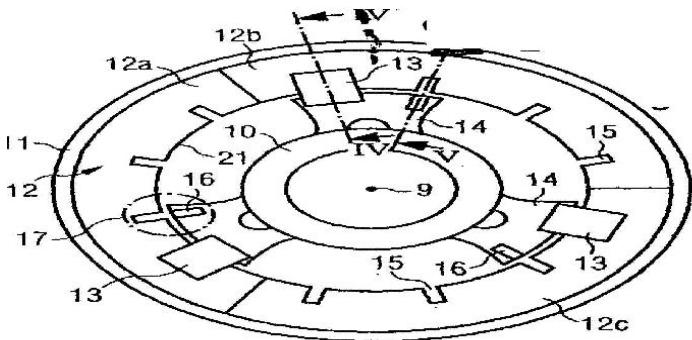
(43) Publication Date : 04/10/2013

(54) Title of the invention : BRAKE SYSTEM, GENERATOR AND WIND TURBINE

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP09014766	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:26/11/2009	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EPO	MUNCHEN, GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ERIKSEN; UFFE</b>
(87) International Publication No	:NA	<b>2)VENG; JENS ANTON AGERSKOV</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A brake system, especially for a generator (6), comprising a rotor assembly (8), a stator assembly (7) and a rotation axis (9) is disclosed. The rotor assembly (8) comprises an outer portion (11) which is located radially outward of the stator assembly (7). The outer portion (11) comprises a brake disc (12), and the stator assembly (7) comprises at least one frictional member (13) operatively configured for frictionally engaging at least a portion of the brake disc (12). Figure 3



**FIG 3**

No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2680/DEL/2010 A

(43) Publication Date : 04/10/2013

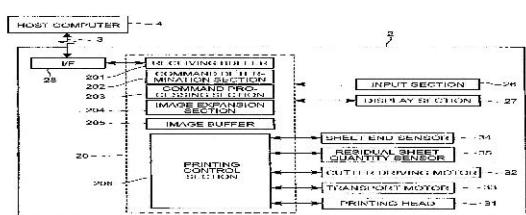
(54) Title of the invention : RECORDING CONTROL DEVICE, RECORDING APPARATUS, METHOD OF CONTROLLING RECORDING APPARATUS, AND RECORDING MEDIUM

(51) International classification	:G06K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-258073	<b>1)SEIKO EPSON CORPORATION</b> Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME, SHINJUKU-KU, TOKYO 163-0811, JAPAN
(32) Priority Date	:11/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KASAI, YUICHIRO</b> <b>2)KOIKE, TOSHIAKI</b> <b>3)SAIKAWA, TAKASHI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A recording control device controls a recording mechanism section which performs recording on a recording medium by a recording head. An image expansion section expands data input from the outside to create image data for recording. An image buffer memory temporarily stores the image data created by the image expansion section. A recording control section reads the image data stored in the image buffer memory, and controls the recording mechanism section to record the read image data on the recording medium by the recording head. The recording control section controls a recording speed of the recording mechanism section on the basis of a creation speed of the image data in the image expansion section.

FIG. 2



No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2681/DEL/2010 A

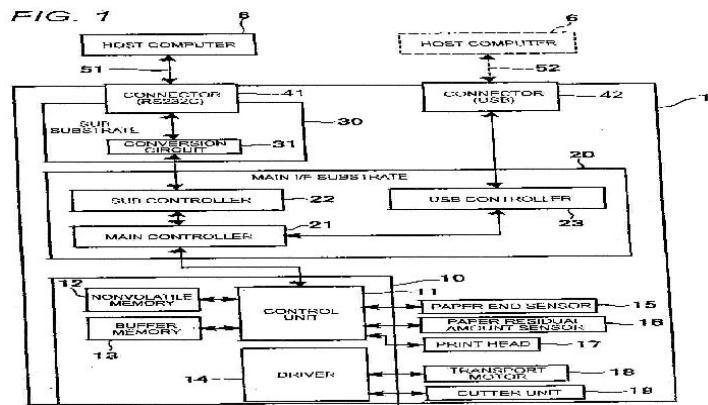
(43) Publication Date : 04/10/2013

(54) Title of the invention : ELECTRONIC DEVICE AND CONTROL METHOD THEREOF

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-	<b>1)SEIKO EPSON CORPORATION</b>
	257796	Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME,
(32) Priority Date	:11/11/2009	SHINJUKU-KU, TOKYO 163-0811, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MIYASAKA, MASAYO</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electronic device is connectable to an external device. An interface substrate is detachably connected to a main substrate. A first interface is installed on the interface substrate, and the first interface is connectable to the external device. A second interface is installed on the main substrate, and the second interface is connectable to the external device. A selection unit selects one interface of the first interface on the interface substrate and the second interface on the main substrate. A communication unit communicates information with the external device through the interface selected by the selection unit. At least one of the first interface and the second interface is configured to detect a connection state to the external device. The selection selects an interface which is designated or preferentially selects an interface which detects a connection to the external device.



No. of Pages : 36 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3013/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHODS FOR A SEAMLESS VISUAL PRESENTATION OF A PATIENT'S INTEGRATED HEALTH INFORMATION

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/647,753	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:28/12/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)SHUKLA MONICA HARIT</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Systems (100, 200) and methods (300) provide visual presentation of clinical evidence to a user in association with a patients anatomy. In certain examples, a patient information interface system (100, 200) to present an aggregated, graphical view of patient anatomy and history includes a data store (220, PI 15, P120) to include images and patient history information and a processor (210, P105) to implement a user interface (100, 230) to accept user input. The processor (210, P105) provides a plurality of graphical representations (131-134) of a human anatomy. Each graphical anatomy representation (131-134) is to provide a view of a body system. Each graphical anatomy representation (131-134) is to include one or more indicators (135-139) corresponding to clinical events that have occurred in connection with a patient in the body system and are viewable through the graphical anatomy representation (131-134). Each of the one or more indicators (135-139) is to be located at an anatomical location on the graphical representation (131-134) affected by the clinical event corresponding to the indicator.

No. of Pages : 31 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.2731/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : GLASS ANTENNA AND WINDOW GLASS FOR VEHICLE

(51) International classification	:H01Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-262187	<b>1)ASAHI GLASS COMPANY, LIMITED</b> Address of Applicant :5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8405 Japan
(32) Priority Date	:17/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)OSHIMA, KIYOSHI</b> <b>2)TABATA, KOJI</b> <b>3)KOGA, YASUHIRO</b> <b>4)NOBUOKA, KIYOSHI</b> <b>5)KITADE, SOTARO</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A glass antenna for a vehicle on or in a window glass including a defogger having a plurality of heater wires that run in parallel, the glass antenna includes: an antenna conductor; a first feeding portion; and a second feeding portion adjacent to the first feeding portion, wherein; the antenna conductor includes a first antenna conductor, which extends clockwise with the first feeding portion as a starting point, and a second antenna conductor, which extends counterclockwise at the outside of the first antenna conductor with, the second feeding portion as a starting point, and the second antenna conductor includes a first element extending between the first antenna, conductor and the defogger.

No. of Pages : 60 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.2732/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR THE LATERAL GUIDANCE OF A VEHICLE, IN PARTICULAR A COMMERCIAL VEHICLE, AND ALSO LATERAL GUIDANCE SYSTEM

(51) International classification

:G01S

(31) Priority Document No

:10 2009

053 748.1

(32) Priority Date

:18/11/2009

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

The invention relates to a method for the lateral guidance of a vehicle, in particular a commercial vehicle, which vehicle is equipped with a lateral guidance system for active lateral guidance, which system, dependent on detected roadway parameters, pre-sets a desired trajectory along which the vehicle is moved in a lane. According to the invention, the lateral guidance system determines and/or detects at least one defined track groove parameter as actual track groove value for the pre-set lane in each case and compares it with at least one pre-set desired track groove value, such that upon a defined deviation of the actual track groove value from the desired track groove value the desired trajectory is modified such that the wheels of the vehicle are guided substantially within the track grooves (2, 3) of the lane. Furthermore, the invention claims a lateral guidance system suitable for carrying out the method. [Fig. 1]

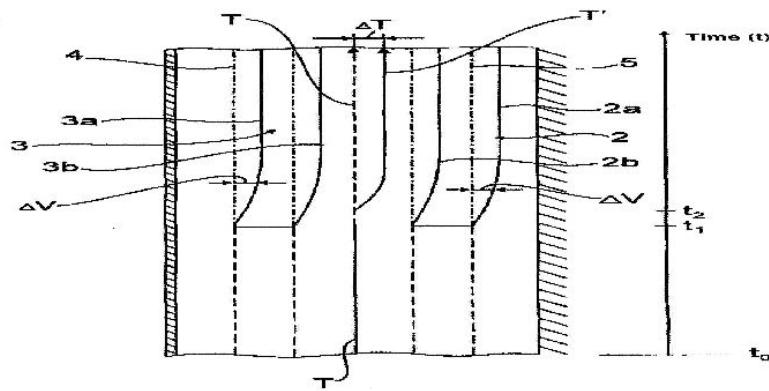


FIG. 1

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2935/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD OF SYNCHRONIZING A TURBOMACHINE GENERATOR TO AN ELECTRICAL GRID

(51) International classification	:F02N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/646,006	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:23/12/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MATERS JOHN C.</b>
Filing Date	:NA	<b>2)CUNNINGHAM JOHN N.</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An embodiment of the present invention may seek to match the generator (145) and grid (155) voltages before the powerplant machine (100) reaches the grid matching speed during the start-up process. An embodiment of the present invention may provide a predictive algorithm (365), or the like, to control the acceleration rate of the powerplant machine (100) to target a particular phase angle differential between the powerplant machine (100) and the grid (155) when the powerplant machine (100) reaches the grid matching speed. Here, the phase angle difference may be targeted such that a generator breaker may be closed immediately after the powerplant machine (100) accelerates beyond the grid matching speed. This may avoid the generator (145) experiencing a phase angle differential, which may add to the power transient associated with the generator breaker closure.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3017/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE

(51) International classification

:C08K

(31) Priority Document No

:61/284,638

(32) Priority Date

:22/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)DOW GLOBAL TECHNOLOGIES, INC.**

Address of Applicant :2040 DOW CENTER, MIDLAND,  
MICHIGAN 48674, U.S.A.

**2)ANGUS CHEMICAL COMPANY**

(72)Name of Inventor :

**1)ASGHAR AKBER PEERA**

**2)IAN TOMLINSON**

---

(57) Abstract :

A new class of compounds, namely diamino alcohols, is described, along with a process for their production and their use as dispersing additives for coating formulations.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3018/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EPOXY RESINS

(51) International classification	:C08K
(31) Priority Document No	:61/284,637
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)DOW GLOBAL TECHNOLOGIES, INC.**

Address of Applicant :2040 DOW CENTER, MIDLAND,  
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**2)ANGUS CHEMICAL COMPANY**

**(72)Name of Inventor :**

**1)ASGHAR AKBER PEERA**

**2)IAN TOMLINSON**

**(57) Abstract :**

A new class of compounds, namely diamino alcohols, is described, along with a process for their production and their use as hardeners, or curing agents, for epoxy resin systems, some of which have high glass transition temperatures, Tgs, such as greater than about 120°C.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.2674/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYSTEM FOR TRIGGERING AN EMERGENCY SYSTEM OF A WIND TURBINE

(51) International classification	:F03D
(31) Priority Document No	:EP09015864
(32) Priority Date	:22/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIEMENS AKTIENGESELLSCHAFT**

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

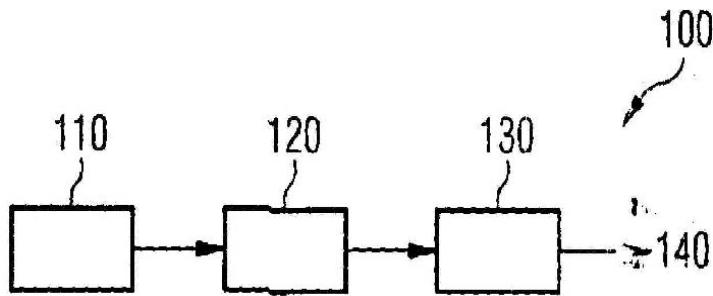
**1)EGEDAL; PER**

**2)KJAER; OLE**

**3)LUND; MOGENS**

(57) Abstract :

System for triggering an emergency system of a wind turbine It is described a system for triggering an emergency system of a wind turbine. The system comprises a sensor for sensing an acceleration value of a portion of the rotor of the wind turbine, an estimation unit coupled to the sensor, wherein the estimation unit is adapted for receiving the acceleration value from the sensor and for estimating a rotor rotational speed value of the rotor of the wind turbine based on the acceleration value, and a triggering unit coupled to the estimation unit, wherein the triggering unit is adapted for receiving the rotor rotational speed value and for triggering the emergency system, if the rotor rotational speed value exceeds a predefined limit value. It is further described a method for triggering an emergency system of a wind turbine, a wind turbine, a computer program and a computer-readable medium, which are all adapted for carrying out the triggering method.



**FIG-1**

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.2872/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BIT HOLDER AND BASE PART

(51) International classification	:E21C
	:10 2009
(31) Priority Document No	059 188.5-
	24
(32) Priority Date	:17/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)WIRTGEN GMBH**

Address of Applicant :REINHARD-WIRTGEN-STR. 2,  
53578 WINDHAGEN, GERMANY

(72)Name of Inventor :

**1)THOMAS LEHNERT**

**2)KARSTEN BUHR**

**3)CYRUS BARIMANI**

**4)GUENTER HAEHN**

---

(57) Abstract :

The invention relates to a bit holder having an insertion projection and having a holding projection, the holding projection comprising a bit receptacle, and the holding projection protruding at least locally from or beyond the insertion projection in the tool feed direction. A bit holder of this kind is designed in service-life-optimized fashion by the fact that the holding projection comprises a supporting segment having a rigid, shaped-on supporting surface that is arranged at least locally in front of the insertion projection in the feed direction. The invention further relates to a base part for receiving an aforementioned bit holder.

No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.2874/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BIT HOLDER AND BASE PART FOR RECEIVING A BIT HOLDER

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(51) International classification	:E21C :10 2009	(71) <b>Name of Applicant :</b> <b>1)WIRTGEN GMBH</b> Address of Applicant :REINHARD-WIRTGEN-STR. 2, 53578 WINDHAGEN, GERMANY
(31) Priority Document No	059 189.3- 24	(72) <b>Name of Inventor :</b> <b>1)THOMAS LEHNERT</b> <b>2)KARSTEN BUHR</b> <b>3)CYRUS BARIMANI</b> <b>4)GUENTER HAEHN</b>
(32) Priority Date	:17/12/2009	
(33) Name of priority country	:Germany	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

The invention relates to a bit holder having an insertion projection and having a holding projection having a bit receptacle, the insertion projection comprising a bearing segment and the holding projection comprising a supporting segment. In order to allow the bit holder to be braced in permanent and stable fashion with respect to a base part, provision is made according to the present invention that the supporting segment and/or the bearing segment comprise two supporting surfaces and bearing surfaces, respectively, arranged at an angle to one another; and that the longitudinal center axis of the bit receptacle and the longitudinal axis of the insertion projection enclose an obtuse angle.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3023/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STRAPLESS NASAL INTERFACE DEVICE

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(51) International classification	:A61M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12641094	<b>1)VENKATA BUDDHARAJU</b>
(32) Priority Date	:17/12/2009	Address of Applicant :1504 GOOD AVE., PARK RIDGE, ILLINOIS, 60068 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)VENKATA BUDDHARAJU</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A strapless nasal interface device is disclosed. The device is used in conjunction with CPAP, BIPAP, ventilators, or any other suitable device. The device includes a body with a passageway to a ventilating tube, exhalation holes, and a passageway to nostril interface tubes. The nostril interface tubes include a nasal interface element which is an expandable, compressible material such that the user can compress the element, insert it into the end of the nostril and allow it to expand to hold the tube in place. Alternatively, the nasal interface elements are held against the outer edge of the nostrils. Optionally, a skirt is included at the outer side of the nostril to aid in sealing against air leaks. Optionally, flaps are included to assist in holding the device in place, such as side flaps, a front flap, or both. The front flap may be adherable to the exterior of the nose and optionally includes resilient strips to open the nasal passageway. Alternatively, a nose cover is adhered to the nose and side attachment flaps secure the device to the nose cover. Thus, the device requires no additional straps or headgear in order to maintain the device in operable position during sleep.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2010

(21) Application No.2552/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MULTI-HEAD EMBROIDERY MACHINE AND CLAMPING FRAME FOR THIS

(51) International classification	:D05C	(71)Name of Applicant :
(31) Priority Document No	:01642/09	1) <b>LAESSER AG</b>
(32) Priority Date	:26/10/2009	Address of Applicant :HOHENEMSERSTRASSE 17, 9444 DIEPOLDSAU, SWITZERLAND
(33) Name of priority country	:Switzerland	(72)Name of Inventor :
(86) International Application No	:NA	1) <b>FRANZ LAESSER</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multi-head multi-needle embroidery machine has a plurality of embroidery heads and for each embroidery head a plurality of needle positions. The needle positions are arranged on a carrier so that they can be displaced laterally relative to an embroidery position. Each needle position has, as embroidery-creating components, at least one thread leader, thread guide devices and a needle arranged on a needle tappet, which is mounted so it can move back and forth in a first direction. A lower thread unit is associated with each embroidery head. A transmission ensures synchronous movement of the upper thread unit and the lower thread unit. A clamping frame (11) is arranged between the upper thread unit and the lower thread unit for stentering a fabric (89) on a support, which has two first and second fabric holding elements (13,15), arranged at a distance from one another. These fabric holding elements are designed as first and second rotating fabric shafts (13,15), which are or can be coupled with one another and onto which a supply of embroidery ground can be wound.

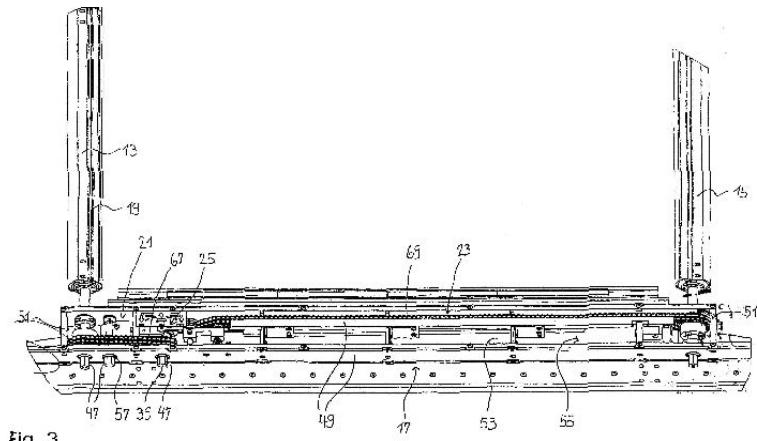


Fig. 3

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2614/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POINTER, POSITION DETECTION APPARATUS AND POSITION DETECTION METHOD

---

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-024858	<b>1)WACOM CO., LTD.</b>
(32) Priority Date	:05/02/2010	Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)YASUO ODA</b> <b>2)SADAQ YAMAMOTO</b> <b>3)YOSHIHISA SUGIYAMA</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

A position detection apparatus of the electrostatic coupling type is provided, to detect not only a position of a pointer but also information other than the position information such as, for example, pointer pressure or side switch information. The pointer transmits two codes such that a pressure applied to a pen tip is associated with a time difference between the two codes. A position detector carries out a correlation matching operation between signals generated in reception conductors and correlation calculation codes corresponding to the two codes, to thereby detect a position on a sensor section pointed to by the pointer from a result of the correlation matching operation and based on at least one of the codes. The position detector further includes a pressure calculation circuit for detecting pressure applied to the pointer, which is associated with the time difference between the two codes, from the result of the correlation matching operation calculated by the correlation matching operation and based on the two codes.

No. of Pages : 125 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/11/2010

(21) Application No.2615/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : COOLING APPARATUS

(51) International classification	:F25D
(31) Priority Document No	:102009051864.9
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :PORSCHEPLATZ 1, 70435  
STUTTGART, GERMANY

(72)Name of Inventor :

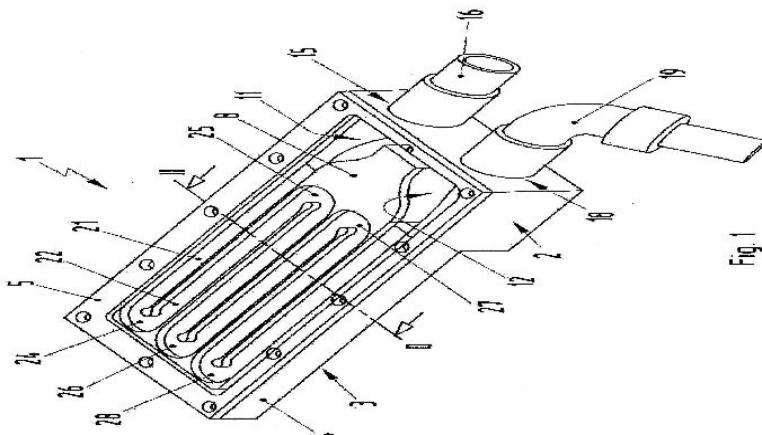
**1)JONAS HOHENSTEIN**

**2)PAUL HURMER**

**3)ARMIN SCHWEIZER**

(57) Abstract :

The invention relates to a cooling apparatus for an electrical device which gives off heat during operation, having a cooling insert (8) which bounds cooling ducts through which a cooling medium flows. In order to optimize the cooling apparatus in particular in terms of the cooling power and flow of the cooling medium, the cooling apparatus (1) comprises a closed cooling-medium-tight housing (2) in which the cooling insert (8) is arranged and which has at least two openings (15, 18) which make it possible for a cooling medium stream to enter and exit. (Figure 1)



No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3035/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD OF AND APPARATUS FOR WRAPPING A STACK OF OBJECTS WITH A FILM.

(51) International classification	:B65B
(31) Priority Document No	:09 015
(32) Priority Date	790.0
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MSK - VERPACKUNGS-SYSTEME GMBH

Address of Applicant :BENZSTRASSE, 47533 KLEVE,  
GERMANY

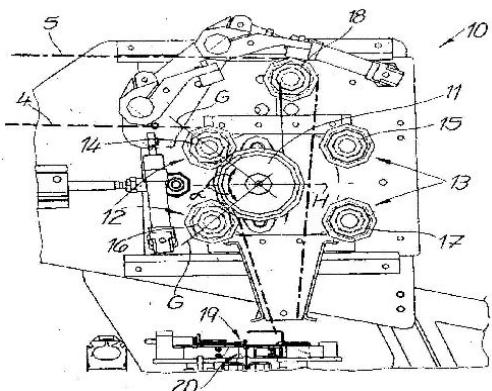
(72)Name of Inventor :

1)FRANK ROLF MICHELS

(57) Abstract :

An apparatus for wrapping a stack of objects with a film, the apparatus having a film feed head for optional supply of a first film or a second film, a drawing-and-pull-down device having a first film supply and a second film supply. The film feed head has a drive roller, a first pair of counterrollers and a second pair of counterrollers. Optionally either the first pair of counterrollers is engaged with the drive roller to pinch the first film and the drive roller is driven for feeding the first film, or the second pair of counterrollers is engaged with the drive roller to pinch the second film and the drive roller is driven for feeding the second film. To be published with FIG. 2.

Fig.2



No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2010

(21) Application No.2251/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM FOR SCREEN DANCE STUDIO

(51) International classification	:B25B	(71) <b>Name of Applicant :</b> <b>1)CHOI HAE-YONG</b> Address of Applicant :MOOKDONG 1 PARK APARTMENT # 108-301, 385 MOOK-DONG, JUNGRYANG-GU, SEOUL-CITY 131-768, Republic of Korea
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for screen dance studio, and more particularly, to a system for screen dance studio comprising an image storage unit, an audio unit, a controller, a large mirror, a projector, a screen image unit, and a left-right reversal unit for reversing left-right sides of an image. In addition, a screen image unit is provided behind a trainee and a large mirror is provided on a front face, and further an image storage unit, an amp, a large screen image unit and a projector for proving audio and image are provided wherein the large mirror is arranged in front part of the trainee and the screen image unit is placed on a rear face thereof or inside the mirror so that the trainee can see simultaneously his/her exercising picture and the dance exercising image through the mirror in a same direction of respective left-right side.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2010

(21) Application No.2509/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : DEVICE AND METHOD FOR THE AUTOMATIC PICK-UP OF FIBRE FROM A BALE OF FIBRE ON A SPINNING LINE

(51) International classification	:D01G
(31) Priority Document No	:BS2009A000208
(32) Priority Date	:16/11/2009
(33) Name of priority country	:Italy
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MARZOLI, S.P.A.

Address of Applicant :VIA S. ALBERTO, 10 -25036  
PALAZZOLO SULL'OGLIO, BRESCIA, ITALY

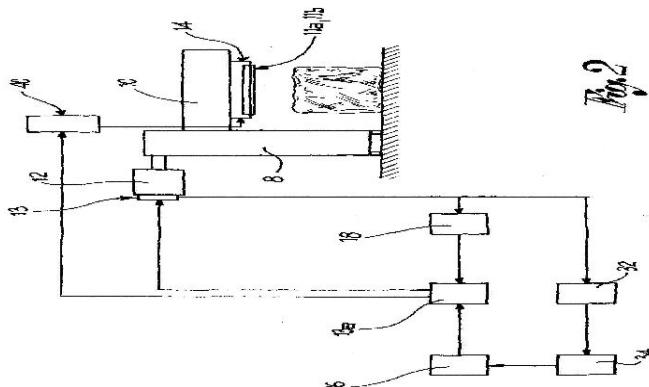
(72)Name of Inventor :

1)MASCHERETTI, MARIO

2)RACCAGNI, DANIELE

(57) Abstract :

A pick-up device (4) of fibre from bales comprises a translating arm (10) controllable at a constant force or at constant pitch, depending on processing requirements. For control at a constant force or at a constant pitch, selection occurs automatically, on the basis of the conditions of the arm and the type of processing.



No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.2881/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : 'PROCEDURE FOR AUTOMATED SPLICING OF A YARN BY DEPOSITION OF NANOSUSPENSIONS'

(51) International classification	:B65H
(31) Priority Document No	:RM2009A000644
(32) Priority Date	:09/12/2009
(33) Name of priority country	:Italy
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)MESDAN S.P.A.**

Address of Applicant :VIA MASSERINO N.6 CAP,25080  
RAFFA DI PUEGNAGO BRESCIA (BS), ITALY

(72)**Name of Inventor :**

**1)MIGLIOLI LORENZO**

**2)RAGNOLI FABRIZIO**

---

(57) Abstract :

A procedure for the automated wet splicing of yarns, using nanosuspensions of zinc oxide, and/or aluminum oxide, and/or silicon oxide, capable of increasing the friction coefficient between the fibers and thus facilitating the splicing process.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.2882/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : NEWSPAPER PRODUCTION APPARATUS

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(51) International classification	:B41F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-019286	<b>1)KABUSHIKI KAISHA TOKYO KIKAI SEISAKUSHO</b> Address of Applicant :26-24, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8375 JAPAN
(32) Priority Date	:29/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)FUJIO NOBORU</b> <b>2)SEZAKI HIROKI</b> <b>3)GOTO HISASHI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

Provided is a newspaper production apparatus which can make the processing mechanisms after digital printing small-scaled and which can quite easily obtain a favorably stacked state of sheets. The newspaper production apparatus includes: a paper feeding unit which feeds a continuous paper; ink jet printing units; and a folding unit which cuts and folds the continuous paper after being printed. The folding unit is configured as a rotary folding unit provided with a folding cylinder including: a retaining mechanism which retains a sheet on an outer circumferential surface of the folding cylinder; and a folding blade mechanism which projects the retained sheet radially outward. The rotary folding unit is capable of collect run by which sheets retained by the retaining mechanism are folded at each plural number of turns of the folding cylinder.

No. of Pages : 67 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3030/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LIGHTING APPARATUS

(51) International classification	:F21V	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-293411	<b>1)TOSHIBA LIGHTING &amp; TECHNOLOGY CORPORATION</b>
(32) Priority Date	:24/12/2009	Address of Applicant :1-201-1, FUNAKOSHI-CHO, YOKOSUKA-SHI, KANAGAWA 237-8510,JAPAN
(33) Name of priority country	:Japan	<b>2)KABUSHIKI KAISHA TOSHIBA</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NISHIMURA, KIYOSHI</b>
(87) International Publication No	:NA	<b>2)OYAIZU, TSUYOSHI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)OGAWA, KOZO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to one embodiment, a lighting apparatus includes a conductive main body at a ground potential, a light-emitting device in the main body, and a lighting control device configured to supply power to the light-emitting device. The light-emitting device includes a substrate including an insulation layer, and a radiation layer with a thermal conductivity, formed of conductive material and laminated on the insulation layer, a plurality of light-emitting elements mounted on the radiation layer, and a power supply wiring configured to electrically connect the light-emitting elements and to rake the radiation layer electrically nonconductive.

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2010

(21) Application No.2974/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MECHANISMS TO AVOID INEFFICIENT CORE HOPPING AND PROVIDE HARDWARE ASSISTED LOW-POWER STATE SELECTION

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/647,671	<b>1)INTEL CORPORATION</b>
(32) Priority Date	:28/12/2009	Address of Applicant :2200 MISSION COLLEGE BLVD., M/S: RNB4-150, SANTA CLARA, CA 95052, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)SONG, JUSTIN, J.</b> <b>2)CRAWFORD, JOHN, H.</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An apparatus and method is described herein for avoiding inefficient core hopping and providing hardware assisted power state selection. Future idle-activity of cores is predicted. If the residency of activity patterns for efficient core hop scenarios is predicted to be large enough, a core is determined to be efficient and allowed. However, if efficient activity patterns are not predicted to be resident for long enough inefficient patterns are instead predicted to be resident for longer then a core hop request is denied. As a result, designers may implement a policy for avoiding core hops that weighs the potential gain of the core hop, such as alleviation of a core hop condition, against a penalty for performing the core hop, such as a temporal penalty for the core hop. Separately, idle durations associated with hardware power states for cores may be predicted in hardware. Furthermore, accuracy of the idle duration prediction is determined. Upon receipt of a request for a core to enter a power state, a power management unit may select either the hardware predicted power state, if the accuracy is high enough, or utilize the requested power state, if the accuracy of the hardware prediction is not high enough.

No. of Pages : 49 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3054/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ENERGY SAVING ASSISTANCE SYSTEM AND ENERGY SAVING ASSISTANCE PROGRAM

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-293715	<b>1)HITACHI, LTD.</b>
(32) Priority Date	:25/12/2009	Address of Applicant :6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8280 JAPAN
(33) Name of priority country	:Japan	<b>2)HITACHI BUILDING SYSTEMS CO., LTD</b>
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)TAKAHASHI HIROTAKA</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>2)SUZUKI SHOJI</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>3)TOMITA NOBUO</b>
		<b>4)TAKAHASHI TATSUNORI</b>
		<b>5)SHIMODERA MAKOTO</b>
		<b>6)YAN RIN</b>

(57) Abstract :

The present invention provides an energy saving assistance technique for creating a plan for selecting an energy saving solution to continuously clear a target value of energy saving in accordance with the Law Concerning the Rational Use of Energy and a time when to introduce this selected solution with consideration through plural bases in total, in accordance with users need such as priority order of base selection. The present invention includes a user setting section for setting users need including a target value such as an annual rate of energy saving for every year and a priority order of base selection when carrying out an energy saving solution, an elemental effect calculation section for calculating an energy saving effect due to replacement with energy saving equipment (energy saving solution) for every base, and a consolidation for creating and outputting, based on the energy saving effect calculated for every base, an energy saving plan that continuously clears a target such as an annual rate of energy saving for every year and satisfies the users need.

No. of Pages : 68 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3055/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HYDRAULIC CONTROL SYSTEM OF CONTINUOUSLY VARIABLE TRANSMISSION FOR VEHICLE

(51) International classification	:F16H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0100447	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:14/10/2010	<b>2)KIA MOTORS CORPORATION</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KIM HYUNSUK</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hydraulic control system of a continuously variable transmission for a vehicle reduces cost and improves quality reliability by adding switch valve function to a manual valve. The hydraulic control system may control a first brake operated at a first forward speed, a first clutch operated at a second forward speed, and a second brake operated at a reverse speed. The first clutch and the second brake may be operated by operation pressure controlled by a first proportional control solenoid valve and supplied through a manual valve, and the first brake may be operated by operation pressure controlled by a second proportional control solenoid valve, wherein the second proportional control solenoid valve controls hydraulic pressure received from the manual valve to be supplied to the first brake as the operation pressure.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.2564/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STEAM TURBINE CASING SYSTEM

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(51) International classification	:F01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:MI2009	<b>1)ALSTOM TECHNOLOGY LTD</b>
	A001872	Address of Applicant :BROWN BOVERI STRASSE 7, CH-
(32) Priority Date	:28/10/2009	5400 BADEN, SWITZERLAND
(33) Name of priority country	:Italy	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SILVIA GAFNER</b>
Filing Date	:NA	<b>2)LUDWIG BOXHEIMER</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The invention provides a steam turbine outer casing (30) that is at least partially cast out of a first material and has a plurality of support regions (5) adapted to support an inner casing (30). The outer casing (30) has at least one support region (5) that has a metal insert (40), made of a second material, with a flaring portion (42) for retaining the metal insert (40) in the casting (35) of the outer casing (30). The second material has a greater hot strength than the first material. The support region (5) further includes a guiding means for limiting the movement of the inner casing (20) in the outer casing (30).

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.2685/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STEREOSCOPIC EDITING FOR VIDEO PRODUCTION, POST-PRODUCTION AND DISPLAY ADAPTATION

(51) International classification

:G06T

(31) Priority Document No

:61/260,274

(32) Priority Date

:11/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :500 S. BUENA VISTA STREET,  
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(72)Name of Inventor :

**1)ALJOSA ALEKSEJ ANDREJ SMOLIC**

**2)OLIVER WANG**

**3)MANUEL LANG**

**4)ALEXANDRE HORNUNG**

**5)MARKUS GROSS**

---

(57) Abstract :

Systems, methods and articles of manufacture are disclosed for stereoscopically editing video content. In one embodiment, image pairs of a sequence may be stereoscopically modified by altering at least one image of the image pair. The at least one image may be altered using at least one mapping function. The at least one image may also be altered based on a saliency of the image pair. The at least one image may also be altered based on disparities between the image pair. Advantageously, stereoscopic properties of video content may be edited more conveniently and efficiently.

No. of Pages : 52 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/12/2010

(21) Application No.2947/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : COPOLYCARBONATE COMPOSITIONS HAVING IMPROVED THERMAL PROPERTIES AND BASED ON BLENDS

(51) International classification	:C08L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09015398.2	<b>1)BAYER MATERIALSCIENCE AG</b>
(32) Priority Date	:12/12/2009	Address of Applicant :51368 LEVERKUSEN, GERMANY
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)HELMUT-WERNER HEUER</b>
Filing Date	:NA	<b>2)ROLF WEHRMANN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to compositions containing at least one copolycarbonate containing one or more bisphenol building blocks and one or more further specific (co)polycarbonates as well as compositions which optionally contain additives, the use thereof for the production of shaped articles, and shaped articles obtainable therefrom.

No. of Pages : 36 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2010

(21) Application No.375/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DIAGNOSTIC ASSAYS FOR THE DETECTION AND IDENTIFICATION OF ASPERGILLI

(51) International classification

:C07C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
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(72)Name of Inventor :

**1)PREETIDA JAGDISH BHETARIYA  
2)TARUNA MADAN GUPTA  
3)YOGENDRA SINGH  
4)ANUPAM VARMA  
5)PURANAM USHA SARMA**

(57) Abstract :

Three important species of Aspergillus, A.fumigatus, A.flavus and A. niger are known to contribute to the pathogenicity of allergic and invasive diseases in humans. They are also known to be plant pathogens. Several important ESTs/genes of Aspergilli species are now identified and characterized. Efforts are still needed to explore 30% genes of Aspergillus species for their valuable products which need to be explored. Polyketide biosynthetic pathway in Aspergillus species produce important secondary metabolites like polyketide toxins such as Aflatoxins, drugs such as Lovastatins and several other important pharmaceutically important polyketide compounds etc. With the availability of Aspergillus genome sequences it is possible today to characterize the structure and function of important genes of Aspergillus species. Based on the gene sequence information on PKS enzymes in medically and agriculturally important Aspergillus species such as A.fumigatus, A.flavus and A.niger sequences of diagnostic use are identified and a multiplex PCR assay is developed using clinical and agricultural samples.

No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4837/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SUPPRESSION OF NEUROENDOCRINE DISEASES

(51) International classification	:A61K 38/00
(31) Priority Document No	:0810782.3
(32) Priority Date	:12/06/2008
(33) Name of priority country	:U.K.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:WO 2009/150469
(61) Patent of Addition to Application Number	:8769/DELNP/2010
Filed on	:09/12/2010
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SYNTAXIN LIMITED**

Address of Applicant :UNITS 4-10 THE QUADRANT,  
BARTON LANE, ABINGDON, OXFORDSHIRE OX14 3YS  
(GB) U.K.

(72)Name of Inventor :

**1)JOHNSTONE, STEPHEN**

**2)MARKS, PHILIP**

**3)FOSTER, KEITH**

---

(57) Abstract :

The present invention relates to a method for suppressing neuroendocrine disease. The therapy employs use of a non-cytotoxic protease, which is targeted to a neuroendocrine tumour cell, preferably via a somatostatin or cortistatin receptor, a QHRH receptor, a ghrelin receptor, a bombesin receptor, a urotensin receptor, melanin-concentrating hormone receptor 1; a KiSS-1 receptor or a prolactin-releasing peptide receptor. When so delivered, the protease is internalised and inhibits secretion from said tumourcell. The present invention also relates to polypeptides and nucleic acids for use in said methods.

No. of Pages : 506 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4841/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DISPENSING CONTAINER COMPRISING A PUMP RECEIVING FITMENT

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(51) International classification	:B05B 11/00
(31) Priority Document No	:61/145,373
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021205
Filing Date	:15/01/2010
(87) International Publication No	:WO 2010/083419
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)COLGATE-PALMOLIVE COMPANY**

Address of Applicant :300 PARK AVENUE, NEW YORK,  
NY 10022 U.S.A.

(72)Name of Inventor :

**1)CRAWFORD JOHN CLIFFORD**

**2)TREPINA GEORGE**

(57) Abstract :

A dispensing container with a fitment (30), the fitment (30) allows a dispensing pump on the dispensing container (10) to be reused with another container. The container (10) has a fitment (30) secured into the container (10) using a tamper-proof structure with the reusable dispensing pump of a structure to fit into this fitment (30). The fitment (30) and the container neck (20) are injection molded to maintain the close tolerances for the tamper-proof structure. The fitment (30) has at least one drain aperture (34 a-d) and at least one pressure equalization aperture (35 a-d). When the reusable dispensing pump is inserted into the fitment (30), liquid in the fitment (30) can escape through the drain aperture (34 a-d) into the container (10) and pressure in the container (10) is equalized through the pressure equalization aperture (35 a-d). The closure (14) and upper part (14) of the container (10) are both of a conical structure to enhance alignment.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4842/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OPHTHALMIC DEVICES FOR DELIVERY OF HYDROPHOBIC COMFORT AGENTS

(51) International classification	:G03B 1/04
(31) Priority Document No	:61/120,155
(32) Priority Date	:05/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/066480
Filing Date	:03/12/2009
(87) International Publication No	:WO 2010/065686
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NOVARTIS AG**

Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL SWITZERLANDS

(72)**Name of Inventor :**

**1)PRUITT JOHN DALLAS**

**2)WINTERTON LYNN COOK**

**3)NELSON JARED**

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(57) Abstract :

Soft hydrogel contact lens, especially a silicone hydrogel contact lens, which has a capability of delivering a hydrophobic comfort agent into the eye of a wearer. The hydrophobic comfort agent includes without limitation a monoglyceride, a diglyceride, a triglyceride, a glycolipid, a glyceroglycolipid, a sphingolipid, a sphingo- glycolipid, a phospholipid, a fatty acid, a fatty alcohol, a hydrocarbon having a C12- C28 chain in length, a mineral oil, a silicone oil, or a mixture thereof. It can be released from the soft hydrogel contact lens into the eye of a wearer when being worn so as to strengthen and stabilize the tear film lipid layer and alleviate the dryness of the eye.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4843/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MAGNETIC CLAMPING DEVICE FOR HOLDING A WORKPIECE IN A PRECISELY FIXTURED POSITION

(51) International classification	:B23Q 3/154	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)TECNOMAGNETE S.P.A.</b>
(32) Priority Date	:NA	Address of Applicant :PIAZZALE LUIGI CADORNA
(33) Name of priority country	:NA	1020123 MILANO, ITALY
(86) International Application No	:PCT/IT2008/000764	(72) <b>Name of Inventor :</b>
Filing Date	:16/12/2008	<b>1)COSMAI GIOVANNI</b>
(87) International Publication No	:WO 2010/070683	<b>2)FARANDA ROBERTO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GIGLIO ANTONINO</b>
Filing Date	:NA	<b>4)CARDONE MICHELE</b>
(62) Divisional to Application Number	:NA	<b>5)MAGALINI GIORGIO</b>
Filing Date	:NA	

(57) Abstract :

The present invention concerns a clamping device (8) for magnetically holding a workpiece (7) in a precisely fixtured position, which comprises a base (10) having a first side (11) and a second side (12) at the larger opposed surfaces, a workpiece support plate (13) having a first side (14) and a second side (15) at the larger opposed surfaces, a first magnetic circuit (17) contained in said base (10) for creating a magnetic field, the first side (14) of said workpiece support plate (13) being attracted by the second side (12) of said base (10) by means of said magnetic field when said first magnetic circuit (17) is in an activated state, centering and locating means (20) for centering said workpiece support plate (13) in an angular position relative to said base (10). The clamping device (8) is characterized in that said at least one first magnetic circuit (17) comprises at least one pole piece (18) which is adapted to generate at least one magnetic flux for turning both said second side (12) and said first side (11) of said base (10) into a magnetically activated state, so that said first side (11) of said base (10) can be magnetically secured to a support (16) and that said second side (12) of said base (10) can be magnetically secured to said first side (14) of said workpiece support plate (13) thereby providing a one-piece configuration of said support (16) of said base (10) with said workpiece support plate (13).

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4844/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PASTE COMPOSITION AND SOLAR CELL ELEMENT USING THE SAME

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(51) International classification	:H01L 31/04
(31) Priority Document No	:2009-012613
(32) Priority Date	:23/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/000161
Filing Date	:14/01/2010
(87) International Publication No	:WO 2010/084715
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)TOYO ALUMINIUM KABUSHIKI KAISHA**

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CHUO-KU, OSAKA-SHI, OSAKA 541-0056, JAPAN

(72)**Name of Inventor :**

**1)WATSUJI TAKASHI**

**2)KIKUCHI KEN**

**3)OCHI YUTAKA**

**4)ISHIBASHI NAOAKI**

(57) Abstract :

Provided are a paste composition capable of avoiding deteriorations in a mechanical strength and an adhesion property of an electrode layer, of sufficiently attaining a desired BSF effect, and of suppressing deformation (bow) of the silicon semiconductor substrate even in a case where a silicon semiconductor substrate is rendered thin; and a solar cell element including an impurity layer, or an impurity layer and an electrode layer, which is (or are) formed by using the above-mentioned composition. The paste composition is used for forming a p+ layer (7) or an aluminum electrode layer (5) on a silicon semiconductor substrate (1) and includes an aluminum-coated compound powder. Aluminum-coated compound particles constitute this aluminum-coated compound powder, and each of the aluminum-coated compound particles includes: a compound-particle of at least of one kind of a compound selected from the group consisting of an inorganic compound and an organic compound; and an aluminum-containing coating layer which covers a surface of the compound-particle, is located in an outermost surface of each of the aluminum-coated compound particles, and contains aluminum.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3032/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMMUNICATION SYSTEM FOR A RAIL VEHICLE AND METHOD FOR COMMUNICATION WITH A RAIL VEHICLE

(51) International classification	:G05D
(31) Priority Document No	:12/903,328
(32) Priority Date	:13/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)**Name of Inventor :**

**1)SMITH EUGENE A.**

(57) Abstract :

A communication system (106, 126) for a rail vehicle (100, 102, 104) includes a transceiver assembly (200, 202), a selection module (204, 206), and a monitoring module (212, 214). The transceiver assembly (200, 202) selectively communicates a data signal over a plurality of communication channels. The data signal is related to distributed power operations of the rail vehicle (100, 102, 104). The selection module (204, 206) is communicatively coupled with the transceiver assembly (200, 202) and switches the transceiver assembly (200, 202) to any of the communication channels. The monitoring module (212, 214) is communicatively coupled with the selection module (204, 206) and determines a load parameter of one or more of the communication channels. The load parameter is based on a population value of the one or more communication channels. The selection module (204, 206) switches the transceiver assembly (200, 202) to a selected channel of the communication channels based on the load parameter for communicating the data signal over the selected channel.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3033/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DOOR STRIKER UNIT FOR VEHICLE

(51) International classification	:E05B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0061504	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-GU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:28/06/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Republic of Korea	<b>1)KIM CHUL</b> <b>2)KIM BYUNG SUN</b> <b>3)JUNG JAE HWAN</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a door striker unit for a vehicle. The door striker unit for a vehicle includes a retainer connected to a rear side of the vehicles side outer panel, a engaging plate connected to a rear surface of the retainer, and a striker connected to the engaging plate and positioned on a front side of the vehicles side outer panel, wherein the engaging plate includes a welding portion welded to the retainer, an engaging portion having an integral bolt engaging portion for connection with the striker, and a connecting portion integrally connecting the welding portion and the engaging portion, wherein the connecting portion comprises a protruding curved portion.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3034/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD OF AND APPARATUS FOR WRAPPING A STACK OF OBJECTS WITH A FILM.

(51) International classification	:B65B
(31) Priority Document No	:09 015 789.2-2308
(32) Priority Date	:21/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MSK - VERPACKUNGS-SYSTEME GMBH

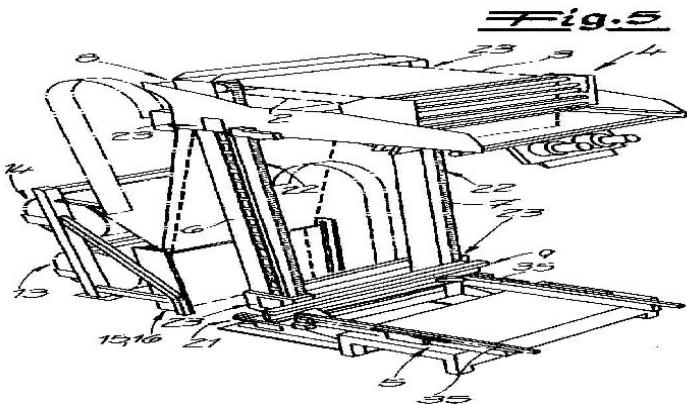
Address of Applicant :BENZSTRASSE, 47533 KLEVE,  
GERMANY

(72)Name of Inventor :

1)FRANK ROLF MICHELS

(57) Abstract :

Apparatus for wrapping a stack of objects with a film, the apparatus comprising at least one film-supply means for the film, a film-feed head for feeding the film and comprising a pull-down device for pulling the film over the stack of objects. The film can be conveyed from the film-supply means to the film-feed head. The film-feed head can be moved in the pull-down direction of the film and opposite to the pull-down direction of the film. A film-storing means for receiving film when the film-feed head moves is provided between the film-supply means and the film-feed head. Both the film-feed head and the pull-down device can be moved along just two vertical masts. For publication along with FIG. 5.



No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4849/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACTIVE MATERIAL OF A NICKEL-CADMIUM GENERATOR NEGATIVE ELECTRODE□

(51) International classification	:C25C
(31) Priority Document No	:0807446
(32) Priority Date	:24/12/2008
(33) Name of priority country	:France
(86) International Application No	:PCT/IB2009/055936
Filing Date	:23/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)SAFT**

Address of Applicant :12 Rue Sadi Carnot F-93170 Bagnolet  
FRANCE

**(72)Name of Inventor :**

- 1)CHEVALIER Stphanie**
- 2)AUDRY Claudette**
- 3)DENDARY Mlanie**
- 4)DESPREZ Philippe**
- 5)MARLID Bjrn**
- 6)SJ-VALL Rune**
- 7)GOTTFRIDSSON Jerry**

**(57) Abstract :**

The hydration of cadmium oxide in the presence of nickel acetate gives the possibility of obtaining a compound of general formula Cd<sub>1-x</sub>Ni<sub>x</sub>(OH)<sub>2-y</sub>(CH<sub>3</sub>CO<sub>2</sub>)<sub>y</sub> with 0<x<0.05 and 0<y<0.10. This compound may be advantageously used as an electrochemically active material of an anode of the envelope type of a nickel cadmium generator. This anode does not contain any sulfates responsible for the formation of short-circuits. Further, this anode has a high electrochemical yield. A method for preparing this compound and the anode is described.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3019/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES

(51) International classification	:C04B
(31) Priority Document No	:61/284,636
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)DOW GLOBAL TECHNOLOGIES, INC.**

Address of Applicant :2040 DOW CENTER, MIDLAND,  
MICHIGAN 48674, U.S.A.

**2)ANGUS CHEMICAL COMPANY**

**(72)Name of Inventor :**

**1)ASGHAR AKBER PEERA**

**2)GLEN ROBINSON**

**3)IAN TOMLINSON**

---

**(57) Abstract :**

A new class of compounds, namely diamino alcohols, is described, along with a process for their production and their use as rheology modifiers in high solids mineral slurries, such as, kaolin clay slurries.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4872/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POSITIVE ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES AND PROCESS FOR PREPARING THE SAME

(51) International classification	:H01M 4/131
(31) Priority Document No	:200810241390.6
(32) Priority Date	:22/12/2008
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/075812
Filing Date	:22/12/2009
(87) International Publication No	:WO 2010/072136
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SHENZHEN BAK BATTERY CO., LTD**

Address of Applicant :BUILDING 10, ZHENDA  
INDUSTRIAL ZONE, KUIYONG TOWN, LONGGANG  
DISTRICT, SHENZHEN, GUANGDONG 518119, CHINA

(72)**Name of Inventor :**

**1)TENG, XIN**

**2)HE, WEI**

**3)HE MING**

**4)RAO, RUYU**

**5)XIAO BIN**

**6)PAN, QIMING**

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(57) Abstract :

Provided are a positive electrode material for lithium ion batteries and a process for preparing the same. The positive electrode material for lithium ion batteries comprises a composite positive electrode material consists of LiCoO<sub>2</sub> and an auxiliary positive electrode material, the general formula of the auxiliary positive electrode material is LiC<sub>o</sub>i.x-yN<sub>x</sub>M<sub>y</sub>O<sub>2</sub>, wherein 0<x<y<x+y

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4873/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SPRINKLER WITH AN INTEGRATED VALVE, AND FIRE-EXTINGUISHING SYSTEM USING SAME

(51) International classification	:A62C 37/40	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2008-0137836	<b>1)SANG-SUN LEE</b>
(32) Priority Date	:31/12/2008	Address of Applicant :136-9 HONGJAE-DONG, SEODAEMON-GU,SEOUL,120-090 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2009/007782	<b>1)SAN-SUN LEE</b>
Filing Date	:24/12/2009	
(87) International Publication No	:WO 2010/077019	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a sprinkler with an integrated valve, and to a fire-extinguishing system using same. Conventional sprinklers are too sensitive to the outbreak of a fire, and operate even if no fire has broken out, which would lead to a large amount of damage. For this reason, conventional sprinklers are often prevented from being operated in advance. In addition, sprinklers do not operate even upon the outbreak of a fire when the sensitivities thereof are lowered, rendering the sprinklers useless. The present invention aims to solve the abovementioned problems, and is configured such that a manager in a building checks whether or not a fire has broken out and if so sends an extinguishing signal, and wherein in the event a sensor for operating a sprinkler senses the outbreak of a fire, only the relevant sprinkler operates by means of a valve mounted thereon, thereby operating sprinklers only when a fire has actually broken out, and enabling a central control office, a fire station, or the like to verify the outbreak of a fire in each household at all times. Further the present invention can be applied to public transportation facilities such that water-spraying is carried out after an engine room or a control board in charge of the safety of the passenger cars and outside of the latter verifies the outbreak of a fire, thus still taking advantage of a high-sensitivity of sensor. As the present invention sprinklers water only in the event of an actual fire outbreak, erroneous operation can be prevented, and water can be sprinkled only in the required area, thereby extinguishing the fire in the early state of a fire outbreak.

No. of Pages : 38 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4875/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CUTTING INSERT AND INDEXABLE TOOTH CUTTING TOOL USING THE SAME

(51) International classification	:B23F 21/14
(31) Priority Document No	:2008-329919
(32) Priority Date	:25/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/007215
Filing Date	:24/12/2009
(87) International Publication No	:WO 2010/073681
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TUNGALOY CORPORATION

Address of Applicant :11-1, YOSHIMA-KOGYODANCHI,  
IWAKI-SHI, FUKUSHIMA, 9701144, JAPAN

(72)Name of Inventor :

1)SATORU YOSHIDA

(57) Abstract :

A cutting insert removably mounted on an insert seat (4) formed in a peripheral of a tool body (1) rotated around an axis O and of substantial disc shape, comprising a substantially planar insert body (10) of a substantially square shape in plan view, a flank (11) at an upper face of the body(10), a rake face (12) at a side of the body (10) intersecting with the flank (11), and a cutting edge (13) at an intersection ridge between the rake face (12) and the flank (11). The cutting edge (13) is a substantial involute in side view of the body (10), the rake face (12) is inclined to an inside of the body (10) from an upper toward a lower face, and at least a front end (12a) arranged in a peripheral of the tool body is concave constituting a part of a substantially conical side face. FIG. 8A

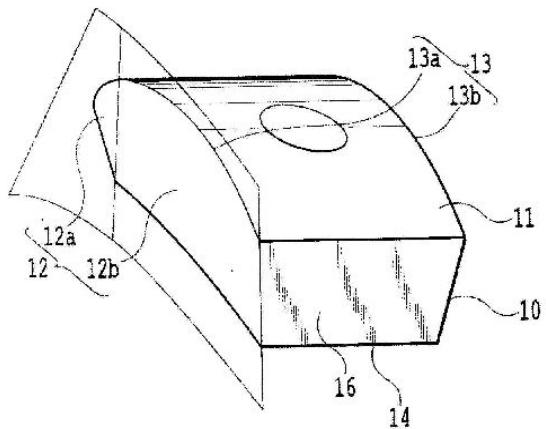


FIGURE 8A

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3056/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : AIR-COOLED TOP ROLLER

(51) International classification	:D01H	(71)Name of Applicant :
(31) Priority Document No	:10 2010	<b>1)RIETER INGOLSTADT GMBH</b>
(32) Priority Date	001 476.1	Address of Applicant :FRIEDRICH-EBERT-STR., 84, 85055
(33) Name of priority country	:02/02/2010	INGOLSTADT GERMANY.
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	<b>1)ALBERT KRIEGLER</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a top roller (1) of a drafting system on a spinning preparation machine, particularly a drawing frame, having a roller shaft (2) and a roller cover (3) applied to the outer circumference of the roller shaft (2), wherein the roller shaft (2) comprises at least one ventilation groove, air inlet opening (5), and air outlet opening (6), wherein the ventilation groove is disposed at the outer circumference of the roller shaft (2) and is connected to the air inlet opening (5) and the air outlet opening (6). According to the invention, the air inlet opening (5) and the air outlet opening (6) are disposed in the region of the outer circumference of the roller shaft (2), so that air flows into the air inlet opening (5) due to the rotation of the top roller (1), is heated while flowing through the ventilation groove, particularly by the heat conveyed through the roller cover (3), and flows out through the air outlet opening (6). (Figure 1)

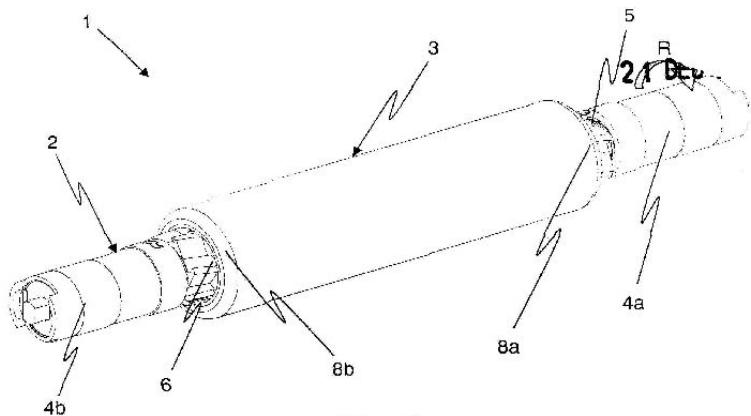


Fig. 1

No. of Pages : 25 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3057/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AIR CLEANER FOR VEHICLE

(51) International classification	:F02M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0093935	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA.
(32) Priority Date	:28/09/2010	<b>2)KIA MOTORS CORPORATION</b> <b>3)INZICONTROLS CO., LTD.</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)LEE SANG II</b> <b>2)PIEH KWANG-HYUN</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An air cleaner for a vehicle includes a body accommodating a filter element, a cover that covers the top of the body, and clamping units clamping the body and the cover. The clamping units include i) at least one first clamp that clamps sides of the body and the cover by means of elastic force of a first spring and functions as a hinge point allowing the cover to rotate with respect to the body and ii) at least one second clamp that clamps the other sides of the body and the cover by means of elastic force of a second spring and locks and unlocks the body and the cover by means of rotation of a key.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4952/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SPARK PLUG

(51) International classification	:H01T1/00
(31) Priority Document No	:P.2010-014121
(32) Priority Date	:26/01/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005160
Filing Date	:23/08/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NGK SPARK PLUG CO., LTD.

Address of Applicant :14-18, TAKATSUJI-CHO, MIZUHO-KU, NAGOYA-SHI, AICHI 467-8525 JAPAN

(72)Name of Inventor :

1)NOBUAKI SAKAYANAGI

2)KATSUTOSHI NAKAYAMA

(57) Abstract :

Peeling resistance of a noble metal chip is improved by reducing a difference in the thermal stress generated between the noble metal chip and a ground electrode. A spark plug 1 includes an insulator 2, a center electrode 5, a metal shell 3, and a ground electrode 27, wherein a spark discharge gap 33 is formed between the center electrode 5 and the noble metal chip 41 bonded to the ground electrode 27. The ground electrode 27 is provided with a concave hole portion 43, and 70% or more of the noble metal chip 41 is bonded to the hole portion 43 of the ground electrode 27 through a fusion portion 35 formed by fusing the noble metal chip and the ground electrode 27 to each other by emitting a laser beam or the like from the side surface of the noble metal chip. A gap 45 is formed between the noble metal chip 41 and at least a part of an inner wall surface 43 S of the hole portion 43 so as to be more than 0 mm and equal to or less than 1.0 mm in the direction perpendicular to the central axis CL2 of the noble metal chip 41.

No. of Pages : 62 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4953/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL BACILLUS THURINGIENSIS GENE WITH LEPIDOPTERAN ACITIVITY

---

(51) International classification	:C12N 15/31
(31) Priority Document No	:61/146,708
(32) Priority Date	:23/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/066181
Filing Date	:01/12/2009
(87) International Publication No	:WO 2010/085295
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)Name of Inventor :

**1)ABAD ANDRE R.**

**2)KAPKA-KITZMAN DIERDRE M.**

**3)MATHIS JOHN P.**

**4)WOLFE THOMAS C.**

---

(57) Abstract :

The invention provides nucleic acids, and variants and fragments thereof, obtained from strains of Bacillus thuringiensis encoding polypeptides having pesticidal activity against insect pests, including Lepidoptera. Particular embodiments of the invention provide isolated nucleic acids encoding pesticidal proteins, pesticidal compositions, DNA constructs, and transformed microorganisms and plants comprising a nucleic acid of the embodiments. These compositions find use in methods for controlling pests, especially plant pests.

No. of Pages : 87 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3036/DEL/2010 A

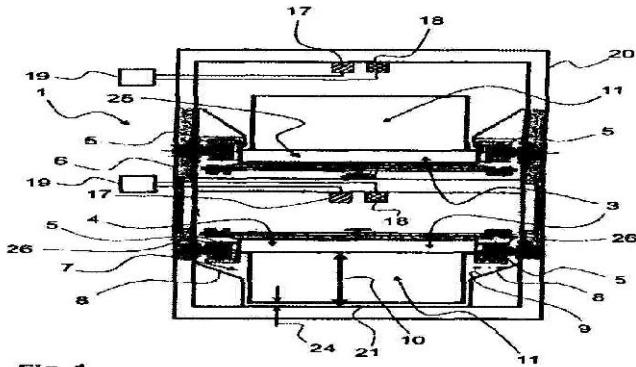
(43) Publication Date : 04/10/2013

(54) Title of the invention : APPARATUS FOR THE CONVEYANCE OF SOLID COMBUSTIBLE MATERIAL

(51) International classification	:B65G	(71) Name of Applicant :
(31) Priority Document No	:20 2009	<b>1)CLYDE BERGEMANN DRYCON GMBH</b>
	017 450.6	Address of Applicant :SCHILLWIESE 20, 46485 WESEL
(32) Priority Date	:23/12/2009	(DE) Germany
(33) Name of priority country	:Germany	(72) Name of Inventor :
(86) International Application No	:NA	<b>1)RUEDA, RAFAEL MORENO</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus (1) for the conveyance of solid combustible material (2), having at least one conveying means (3), wherein the conveying means (3) is supported at least partially by bearing means (5) and/or drive means (26), in particular on a stand (6), and the apparatus (1) having at least one collecting space (7) located below the conveying means (3) and having a height (10), at least one deflecting means (8) for the deflection of solid combustible material (2) towards the collecting space (7) being located below at least one bearing means (5) and/or below at least one drive means (26). The proposed apparatus for the conveyance of solid combustible material is suitable most especially for the conveyance of solid materials presenting a fire and/or explosion hazard.



No. of Pages : 18 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4962/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INTRACARDIAC IMPLANT- TOTAL ARTIFICIAL HEART

---

(51) International classification	:A61M 1/10
(31) Priority Document No	:2009010031(EG)
(32) Priority Date	:08/01/2009
(33) Name of priority country	:Egypt
(86) International Application No	:PCT/EG2009/000006
Filing Date	:19/02/2009
(87) International Publication No	:WO 2010/078873
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)HANNA, IHAB DAOUD**

Address of Applicant :15, MOHAMED TAWFIK DIAB ST.  
NASR CITY CAIRO (EG) Egypt

(72)**Name of Inventor :**

**1)HANNA, IHAB DAOUD**

(57) Abstract :

The present invention provides methods and systems for a biomaterial medical implant device for treating patients with HF and/or intractable dyrrhythmia. It either is implanted inside the cardiac cavity(ies), ICI, or after their removal, TAH. Could be extrapericardiac or introduced through percutaneous technique or transapical approach. The embodiment consists of 2 layers. Layer 1 (16) is immobile and adherent to the basement. Layer 2 (17) reflects from layer 1 and faces the cavity. Layer 2 moves inwards (systole) and backwards (diastole) by between-layers Concertina-like elastic fibers and/or a spring (22), on-surface diagonally crossing elastic fibers (27), or sheets (29&30) of electromagnetic coils (34), that are adherent to both layers from the inside. Layer 2 moves through the electromagnetic coil causing its attraction to layer 1, when polarities are different and repulsion when polarities are similar.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4964/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CORIOLIS PROPELLER

(51) International classification	:B60K 17/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/RU2008/000776
Filing Date	:18/12/2009
(87) International Publication No	:WO 2010/071470
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VYATKIN, DENIS VIKTOROVICH**

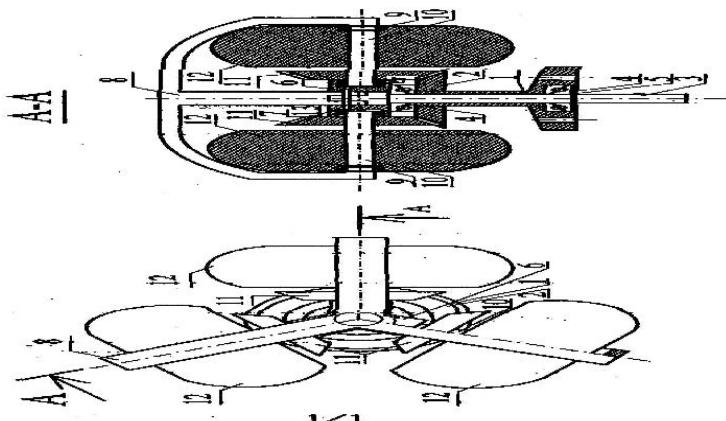
Address of Applicant :UI. ZABORIE, 58A-6 MIKORAION  
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MOSKOVSKAYA OBL., 142006(RU) Russia

(72)Name of Inventor :

**1)VYATKIN, DENIS VIKTOROVICH**

(57) Abstract :

The present invention relates to a Coriolis mover, consisting of the bracket, the shaft of the flywheel and flywheel systems, the flywheel is reported rotational movement around its axis, wherein the flywheel, but the rotation around its axis, according rotary motion around the axis of the flywheel. Fig. 1



No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4966/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PRODUCTION OF LACTAMAS AND CARBOXYLIC ACID AMIDES BY BECKMAN REARRANGEMENT OF OXIMES IN THE PRESENCE OF NB CATALYSTS

(51) International classification	:C07D 201/04
(31) Priority Document No	:10 2008 060 340.6
(32) Priority Date	:03/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2009/001706
Filing Date	:01/12/2009
(87) International Publication No	:WO 2010/063276
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DSM IP ASSETS B.V.

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(72)Name of Inventor :

1)HOLDERICH, WOLFGANG

2)METTU, ANILKUMAR

3)SRIMAHAPHOTHONG, NARERPOL

---

(57) Abstract :

The present invention relates to processes for the production of lactams such as  $\epsilon$ -Caprolactam,  $\omega$ -Laurolactam, or of carboxylic acid amides such as acetaminophenol and benzamilide by Beckman rearrangement from the corresponding oximes in the presence of Nb-impregnated catalysts, such as Nb on SiO<sub>2</sub>, preferably in the gaseous phase but also in the liquid phase. The reactions in the gaseous phase can be performed in various reactors, such as fixed bed reactors, plate reactors, fluidized bed reactors, fluidized bed reactors having continuous regeneration in a second fluidized bed at temperatures between 200°C and 500°C and a pressure of 0.01 bar to 10 bar. In the liquid phase, the reactions can take place in different reactors such as autoclaves, stirred reactors, loop reactors, and trickle bed reactors at temperatures from 20°C to 200°C and a pressure between 0.5 and 20 bar. The invention further relates to the method of regeneration of said Nb-containing catalysts in oxidizing and non-oxidizing media at 200°C to 600°C.

No. of Pages : 35 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4957/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : NOVEL BACILLUS THURINGIENSIS GENE WITH LEPIDOTERAN ACTIVITY

---

(51) International classification	:C12N 15/31
(31) Priority Document No	:61/146,676
(32) Priority Date	:23/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009//064000
Filing Date	:11/11/2009
(87) International Publication No	:WO 2010/085289
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)PIONEER HI-BRED INTERNATIONAL, INC.**

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**2)DONG HUA.**

**3)LO SUE B.**

**4)SHI XIAOMEI**

---

(57) Abstract :

The invention provides nucleic acids, and variants and fragments thereof, obtained from strains of Bacillus thuringiensis encoding polypeptides having pesticidal activity against insect pests, including Lepidoptera. Particular embodiments of the invention provide isolated nucleic acids encoding pesticidal proteins, pesticidal compositions, DNA constructs, and transformed microorganisms and plants comprising a nucleic acid of the embodiments. These compositions find use in methods for controlling pests, especially plant pests.

No. of Pages : 83 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4958/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : NEW METALLOCENE COMPOUNDS, CATALYSTS COMPRISING THEM, PROCESS FOR PRODUCING AN OLEFIN POLYMER BY USE OF THE CATALYSTS, AND OLEFIN HOMO-AND COPOLYMERS

(51) International classification	:C08F 10/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/US2008/014144 :31/12/2008
(87) International Publication No	:WO 2010/077230
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)LUMMUS NOVOLEN TECHNOLOGY GMBH

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(72)**Name of Inventor :**

1)SELL, THORSTEN

2)WINTER, ANDREAS

3)THORN, MATTHEW GRANT

4)DIMESKA, ANITA

5)LANGHAUSER, FRANZ

(57) Abstract :

Certain metallocene compounds are provided that, when used as a component in a supported polymerization catalyst under industrially relevant polymerization conditions, afford high molar mass homo polymers or copolymers like polypropylene or propylene/ethylene copolymers without the need for any a -branched substituent in either of the two available 2- positions of the indenyl ligands. The substituent in the 2-position of one indenyl ligand can be any radical comprising hydrogen, methyl, or any other C2-C40 hydrocarbon which is not branched in the a -position, and the substituent in the 2-position of the other indenyl ligand can be any C5-C40hydrocarbon radical with the proviso that this hydrocarbon radical is branched in the -position and that the -carbon atom is a quarternary carbon atom and part of a mono-cyclic hydrocarbon system. This metallocene topology affords high melting point, very high molar mass homo polypropylene and very high molar mass propylene-based copolymers. Furthermore, the activity/productivity levels of catalysts comprising the metallocenes of the present invention are exceptionally high.

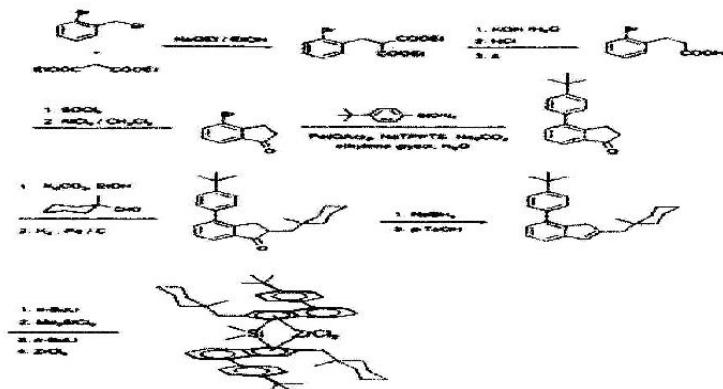


Fig. 1

No. of Pages : 157 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4959/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MANUFACTURING OF TAILORED OILS IN RECOMBINANT HETEROTROPHIC MICROORGANISMS

(51) International classification	:C10L 1/19
(31) Priority Document No	:61/118,590
(32) Priority Date	:28/11/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/066141
Filing Date	:30/11/2009
(87) International Publication No	:WO 2010/063031
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FRANKLIN, SCOTT

2)SOMANCHI, ARAVIND

3)ESPINA, KAREN

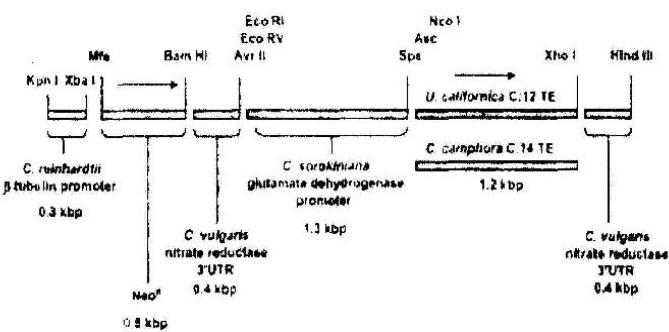
4)RUDENKO, GEORGE

5)CHUA, PENELOPE

(57) Abstract :

Methods and compositions for the production of oil, fuels, oleochemicals, and other compounds in *Prototheca* are provided, including oil-bearing microorganisms and methods of low cost cultivation of such microorganisms. *Prototheca* cells containing exogenous genes encoding, for example, a lipase, a sucrose transporter, a sucrose invertase, a fructokinase, a polysaccharide-degrading enzyme, a fatty acyl-ACP thioesterase, a fatty acyl-CoA/aldehyde reductase, a fatty acyl-CoA reductase, a fatty aldehyde reductase, a fatty aldehyde decarbonylase, and/or an acyl carrier protein are useful in manufacturing transportation fuels such as renewable diesel, biodiesel, and renewable jet fuel.

Figure 12



No. of Pages : 312 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4960/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : PRODUCTION OF TAILORED OILS IN HETEROTROPHIC MICROORGANISMS

(51) International classification	:C12P 7/64
(31) Priority Document No	:61/118,590
(32) Priority Date	:28/11/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/0066142
Filing Date	:30/11/2009
(87) International Publication No	:WO 2010/063032
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FRANKLIN, SCOTT

2)SOMANCHI, ARAVIND

3)ESPINA, KAREN

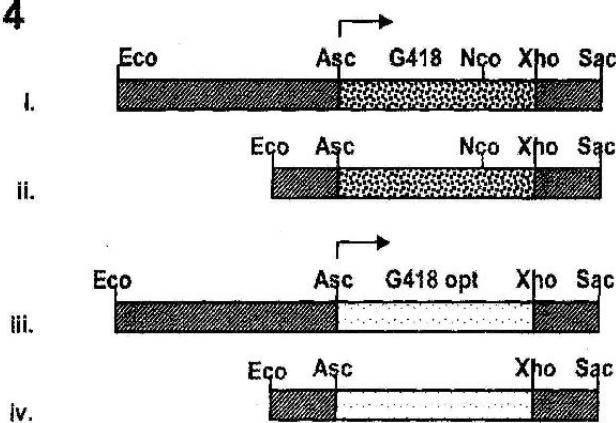
4)RUDENKO, GEORGE

5)CHUA, PENELOPE

(57) Abstract :

Methods and compositions for the production of oil, fuels, oleochemicals, and other compounds in *Prototheca* are provided, including oil-bearing microorganisms and methods of low cost cultivation of such microorganisms. *Prototheca* cells containing exogenous genes encoding, for example, a lipase, a sucrose transporter, a sucrose invertase, a fructokinase, a polysaccharide-degrading enzyme, a fatty acyl-ACP thioesterase, a fatty acyl-CoA/aldehyde reductase, a fatty acyl-CoA reductase, a fatty aldehyde reductase, a fatty aldehyde decarbonylase, and/or an acyl carrier protein are useful in manufacturing transportation fuels such as renewable diesel, biodiesel, and renewable jet fuel.

**Figure 4**



No. of Pages : 311 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3008/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD FOR PRODUCING A PHOTOVOLTAIC MODULE

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(51) International classification

:C08G

(31) Priority Document No

:61/335,805

(32) Priority Date

:12/01/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)MELINDA L. EINSLA**

**2)HAILAN GUO**

**3)EDWARD C. GREER**

---

(57) Abstract :

A method for producing a photovoltaic module by contacting at least one layer of liquid encapsulant and a plurality of solar cells. The liquid encapsulant has two components. The first component is an acrylic polyol having a terminal hydroxy group, an average number of hydroxy-functional monomer units per polymer chain from 2 to 25 and Mn from 1,000 to 10,000. The second component is an aliphatic polyisocyanate with an average functionality of at least two. The molar ratio of non-terminal hydroxy groups in the polyol to isocyanate groups in the aliphatic polyisocyanate is from 0.5:1 to 1:0.5.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3009/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD FOR PRODUCING A PHOTOVOLTAIC MODULE

---

(51) International classification

:C08G

(31) Priority Document No

:61/335,808

(32) Priority Date

:12/01/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)MELINDA L. EINSLA**

**2)HAILAN GUO**

**3)EDWARD C. GREER**

---

(57) Abstract :

A method for producing a photovoltaic module by forming solar cells on a glass plate and contacting at least one layer of liquid encapsulant with the solar cells. The liquid encapsulant has two components. The first component is an acrylic polyol having an average number of hydroxy-functional monomer units per polymer chain from 2 to 25 and Mn from 1,000 to 10,000. The second component is a polyisocyanate with an average functionality of at least two. The molar ratio of non-terminal hydroxy groups in the polyol to isocyanate groups in the polyisocyanate is from 0.5:1 to 1:0.5.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/12/2010

(21) Application No.3164/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HYDRAULIC BRAKING ASSEMBLY FOR A VEHICLE COMPRISING A HYDRAULIC FLUID LEVEL SENSOR

(51) International classification

:B60T

(31) Priority Document No

:10/01590

(32) Priority Date

:14/04/2010

(33) Name of priority country

:France

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)ANTONY AUGUSTE**

**3)FRANCOIS GAFFE**

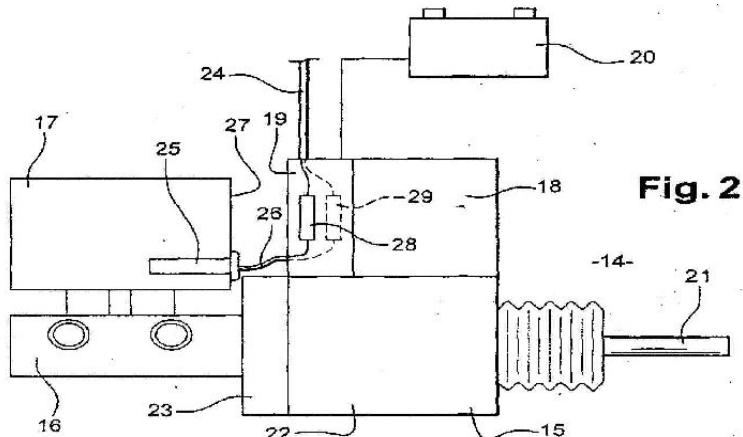
**4)JEAN-MICHEL L'AOT**

**5)PHILIPPE RICHARD**

**6)BASTIEN CAGNAC**

(57) Abstract :

The invention relates to a hydraulic braking assembly (14) for a vehicle comprising an electric servomotor (15), a master cylinder (16), a hydraulic fluid tank (17) mounted on the master cylinder, a hydraulic fluid level sensor (25) situated inside the fluid tank and monitoring the hydraulic fluid level inside the tank. The invention provides for the fluid level sensor to be connected from the tank to the computer of the electric servomotor by a cable (26). Figure 2



**Fig. 2**

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4897/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD OF AND SYSTEM FOR SECURELY PROCESSING A TRANSACTION

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(51) International classification	:G06Q 20/00
(31) Priority Document No	:2008/10835
(32) Priority Date	:23/12/2008
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/IB2009/055838
Filing Date	:18/12/2009
(87) International Publication No	:WO 2010/073199
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)BRUYNSE, DIRK MARINUS

2)BEZUIDENHOUDT, SCHALK JOHANN

---

(57) Abstract :

A method of securely processing a transaction includes storing a plurality of encrypted financial transaction instrument identifiers in a memory wherein there is no decryption key for these stored in the memory and further wherein the encrypted financial transaction Instrument identifiers are each associated with a mobile communications device. Receiving at a server a request to process a transaction, the request including an identification of a mobile communications device. Retrieving from the memory the encrypted financial transaction instrument identifier associated with the mobile communications device identified in the request. Transmitting the retrieved encrypted financial transaction instrument identifier to the mobile communications device. Receiving from the mobile communications device transaction data and using the received transaction data to effect a financial transaction.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5047/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PROCESS AND PLANT FOR BUILDING GREEN TYRES FOR VEHICLE WHEELS

(51) International classification	:B29D 30/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)PIRELLI TYRE S.p.A.</b>
(32) Priority Date	:NA	Address of Applicant :VIALE SARCA, 222, I-20126
(33) Name of priority country	:NA	MILANO, ITALY
(86) International Application No	:PCT/IB2008/003514	(72) <b>Name of Inventor :</b>
Filing Date	:17/12/2008	<b>1)ANDREA D'AMBROSIO</b>
(87) International Publication No	:WO 2010/070374	<b>2)MAURIZIO MARCHINI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PIERLUIGI CRIPPA</b>
Filing Date	:NA	<b>4)GIANNI MANCINI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There are described a plant and a process for building green tyres for vehicle wheels, said process comprising the steps of: a) building a carcass structure on a first forming drum (6) in at least one carcass structure building line (2) comprising a plurality of work stations arranged according to a sequential series, said carcass structure comprising at least one carcass ply and a pair of annular anchoring structures; b) building a crown structure on at least one second forming drum (7) in at least one crown structure building line (3) comprising a plurality of work stations arranged according to a sequential series, said crown structure comprising at least one belt structure; c) toroidally shaping said carcass structure assembling it to said crown structure in at least one shaping and assembling work station (4) for the tyre being processed; wherein the transfers of each of said first forming drum (6) and said second forming drum (7), with the respective carcass structure and crown structure being processed, from one work station to the other of the respective building lines (2, 3) comprise at least one step d) of transfer from a first work station to a second work station not adjacent to the first one in said sequential series, and wherein each step d) of transfer takes place in such a way that the first forming drum and the second forming drum (7) only pass in said first and second work station.

No. of Pages : 49 No. of Claims : 86

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.3151/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LUBRICATING DEVICE FOR ENGINE PROVIDED WITH TURBOCHARGER

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(51) International classification	:F01M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-003043	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:08/01/2010	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)FUJIKAWA HIROYUKI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

An engine provided with a turbocharger includes a timing chain, a chain case mounted to one end in an axial direction of a crankshaft disposed in the so as to cover the timing chain to define a chain chamber, a turbocharger disposed on one side in a width direction of the engine and driven by an exhaust gas and including a bearing portion, and a lubricating device for lubricating oil within the engine. The lubricating device includes an oil pan disposed below the engine, and an oil drain passage through which the oil lubricating the bearing portion returns to the oil pan. The oil drain passage has an oil drain port which is opened to the chain chamber defined by the one end portion of the axial direction of the crankshaft in the engine and the chain case.

No. of Pages : 26 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.3152/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : RETRACTABLE HELICOPTER LANDING GEAR

(51) International classification	:B64C
(31) Priority Document No	:09425545.2
(32) Priority Date	:30/12/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AGUSTA S.P.A

Address of Applicant :520 FRAZIONE CASCINA COSTA-VIA GIOVANNI AGUSTA, SAMARATE ITALY. Italy

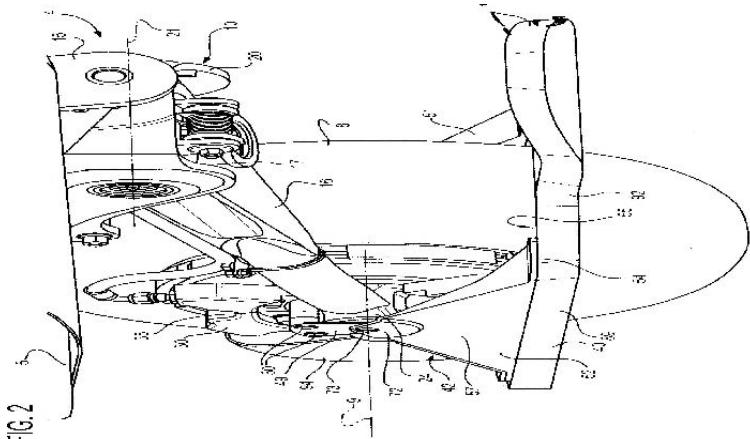
(72)Name of Inventor :

1)NANNONI FABIO

2)BALLERIO DANTE

(57) Abstract :

A retractable helicopter landing gear (4) has a suspension structure (10) supporting one wheel (8), and is movable between a withdrawn position, to reduce drag on the helicopter (1), and a lowered position for landing and takeoff of the helicopter (1). The landing gear (4) also has a skid (40), which is located between the axis of rotation (9) of the wheel (8) and the periphery of the wheel (8), is diametrically opposite the suspension structure (10), and is connected to the suspension structure (10) by a connecting device (42) having a torsion bar (43).



No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.3153/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : AIRCRAFT

(51) International classification	:B64C
(31) Priority Document No	:09425544.5
(32) Priority Date	:30/12/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AGUSTA S.P.A

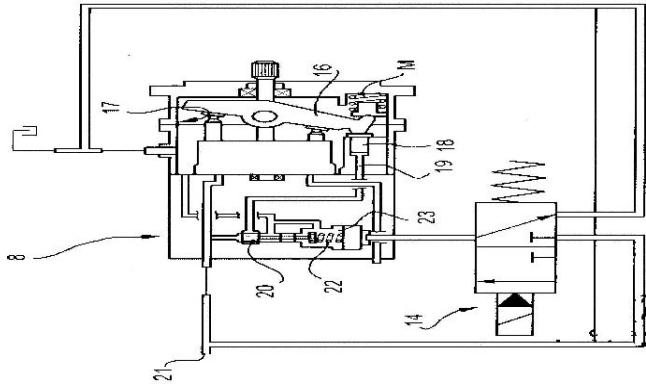
Address of Applicant :520 FRAZIONE CASCINA COSTA -  
VIA GIOVANNI AGUSTA, SAMARATE ITALY. Italy

(72)Name of Inventor :

1)VANNI ROBERTO

(57) Abstract :

An aircraft (1) having at least one in-flight attitude control system (4, 5), in turn having at least one actuator (6; 7); and a hydraulic circuit connected to the actuator (6; 7) and having at least one pump (8) designed to deliver a first flow when the pressure of the hydraulic circuit is above a presettable threshold value. The pump (8) is designed to deliver a second flow greater than the first flow, and the aircraft (1) has a sensor (11a, 11b, 12, 13) for detecting a quantity associated with the pressure of the hydraulic circuit; and a programmable central control unit (10), which controls the pump (8) to deliver the second flow when the quantity detected by the sensor (11a, 11b, 12, 13) corresponds to a pressure of the hydraulic circuit below the threshold value.



No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5060/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : POWER PLANT WITH CO<sub>2</sub> CAPTURE

(51) International classification	:F02C
(31) Priority Document No	:08172886.7
(32) Priority Date	:24/12/2008
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2009/067630
Filing Date	:21/12/2009
(87) International Publication No	:WO 2010/072710
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ALSTOM TECHNOLOGY LTD

Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND

(72)Name of Inventor :

- 1)HONGTAO LI
- 2)HOLGER NAGEL
- 3)JURGEN HOFFMANN
- 4)CELINE MAHIEUX
- 5)FRANCOIS DROUX
- 6)CHRISTOPH RUCHTI
- 7)MANFRED WIRSUM

(57) Abstract :

Since CO<sub>2</sub> is identified as a main greenhouse gas, its capture and storage is essential to control global warming. Flexible, optimized operation of CCPPs (combined cycle power plants) with a CO<sub>2</sub> capture system (18) will increase the competitiveness of CCPPs designed for CO<sub>2</sub> capture and will allow earlier introduction of this kind of plants. The main objective of the present invention is to provide a method for the optimized operation of a CCPP with flue gas recirculation and CO<sub>2</sub> capture system (18) as well as a plant designed to operate according to this method. To this end a combination of two parameters to optimize the overall plant efficiency is proposed. These are CO<sub>2</sub> concentration in the flue gases, and the re- cooling temperature of the recirculated flue gases. Additionally it is found to be advantageous to control the flue gas flow, which is sent to the CO<sub>2</sub> capture system (18). These parameters are given as functions over load to optimize the overall plant efficiency including the CO<sub>2</sub> capture system (18). Besides the method a power plant designed to operate according to this method is subject of the present invention. Further, admixing of oxygen or oxygen enriched air to the gas turbine inlet gases (3) to enhance operability is proposed. (Fig. 1)

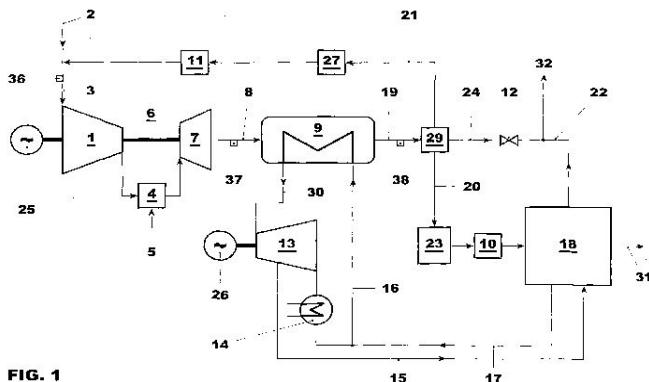


FIG. 1

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2926/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : GATHERING AND SCATTERING MULTIPLE DATA ELEMENTS

---

(51) International classification

:G06F

(31) Priority Document No

:12/644,440

(32) Priority Date

:22/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

- 1)HUGHES, CHRISTOPHER**
- 2)CHEN, YEN-KUANG (Y.K.)**
- 3)BOMB, MAYANK**
- 4)BRANDT, JASON W.**
- 5)BUXTON, MARK J.**
- 6)CHARNEY, MARK J.**
- 7)CHENNUPATY, SRINIVAS**
- 8)CORBAL, JESUS**
- 9)DIXON, MARTIN, G.**
- 10)GIRKAR, MILIND B.**
- 11)HALL, JONATHAN C**
- 12)IDO, HIDEKI (SAITO)**
- 13)LACHNER, PETER**
- 14)NEIGER, GILBERT**
- 15)NEWBURN, CHRIS J.**
- 16)PARTHASARATHY, RAJESH S.**
- 17)TOLL, BRET L.**
- 18)VALENTINE, ROBERT**
- 19)WIEDEMEIER, JEFFREY G.**

(57) Abstract :

According to a first aspect, efficient data transfer operations can be achieved by: decoding by a processor device, a single instruction specifying a transfer operation for a plurality of data elements between a first storage location and a second storage location; issuing the single instruction for execution by an execution unit in the processor; detecting an occurrence of an exception during execution of the single instruction; and in response to the exception, delivering pending traps or interrupts to an exception handler prior to delivering the exception.

No. of Pages : 30 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2927/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DMI REDUNDANCY IN MULTIPLE PROCESSOR COMPUTER SYSTEMS

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(51) International classification	:G06F
(31) Priority Document No	:12/644,540
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE  
BLVD.,M/S: RNB4-150, SANTA CLARA, CA 95052, U.S.A.

(72)Name of Inventor :

**1)KELLY, BRIAN**

**2)KASPER, MICHAEL J.**

(57) Abstract :

In accordance with various aspects of the disclosure, a method and apparatus are disclosed that includes aspects of monitoring a first processor of a computer by a monitoring module for a first processor instability; determining if the first processor is stable based on the monitored first processor instability; routing operational priority to a second processor of the computer through a multiplexer module if the first processor is determined not to be stable, wherein a first desktop management interface of the first processor and a second desktop management interface of the second processor are in communication with the multiplexer module and wherein the first processor and the second processor are in communication by a processor interconnect; and operating the computer using the second processor.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3006/DEL/2010 A

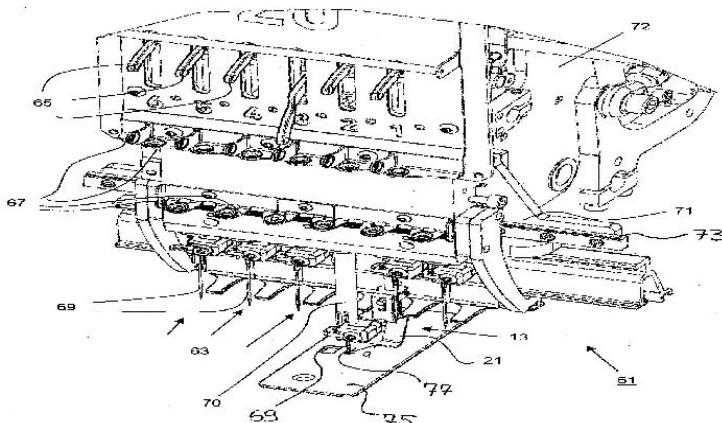
(43) Publication Date : 04/10/2013

(54) Title of the invention : MULTI-HEAD EMBROIDERY MACHINE

(51) International classification	:D05C	(71) Name of Applicant :
(31) Priority Document No	:01970/09	1) LAESSER AG
(32) Priority Date	:18/12/2009	Address of Applicant : HOHENEMSERSTRASSE 17, 9444
(33) Name of priority country	:Switzerland	DIEPOLDSAU, SWITZERLAND
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1) FRANZ LAESSER
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An embroidery machine, in particular a multi-needle embroidery machine, has at least one embroidery head mounted on a carrier (71), which embroidery head has a plurality of needle positions (63). The needle positions (63) are arranged in a displaceable manner relative to an embroidering position in a displacement direction laterally along the carrier (71). Each needle position (63) comprises, according to definition, all of the essential stitch forming members such as a thread leader (65), various thread guide devices (67) and a needle (69) disposed on a needle tappet (70). Each of the needle tappets (70) together with the needles (69) arranged thereon can be respectively moved backwards and forwards or up and down by a needle drive unit in a first direction. Each embroidery head has associated therewith a lower thread unit which supplies the lower thread. A transmission (15) mounted on a frame (72) effects the synchronous movement of the stitch forming members of the upper thread unit and the lower thread unit. The multi-needle embroidery machine described is characterised in that for each embroidery head, at least one fabric presser unit (11) having an axially movable fabric presser (13) is provided on the frame (72) at a distance from the needle tappet (70).



No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5073/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MEASURING DEVICE FOR DETERMINATION OF AT LEAST ONE PARAMETER OF A BLOOD SAMPLE

(51) International classification	:G01N 21/05
(31) Priority Document No	:A 79/2009
(32) Priority Date	:19/01/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/050239
Filing Date	:12/01/2010
(87) International Publication No	:WO 2010/081790
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SMART MEDICAL SOLUTIONS GmbH

Address of Applicant :RAGNITZSTRASSE 14 A-8047  
GRAZ, AUSTRIA

(72)Name of Inventor :

1)K-HLER HANS

(57) Abstract :

The invention relates to a measuring device for determination of at least one parameter of a blood sample, comprising a flow-through measuring cell (1), in which is disposed at least one luminescence-optical sensor element (ST, SO, SG), which can be brought into contact with the blood sample, and at least one light source (4) for excitation of the luminescence-optical sensor element and at least one photodetector (6) for receiving the luminescence radiation emitted by the luminescence-optical sensor element, the light source (4) and the photodetector (6) being located on opposite sides (7) and (8) of the flow-through measuring cell (1). According to the invention the at least one luminescence-optical sensor element (ST, SO, SG) is placed on the excitation side (7) of the flow-through measuring cell (1), which faces the light source (4), and the light source (4) emits excitation radiation of wavelength less than 600 nm, for instance 425 nm, while the luminescence radiation of the luminescence-optical sensor elements (ST, SO, SG) lies in a wavelength range greater than 600 nm, thus exposing the excitation radiation to much stronger absorption by the blood sample than the luminescence radiation. Fig. 1

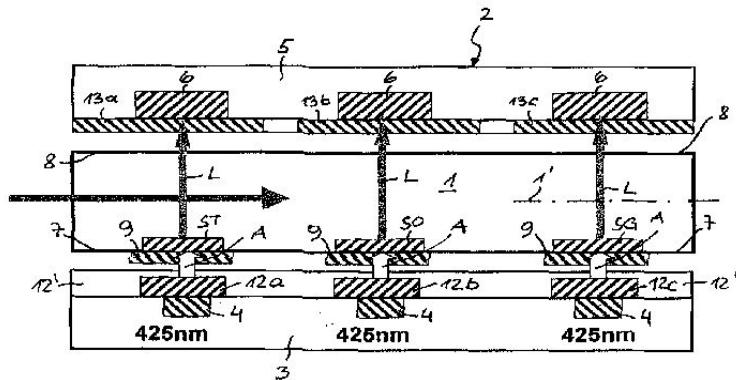


Fig. 1

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2582/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SPLICE SEAM

(51) International classification	:B29C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/617,856	<b>1)LOCKHEED MARTIN CORPORATION</b>
(32) Priority Date	:13/11/2009	Address of Applicant :6801 ROCKLEDGE DRIVE, BETHESDA, MARYLAND 20817, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)PAUL E. LIGGETT</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A splice seam for joining various sections of fabric together is disclosed, wherein the fabric sections are initially delaminated into their constituent plies. The plies associated with each fabric section are then fully interleaved with each other, and bonded together. The amount of surface area between each interleaved plies can be adjusted as so as to achieve a desired level of load carrying strength between the fabric sections.

No. of Pages : 32 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.2584/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : MEDICAL INSTRUMENT

(51) International classification	:A61B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 051 515.1	<b>1)RICHARD WOLF GMBH</b> Address of Applicant :PFORZHEIMER STRASSE 32, 75438
(32) Priority Date	:31/10/2009	KNITTLINGEN, GERMANY
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MANFRED BOEBEL</b>
Filing Date	:NA	<b>2)STEPHAN PRESTEL</b>
(87) International Publication No	:NA	<b>3)DIPL.-ING. EBERHARD KORNER</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ERNST FALK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A medical instrument on the proximal side comprises a handle, and a shank which is rotatably arranged on the handle. A tool is arranged on the distal end of the shank. This tool is rotatable relative to the shank. An actuation element is arranged on the handle and may be moved into at least two switch positions, wherein in a first switch position it is coupled in movement to the shank and in a second switch position it is coupled in movement to the tool.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2010

(21) Application No.2776/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CIRCUITS AND METHODS FOR CONTROLLING DIMMING OF A LIGHT SOURCE

(51) International classification

:H05B

(31) Priority Document No

:12/834,672

(32) Priority Date

:12/07/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

A controller for controlling dimming of a light source includes a detection pin, an input signal pin, and a monitoring pin. The detection pin is operable for monitoring a rectified voltage and for detecting whether the rectified voltage comes from a TRIAC dimmer or an on/off switch dimmer. The input signal pin is operable for receiving an input signal indicative of the rectified voltage and the controller controls dimming of the light source according to the input signal if the rectified voltage comes from a TRIAC dimmer. The monitoring pin is operable for receiving a monitoring signal indicating an operation of the on/off switch dimmer and the controller controls dimming of the light source according to the monitoring signal if the rectified voltage comes from an on/off switch dimmer.

No. of Pages : 44 No. of Claims : 23

(71)Name of Applicant :

**1)O2 MICRO, INC.**

Address of Applicant :3118 PATRICK HENRY DRIVE  
SANTA CLARA, CALIFORNIA 95054 U.S.A.

(72)Name of Inventor :

**1)YUNG LIN LIN**

**2)CHING-CHUAN KUO**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2010

(21) Application No.2910/DEL/2010 A

(43) Publication Date : 04/10/2013

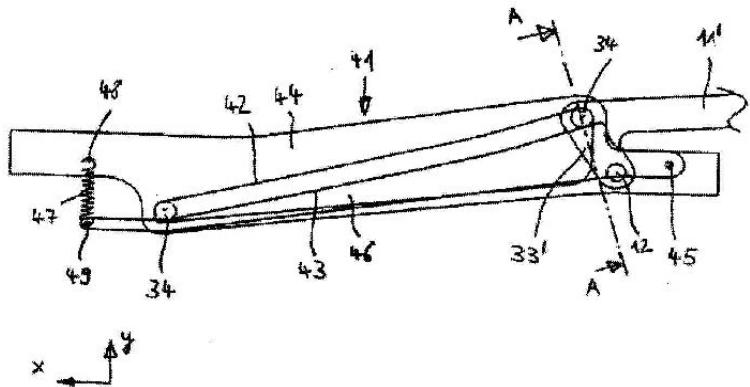
(54) Title of the invention : SLIDING DOOR FOR A VEHICLE

(51) International classification	:B60J	(71)Name of Applicant :
(31) Priority Document No	:10 2009 058 583.4	<b>1)DURA AUTOMOTIVE BODY &amp; GLASS SYSTEMS GMBH</b>
(32) Priority Date	:17/12/2009	Address of Applicant :KOENIGSTRASSE 57, D-58840 PLETTENBERG, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)GERHARD HEUEL 2)MICHAEL KREHMKE 3)RALF ROTTMANN</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A sliding door for a vehicle includes a guide rail, a sliding carriage and a guide pin (34). The sliding carriage is longitudinally displaceably journaled at the guide rail and is connected by a multijoint to the vehicle body. The guide pin (34) is guided in a guide track (41) provided at the sliding door. To improve such a sliding door, the guide track (41) includes a first guide track (42) and a second guide track (43) which is elastically biased (47) with respect to the first guide track (42) (Fig. 4).

Fig. 4



No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/06/2011

(21) Application No.3072/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : INSECTICIDAL COMPOUNDS FROM NOTHAPODITES FOETIDA AND PROCESS FOR THE EXTRACTION THEREOF

(51) International classification	:A01N	(71) <b>Name of Applicant :</b> <b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b> Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SWATI PRAMOD JOSHI</b> <b>2)JOHN PEREIRA</b> <b>3)PHOOL KUMAR PATANJALI</b> <b>4)SUNITA SHARAD KUNTE</b> <b>5)KIRAN BABASAHEB SONAWANE</b> <b>6)SURESH GURAPPA MUMMIGATTI</b> <b>7)SUMITHRA DEVI SANNA</b> <b>8)KRISHNAIAH ERAIAH HULLUKERE</b> <b>9)SEEMA CHAUDHARY</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to an insecticidal enriched extract (biopesticide) isolated from the stem of *Nothapodites foetida* (Wight) Sleumer (formerly *Mappiafoetida* (Miers) useful for the insect free storage and transport of grains and seed. The insecticidal activity of the enriched extract (biopesticide) of the invention is ascribed to compound/s other than camptothecin. The invention further relates to the process for preparation thereof.

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5079/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ON-BOARD NETWORK FOR VEHICLE HAVING START-STOP-SYSTEM

(51) International classification	:H02J 7/34
(31) Priority Document No	:10 2009 000 046.1
(32) Priority Date	:07/01/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/064866
Filing Date	:10/11/2009
(87) International Publication No	:WO 2010/078982
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GmbH

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

1)MUELLER, WOLFGANG

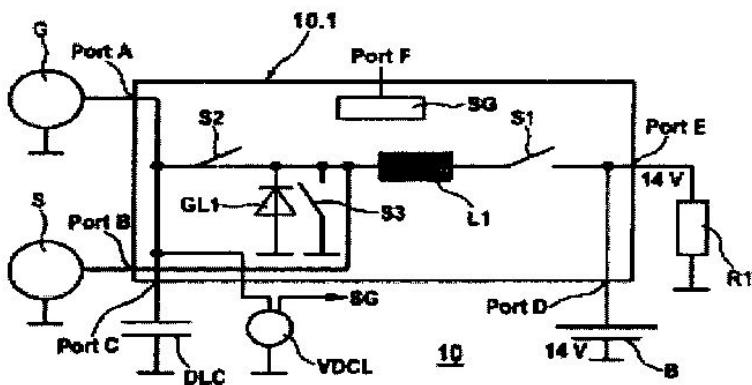
2)REITEMANN, GUENTER

3)MERKLE, MICHAEL

4)ABELE, MARCUS

(57) Abstract :

The present subject matter relates to an on-board network (10) for a vehicle having a start-stop-system. The on-board network (10) comprises a central module (10.1) having a control unit (SG) and switching elements (S1, S2, S3), wherein the central module (10.1) comprises connection points (Port A, Port B, Port C, Port D, Port E, Port F) for the connection of further components of the on-board network (10).



**Fig. 1**

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.2721/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ELECTROMAGNETIC VALVE FOR CONTROLLING AN INJECTOR OR FOR REGULATING PRESSURE OF A HIGH-PRESSURE FUEL ACCUMULATOR

(51) International classification	:F16K
(31) Priority Document No	:0905823
(32) Priority Date	:02/12/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)ROBERT BOSCH GMBH**

Address of Applicant :WERNERTRASSE 1, 70442-STUTTGART, GERMANY

(72)Name of Inventor :

**1)JENS LEISTER**

**2)MARCO BEIER**

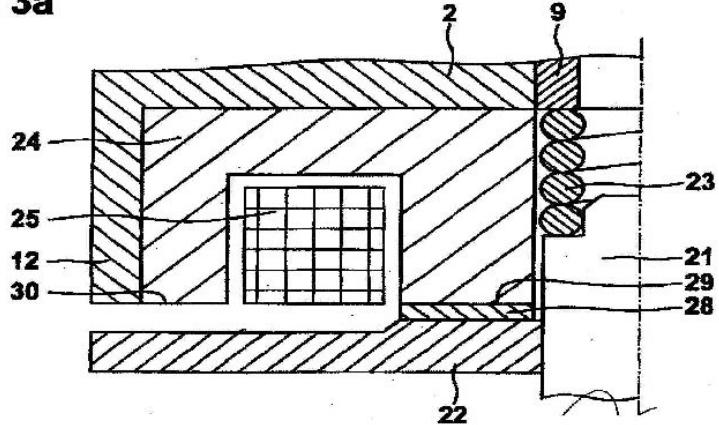
**3)PIERRE MARIE ROCHAS**

**4)OLIVER RAIN**

(57) Abstract :

Electromagnetic valve, particularly for controlling a fuel injector or for regulating the pressure of a high-pressure fuel accumulator, comprising a casing (2), an electromagnet (24, 25) formed of a yoke (24) and an electromagnetic coil (25) housed in the latter, and an armature (22) in one or more parts. An abutment disk (28) is provided between the transverse face of the armature (22) turned towards the yoke (24) and the transverse face facing the yoke (24), this abutment disk (28) being made of a magnetized or magnetizable material, particularly of a ferromagnetic material. Figure 3a

**Fig. 3a**



No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2010

(21) Application No.2789/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A NOVEL PHARMACEUTICAL COMPOSITION COMPRISING CEFIXIME, OFLOXACIN AND CLAVULANIC ACID TO TREAT MICROBIAL INFECTIONS

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)AKUMS DRUGS &amp; PHARMACEUTICALS LIMITED</b> Address of Applicant :304, MOHAN PLACE, LSC, BLOCK-C, SARASWATI VIHAR, DELHI-34. India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)MR. SANJEEV JAIN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to the pharmaceutical dosage form comprising a cephalosporin and a quinolone with a beta lactamase inhibitor, which shows the synergistic effect against the infection caused by a variety of microorganisms.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5085/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A TOUCH SENSING APPARATUS AND METHOD OF OPERATING THE SAME

---

(51) International classification	:B60B
(31) Priority Document No	:0802531-4
(32) Priority Date	:05/12/2008
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2009/051364
Filing Date	:02/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FLATFROG LABORATORIES AB**

Address of Applicant :Traktorvgen 11 S-226 60 Lund  
Sweden.

(72)Name of Inventor :

**1)Christer F...HRAEUS**

**2)Henrik WALL**

**3)Ola WASSVIK**

**4)Tomas CHRISTIANSSON**

---

(57) Abstract :

A touch sensing apparatus is controlled to determine the position of one or more objects (7) that interact with a touch surface (1). The apparatus includes a group of emitters (2) arranged to emit light to illuminate at least part of the touch surface (1), a light detector (4) arranged to receive light from the group of emitters (2), and a processing element (7). Each emitter (2) is controlled to transmit a code by way of the emitted light such that the code identifies the respective emitter (2). The codes may at least partly be transmitted concurrently. The codes may be selected such that a value of an autocorrelation of each code is significantly higher than a value of a cross-correlation between any two codes of different emitters (2). The processing element processes an output signal from the light detector (4) to separate the light received from the....

No. of Pages : 49 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5086/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : COOLING METHOD AND APPARATUS

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(51) International classification	:B62B
(31) Priority Document No	:2008906214
(32) Priority Date	:03/12/2008
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2009/001577
Filing Date	:03/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)ANDREWS POWER AUSTRALIA LTD

Address of Applicant :PO Box 621 Katoomba NSW 2780 Australia

(72)Name of Inventor :

1)Graham ANDREWS

(57) Abstract :

A cooling method and apparatus which uses an absorption cycle with ammonia as the refrigerant and in which a generator (31,34) converts a liquid ammonia solution into ammonia gas or vapour for supply to a condenser (36) in which the ammonia gas or vapour is condensed into a liquid ammonia solution. The liquid ammonia solution is supplied to an evaporator (39) in which liquid ammonia is evaporated into ammonia gas or vapour to thereby absorb heat and an absorber (43) absorbs the ammonia gas or vapour back into an ammonia solution. The evaporator (39) includes a reservoir or bulb (40) which retains portion of the liquid ammonia solution which is converted back into an ammonia gas or liquid by exposure to ambient heat and returned to the condenser (36) for recycling.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5087/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PET CONTAINER AND COMPOSITIONS HAVING ENHANCED MECHANICAL PROPERTIES AND GAS BARRIER PROPERTIES

(51) International classification	:B60B
(31) Priority Document No	:61/121,034
(32) Priority Date	:09/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/067127
Filing Date	:08/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)THE COCA-COLA COMPANY**

Address of Applicant :One Coca-Cola Plaza NW Atlanta GA 30313 United States of America.

(72)**Name of Inventor :**

**1)KRIESEL Robert**

**2)HUANG Xiaoyan**

**3)SCHIAVONE Robert**

**4)FREEMAN T. Edwin**

**5)PENESCU Mihaela**

---

(57) Abstract :

A container comprising a polyester composition with enhanced mechanical properties is provided. The polyester composition comprises a polyester and a creep control agent. In particular embodiments, the polyester composition comprises a polyester, a creep control agent, and a gas barrier additive. In particular embodiments, the creep control agents are molecules or polymers comprising dianhydrides, bis-lactams, bis-oxazoles, and epoxides.

No. of Pages : 68 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5088/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POURING PORT, METHOD FOR PRODUCING SAME AND CONTAINER FOR LIQUID PROVIDED WITH THE POURING PORT

(51) International classification	:B60B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-001043	<b>1)Fujimori Kogyo Co. Ltd.</b>
(32) Priority Date	:06/01/2009	Address of Applicant :1-23-7 Nishi-Shinjuku Shinjuku-ku
(33) Name of priority country	:Japan	Tokyo 160-0023 JAPAN
(86) International Application No	:PCT/JP2009/071418	(72) <b>Name of Inventor :</b>
Filing Date	:24/12/2009	<b>1)Toyoaki SUZUKI</b>
(87) International Publication No	: NA	<b>2)Koichi MIURA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pouring port of a container for liquid at one end of which a rubber stopper allowing the penetration of an injection needle therethrough is embedded, wherein: the pouring port is formed by welding a port part, at least the innermost layer of which forming the discharge channel thereof comprises a resin containing a COP-based resin as the main component, with a stopper body part, which holds the rubber stopper and comprises a resin containing a COP-based resin as the main component, via the resin layers containing the respective COP-based resins as the main component: and at least the resin constituting the stopper body part.....

No. of Pages : 44 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5089/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CONTAINER AND COMPOSITION WITH DIESTER GAS BARRIER ENHANCING COMPOUNDS

(51) International classification	:C11B
(31) Priority Document No	:61/121,036
(32) Priority Date	:09/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/067058
Filing Date	:08/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)THE COCA-COLA COMPANY**

Address of Applicant :One Coca-cola Plaza NW Atlanta GA 30313 United States of America.

(72)Name of Inventor :

**1)KRIESEL Robert**

**2)HUANG Xiaoyan**

**3)SCHIAVONE Robert**

**4)FREEMAN T. Edwin**

---

(57) Abstract :

A container comprising a polyester composition with enhanced carbon dioxide and oxygen barrier properties is provided. The polyester composition comprises a polyester and a gas barrier enhancing additive. In a particular embodiment, the gas barrier enhancing additive comprises a compound having the chemical formula: X-(X1)s-COO-(X2)t- X3-(X4)u-OOC-(X5)v-X6 or X-(X1)s-OOC-(X2)t -X3-(X4)u-COO-(X5)v-X6

No. of Pages : 72 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5090/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MOBILE CRUSHER

(51) International classification	:G09G
(31) Priority Document No	:10 2008 060 459.3
(32) Priority Date	:05/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/008608
Filing Date	:03/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)THYSSENKRUPP F-RDERTECHNIK GMBH

Address of Applicant :ThyssenKrupp Allee 1 45143 Essen  
GERMANY.

(72)Name of Inventor :

1)Horst KOLLETH

2)Frank SEEH-FER

(57) Abstract :

The invention relates to a mobile crusher for milling material, particularly dug mineral material. The mobile crusher comprises two crawler tracks (2), a support frame (4) connected to the crawler tracks, a material receiving arm (6) that is supported by the support frame (4) and has a receiving hopper (6b) and a conveyor belt (6a), a milling device (8) for milling the dug material and a material transfer arm (10) for transporting the milled material to another device (12) separate from the crusher. According to the invention, a deflection shield (14) for clearing dug material off the subgrade is provided in front of each of the crawler tracks (2) in the forward travel direction (V).

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5091/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF GRID GENERATION FOR DISCRETE FRACTURE MODELING

(51) International classification	:B41J
(31) Priority Document No	:61/119,604
(32) Priority Date	:03/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/066632
Filing Date	:03/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)CHEVRON U.S.A. INC.**

Address of Applicant :6001 Bollinger Canyon Road San Ramon California U.S.A.

(72)Name of Inventor :

**1)MALLISON Bradley Thomas**

**2)HUI Mun-Hong**

(57) Abstract :

Computer-implemented systems and methods are provided for generating accurate grids that can be used for simulation of highly complex subsurface reservoirs, such as fractured subsurface reservoirs. A representation of a fractured subsurface reservoir and an explicit discrete fracture represented within the fractured subsurface reservoir are provided. The representation of the fractured subsurface reservoir is decomposed into polyhedral cells. Interfaces between the polyhedral cells are selected to approximate the discrete fracture explicitly represented within the fractured subsurface reservoir. The selected interfaces are used to produce a grid that can be used for constructing a simulation model of the fractured subsurface reservoir.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2011

(21) Application No.5092/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTIPLE ANISOTROPIC PARAMETER INVERSION FOR A TTI EARTH MODEL

(51) International classification	:G01L
(31) Priority Document No	:12/327,671
(32) Priority Date	:03/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/061612
Filing Date	:22/10/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)SUN Yonghe**

**2)WANG Yue**

**3)XU Tong**

**4)ZHANG Leonard Lin**

---

(57) Abstract :

A method for determining values of anisotropic model parameters of a Tilted Transversely Isotropic (TTI) Earth model, the anisotropic parameters including P-wave velocity (Vp0) along a tilted symmetry axis, the Thomsen anisotropy parameters representative of variations of wave velocities as a function of wave propagation angle from the symmetry axis, the method including acquiring input data for a geological volume of interest; determining a theoretical relationship between the input data and the anisotropic model parameters; and calculating the values of the anisotropic model parameters at each of a plurality of subsurface locations in the geological volume of interest based on the theoretical relationships and the input data using workflows involving iterative or sequential combinations of processes including input data preprocessing, conventional tomographic inversion, three dimensional tomographic inversion based on a tilted transversely isotropic model, and three dimensional pre-stack depth migration using a tilted transversely isotropic model.

No. of Pages : 21 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4845/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CATIONIC POLYMER THICKENERS

(51) International classification	:C11D 3/37
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/050077
Filing Date	:06/01/2010
(87) International Publication No	:WO 2010/078959
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)S.P.C.M.SA**

Address of Applicant :ZAC DE MILIEUX 42160  
ANDREZIEUX BOUTHEON, FRANCE

(72)Name of Inventor :

**1)BLONDEL FREDERIC**

(57) Abstract :

Cationic polymer thickener consisting of a crosslinked water swellable cationic polymer containing at least one cationic monomer and optionally non-ionic and or anionic monomers wherein said polymer comprises less than 25% of water soluble polymeric chain by total weight of the polymer, and a cross-linking agent concentration of from 500 ppm to 5000 ppm relative to the polymer.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4846/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SUPPORT SHELVES FOR GASIFIER DOME AND THEMOCUPLE

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(51) International classification	:F23N 5/10
(31) Priority Document No	:12/350,578
(32) Priority Date	:08/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/068408
Filing Date	:17/12/2009
(87) International Publication No	:WO 2010/080479
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

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NEW YORK 12345 U.S.A.

(72)**Name of Inventor :**

**1)TABER WADE ALBERT**

(57) Abstract :

A gasifier lining comprises a first support shelf located directly under a dome area of the gasifier lining; and a second support shelf located directly under a thermocouple that penetrates the gasifier lining. A method of producing a gasifier comprising support shelves comprises providing a first support shelf directly under a thermocouple insertion area in a lining of the gasifier; and providing a second support shelf in the lining of the gasifier directly under a dome area of the gasifier.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4847/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : IMPROVED OLED STABILITY VIA DOPED HOLE TRANSPORT LAYER

(51) International classification	:H01L 51/50
(31) Priority Document No	:61/121,991
(32) Priority Date	:12/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/059198
Filing Date	:01/10/2009
(87) International Publication No	:WO 2010/068330
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)UNIVERSAL DISPLAY CORPORATION

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(72)Name of Inventor :

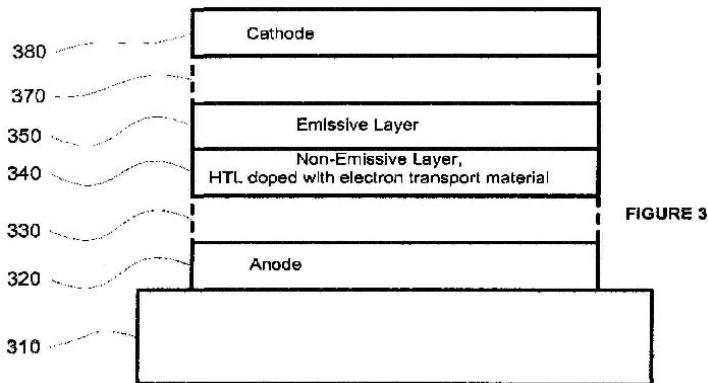
1)ADAMOVICH, VADIM

2)D'ANDRADE, BRIAN

3)WEAVER, MICHAEL S.

(57) Abstract :

An organic light emitting device is provided. The device includes an anode and cathode. A first organic layer is disposed between the anode and the cathode. The first organic layer is an emissive layer that includes a first organic emitting material. The device also includes a second organic layer disposed between the anode and the first organic layer. The second organic layer is a non-emissive layer. The second organic layer includes an organic small molecule hole transport material having a concentration of 50 to 99 wt%, and an organic small molecule electron transport material having a concentration of 0.1 to 5 wt%. Other materials may be present.



No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4848/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : OLIGONUCLEOTIDES, SULFURIZING REAGENTS AND THEIR USE FOR OLIGONUCLEOTIDE SYNTHESIS

(51) International classification	:C07H 21/04
(31) Priority Document No	:61/140,391
(32) Priority Date	:23/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2009/067902
Filing Date	:23/12/2009
(87) International Publication No	:WO 2010/072831
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GIRINDUS AMERICA, INC

Address of Applicant :8560 READING ROAD,  
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(72)Name of Inventor :

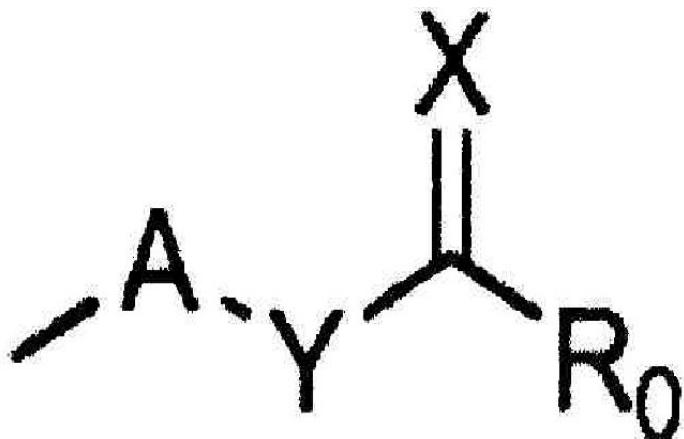
1)MAZUR, WIESLAW ADAM

2)HE, YIGANG

3)SOROKIN, VICTOR

(57) Abstract :

An oligonucleotide which comprises at least one internucleotide linkage comprising a P-S-R bond and at least two nucleosides, wherein R corresponds to the formula (I) wherein A is a geminally substituted alkylene group, preferably CH<sub>2</sub>, X and Y are independently selected from S and O, and R<sub>0</sub> is selected from the group consisting of optionally substituted carbon bonded organic residue, such as in particular optionally substituted alkyl or aryl, SR<sub>x</sub>, OR<sub>x</sub> and NR<sub>x</sub>R<sub>y</sub> wherein Rx and/or Ry are selected from H and organic residues and at least Rx is a substituent other than H. Another object of the invention is a sulfurizing agent useful for oligonucleotide manufacture and the manufacture thereof.



No. of Pages : 50 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2011

(21) Application No.4989/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD OF MODULATING HSF-1

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(51) International classification	:A61K 38/00
(31) Priority Document No	:61/120,542
(32) Priority Date	:08/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/067118
Filing Date	:08/12/2009
(87) International Publication No	:WO 2010/077642
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)NORTHWESTERN UNIVERSITY**

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(72)**Name of Inventor :**

**1)RICHARD I. MORIMOTO**

**2)SANDY WESTERHEIDE**

**3)JULIUS ANCKAR**

**4)LEA SISTONEN**

**5)BARBARA CALAMINI**

---

(57) Abstract :

The present invention is directed to methods of modulating HSF1 activity comprising modifying the acetylation of the DNA binding domain of the HSF1.

No. of Pages : 88 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5141/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PRESSURE-SENSITIVE ADHESIVE TAPE PACKAGE

---

(51) International classification	:A61F 13/02
(31) Priority Document No	:P2008-320248
(32) Priority Date	:16/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/070820
Filing Date	:14/12/2009
(87) International Publication No	:WO 2010/071104
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)HISAMITSU PHARMACEUTICAL CO., INC.**

Address of Applicant :408, TASHIRODAIKAN-MACHI,  
TOSU-SHI, SAGA 841-0017 JAPAN

(72)**Name of Inventor :**

**1)ISAO MIYACHI**

**2)YUICHI TAKANO**

**3)HIROMITSU TSUNODA**

---

(57) Abstract :

A pressure-sensitive adhesive tape package is disclosed in which while easiness in applying the adhesive tape is pursued, an effect of saving in resources can be obtained. The pressure-sensitive adhesive tape package according to the present invention 10 accommodates an adhesive tape 14 having a support 18 and an adhesive agent layer 12 provided on one surface of the support 18, and includes a release sheet 16 releasably attached to the adhesive agent layer 12. Moreover, in the pressure-sensitive adhesive tape package 10, the release sheet 16 is bent along a predetermined bending line with the adhesive tape 14, and the adhesive tape 14 is sealed inside of the bent release sheet 16. According to such a configuration, the conventionally existing package separated from the release sheet can be eliminated. Moreover, when the release sheet 16 is opened while the release sheet 16 is released from the adhesive agent layer 12 of the adhesive tape 14, an half of the adhesive agent layer 12 is exposed; accordingly, application to the portion for application is easy.

No. of Pages : 56 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.2835/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SOLAR MOUNTING FRAMES & MOUNTING PROCEDURES

(51) International classification	:H01L
(31) Priority Document No	:P201031054
(32) Priority Date	:12/07/2010
(33) Name of priority country	:Spain
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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LOCAL ZARAGOZA, 50 ZARAGOZA 50015, SPAIN

**2)SOLSYS ENGINEERING (INDIA) PVT. LTD.**

(72)Name of Inventor :

**1)FAGUAS PERIBANEZ FERNANDO**

**2)ADIEGO GRACIA ANGEL**

(57) Abstract :

Support structure for solar panels and mounting method thereof, characterized by being comprised of fixed and adjustable pole height, clamping omegas, several straps, tie fastened cleats, forming a grid to support and anchor the solar panels positioned vertically or horizontal, in order to ensure the inclination of the solar panels built into the structure in relation to the solar latitude of the place where the installation is done, showing a mounting method understood by the assembly steps of the base, grate assembly, anchoring system of solar panels by staples, assembly and positioning means gradual stiffening of the solar panels. The present invention provides the main advantage of the tilt position of the structure, since the height adjustable front posts to move it between 15 ° and 30 °.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2010

(21) Application No.2980/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYNCHRONIZATION OF SPORADIC WEB POLL TRAFFIC

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:61/287,454	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:17/12/2009	Address of Applicant :SE-164 83 STOCKHOLM (SE)
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)EINARSSON, TORBJORN
(87) International Publication No	:NA	2)BRODIN, PER-ERIK
(61) Patent of Addition to Application Number	:NA	3)WILLARS, PER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Polling performed by multiple applications running on a device is coordinated. A central scheduling function can, for example, periodically issue polling event messages to the applications. The applications can, in turn, request the transmission of polling signals to their respective servers to request application updates. By coordinating transmission of polling signals battery consumption and network communication resources can be optimized.

Ref. Fig : Fig 3

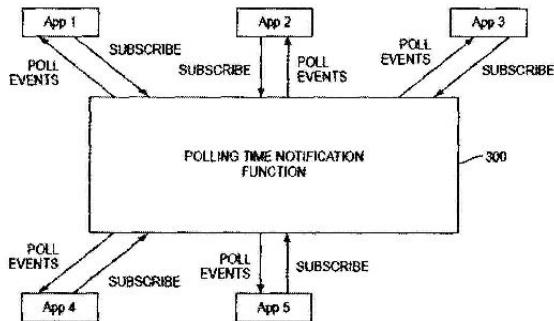


FIG. 3

No. of Pages : 36 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2010

(21) Application No.2982/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RESIN INFUSION APPARATUS AND SYSTEM, LAYUP SYSTEM, AND METHODS OF USING THESE

(51) International classification

:B29C

(31) Priority Document No

:12/648,404

(32) Priority Date

:29/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)VAN NIEUWENHOVE STEFAAN GUIDO**

**2)KOERWIEN THOMAS**

**3)QUEK SHU CHING**

**4)MIEBACH THOMAS**

---

(57) Abstract :

A resin infusion apparatus (200) and system, layup system comprising the same, and methods of using these are provided. The resin infusion apparatus (200) comprises a hollow cylinder (202) having a plurality of pores (212) perforating an arcuate surface (204, 206) thereof. The interior of the cylinder is provided with one or more flow restrictors (218) that assist in controlling the flow out of the pores of the cylinder. Laminates made of prepgres prepared using the apparatus and/or system may thus be essentially free of voids.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4868/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : STAINLESS STEEL FLUX-CORED WELDING WIRE FOR THE WELDING OF GALVANIZED STEEL SHEETS AND PROCESS FOR ARC WELDING OF GALVANIZED STEEL SHEETS WITH THE SAME

(51) International classification	:B23K 35/368
(31) Priority Document No	:2008-333667
(32) Priority Date	:26/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/062161
Filing Date	:26/06/2009
(87) International Publication No	:WO 2010/073763
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NIPPON STEEL CORPORATION**

Address of Applicant :6-1 MARUNOUCHI 2-CHOME,  
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(72)**Name of Inventor :**

**1)SHINJI KODAMA**

**2)KENICHI ASAI**

**3)MANABU MIZUMOTO**

**4)YOSHINARI ISHIDA**

---

(57) Abstract :

A stainless steel flux-cored welding wire for zinc-coated steel sheet welding use which gives a weld zone where no zinc embrittlement cracking occurs and the corrosion resistance and ductility are excellent and which is good in weld work efficiency and a welding method using the same, the welding wire characterized in that total amounts of elements which are included as metals or alloy compositions in the sheath and flux are, by mass% with respect to a total mass of the welding wire, C: 0.01 to 0.05%, Si: 0.1 to 1.5%, Mn: 0.5 to 3.0%, Ni: 7.0 to 10.0%, and Cr: 26.0 to 30.0%, an F value is 30 to 50 in range, further, the wire contains, as slag forming agents, in the flux, by mass% with respect to the total mass of the wire, TiO<sub>2</sub>: 3.8 to 6.8%, SiO<sub>2</sub>: 1.8 to 3.2%, ZrO<sub>2</sub>: 1.3% or less, and Al<sub>2</sub>O<sub>3</sub>: 0.5% or less, a total amount of the slag forming agent and other slag forming agents is 7.5 to 10.5%, furthermore, the TiO<sub>2</sub> satisfies, by mass% with respect to the total amount of slag forming agents, TiO<sub>2</sub>: 50 to 65%, and a balance of the sheath and flux is Fe and unavoidable impurities.

No. of Pages : 41 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5173/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : 3.1.0 BICYCLIC GLYTI INHIBITORS AND METHODS OF MAKING AND USING SAME

(51) International classification	:A61K 31/397
(31) Priority Document No	:61/141,030
(32) Priority Date	:29/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069716
Filing Date	:29/12/2009
(87) International Publication No	:WO 2010/078248
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VANDERBILT UNIVERSITY

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TRANSFER 305 KIRKLAND HALL, NASHVILLE, TN 37240,  
U.S.A.

(72)Name of Inventor :

1)LINDSLEY, CRAIG, W.  
2)CONN, P., JEFFREY  
3)WEAVER, CHARLES, DAVID  
4)NISWENDER, COLLEEN, M.  
5)WILLIAMS, RICHARD  
6)JONES, CARRIE, K.  
7)SHEFFLER, DOUGLAS, J.

---

(57) Abstract :

In one aspect, the invention relates to compounds which are useful as as inhibitors of glycine type 1 transporter (GlyT1) activity; synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of treating disorders associated with glycine type 1 transporter (GlyT1) activity using the compounds and compositions. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present invention.

No. of Pages : 122 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.3024/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MOULD FOR MANUFACTURING A COMPOSITE PART INCLUDING AT LEAST ONE FIBRE REINFORCED MATRIX

(51) International classification

:B29C

(31) Priority Document No

:EP10001532

(32) Priority Date

:15/02/2010

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SIEMENS AKTIENGESELLSCHAFT**

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MUNCHEN, GERMANY

(72)Name of Inventor :

**1)CHRISTIANSEN; LARS FUGLSANG**

**2)HANSEN; SVEND LYNGE SCHULTZ**

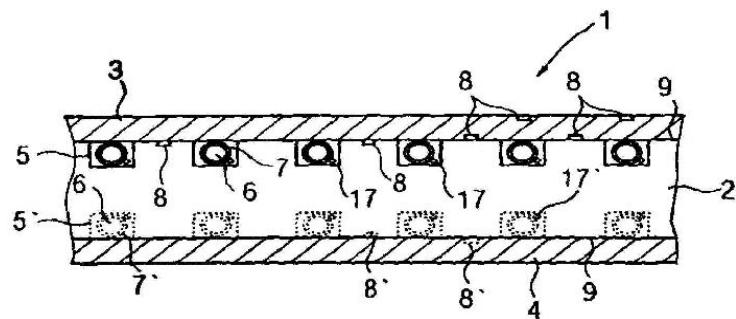
**3)JACOBSEN; IB**

**4)JAKOBSEN; JOHNNY**

**5)JENSEN; MICHAEL**

(57) Abstract :

Mould for manufacturing a composite part including at least one fibre reinforced matrix Mould (1) for manufacturing a composite part including at least one fibre reinforced matrix, in particular a wind turbine blade, comprising - at least one thermal insulating core layer (2) disposed between at least one inner laminate layer (3) and at least one outer laminate layer (4) and - at least one heating and/or cooling means disposed in contact or in close proximity to the inner and/or outer laminate layer (3, 4) . FIG. 1



**FIG-1**

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5181/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CONNECTING DEVICE FOR CONNECTION TO A SOLAR MODULE AND SOLAR MODULE WITH SUCH A CONNECTING DEVICE

(51) International classification	:H01L 31/048
(31) Priority Document No	:102008062034.3
(32) Priority Date	:12/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/066232
Filing Date	:02/12/2009
(87) International Publication No	:WO 2010/066619
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TYCO ELECTRONICS AMP GMBH

Address of Applicant :AMPERESTRASSE 12 - 14, D - 64625  
BENSHEIM, GERMANY

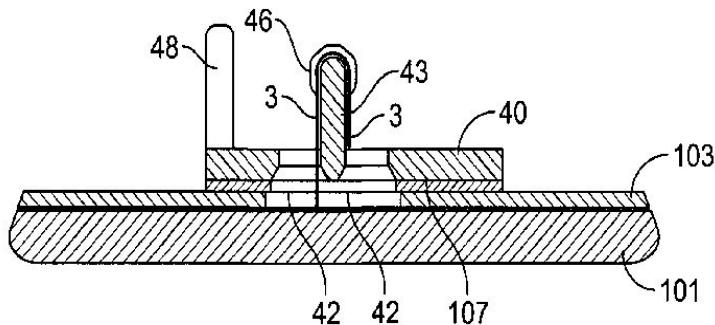
(72)Name of Inventor :

1)ACKERMANN, GERHARD

2)SCHAARSCHMIDT, MANFRED

(57) Abstract :

A connecting device (1) for connection to an electrical connection system (3, 104) of a solar module (100) comprises a connector housing (10) for arranging on an outer face (103) of the solar module and current-carrying components (21 to 24, 31 to 33, 51) arranged in the connector housing (10), which components comprise at least one contact (51) for connection to a conductor (3) of the electrical connection system of the solar module, which conductor leads out from the solar module. A connection device (40), which may be arranged inside the connector housing (10), for positioning the conductor (3) which leads out from the solar module is also provided, it being possible for the connection device (40) and the contact (51) to be arranged relative to one another in such a way that the contact (51) is initially guided contactlessly along the conductor which leads out, so as to contact said conductor (3) which leads out, and contacts the conductor which leads out in an end position. Reliable contact is thus possible without displacing the conductor (3) which leads out. Fig. 4



**Fig. 4**

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5182/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HIGH-CURRENT PLUG-IN CONNECTOR

(51) International classification	:H01R 13/04
(31) Priority Document No	:102008061934.5
(32) Priority Date	:12/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/066229
Filing Date	:02/12/2009
(87) International Publication No	:WO 2010/066618
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :AMPERESTRASSE 12 -14, D - 64625  
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(72)Name of Inventor :

**1)BRAUN, HOLST**

**2)FELDMEIER, GUENTER**

**3)LAMPERT, ZOLTAN**

**4)SCHNURPFEIL, THOMAS**

---

(57) Abstract :

The present invention relates to high-current plug-in connectors, in particular to unipolar high-current plug-in connectors for wind turbine generator systems, which can be arranged beside one another in a space-saving manner and can also meet high requirements on the current-carrying capacity. According to the invention, this is achieved in that cross-sections of which the longitudinal extent exceeds the transverse extent are selected for the plug-in and coupling contact. This means that the dimension in the transverse direction can be restricted and simultaneously the cable cross-section and the contact surface required from an electrical point of view are provided by the increased longitudinal extent. Moreover, the plug and the coupling comprise a visible mechanical coding, which prevents accidental reversal of the polarity of adjacently arranged cables.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5183/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOSITIONS OF PROTEIN RECEPTOR TYROSINE KINASE INHIBITORS

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(51) International classification	:C07D 487/04
(31) Priority Document No	:61/120,827
(32) Priority Date	:08/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/067197
Filing Date	:08/12/2009
(87) International Publication No	:WO 2010/077680
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)VM PHARMA LLC**

Address of Applicant :45535 NORTHPORt LOOP EAST,  
FREMONT, CALIFORNIA, UNITED STATES OF AMERICA.

(72)Name of Inventor :

**1)WU, JAY JIE-QIANG**

**2)WANG, LING**

(57) Abstract :

The present invention relates to novel synthetic substituted heterocyclic compounds and pharmaceutical compositions containing the same that are capable of inhibiting or antagonizing a family of receptor tyrosine kinases, Tropomyosin Related Kinases (Trk), in particular the nerve growth factor (NGF) receptor, TrkA. The invention further concerns the use of such compounds in the treatment and/or prevention of pain, cancer, restenosis, atherosclerosis, psoriasis, thrombosis, or a disease, disorder or injury relating to dysmyelination or demyelination or the disease or disorder associated with abnormal activities of NGF receptor TrkA.

No. of Pages : 98 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2010

(21) Application No.2965/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TRANSFER LAYER FOR ABSORBENT ARTICLE

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(51) International classification

:A61F

(31) Priority Document No

:12/695,326

(32) Priority Date

:28/01/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TREDEGAR FILM PRODUCTS CORPORATION**

Address of Applicant :1100 BOULDERS PARKWAY,  
RICHMOND, VA 23225, U.S.A.

(72)Name of Inventor :

**1)SEYLER RICKY J.**

**2)RIEKER GREGORY M.**

(57) Abstract :

A film particularly suited for use as a transfer layer in an absorbent article has a plurality of capillaries and a plurality of drains, said capillaries comprising side walls depending from a female side of the film and terminating in an aperture on a male side of the film; said drains comprising side walls that depend from the female side of the film and terminating in an aperture on the male side of the film, wherein the drains are disposed at an obtuse angle relative to a base plane of the film.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3043/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : VEHICLE BODY REAR STRUCTURE

(51) International classification	:B62D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-294244	<b>1)SUZUKI MOTOR CORPORATION</b>
(32) Priority Date	:25/12/2009	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)KISHINO, KIYOHIRO</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A vehicle body rear structure has a back door 2 for opening and closing a rear opening of a vehicle body, and a latch 4 engageable with and disengageable from a striker 5 fixed in a lower portion of the rear opening, the back door being pivotally connected to an upper portion of the rear opening via two hinges 3 provided so as to be spaced in the vehicle width direction, and the latch being provided in a lower end portion of the back door, the latch 4 and the striker 5 are offset from the center to the side in the vehicle width direction.

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3044/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : MATING DISRUPTANT OF TEA LEAF ROLLER

---

(51) International classification	:A01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-004215	<b>1)SHIN-ETSU CHEMICAL CO., LTD.</b> Address of Applicant :6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN
(32) Priority Date	:12/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)MOCHIZUKI, FUMIAKI</b> <b>2)FUKUMOTO, TAKEHIKO</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

Provided is a mating disruptant of tea leaf roller, an important insect pest of tea leaves, capable of disrupting sex pheromone communication of this pest species and thereby producing a sufficient inhibition effect. Specifically, provided is a mating disruptant of tea leaf roller comprising at least (E)-11-hexadecenal, (Z)-11-hexadecenal and (E)-11-hexadecenol. The (E)-11-hexadecenol is comprised in an amount of preferably from 1 to 100% by weight relative to an amount of (E)-11-hexadecenal. In addition, provided is a method of disrupting mating of tea leaf roller, comprising at least a step of installing the mating disruptant.

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3046/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SHARING RESOURCES BETWEEN A CPU AND GPU

(51) International classification	:G07T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/655,577	<b>1)INTEL CORPORATION</b>
(32) Priority Date	:31/12/2009	Address of Applicant :2200 MISSION COLLEGE BLVD., SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SPRANGLE, ERIC</b>
Filing Date	:NA	<b>2)CRAIGHEAD, MATTHEW</b>
(87) International Publication No	:NA	<b>3)GOODMAN, CHRIS</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KUTTANNA, BELLAPPAA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A technique to share execution resources. In one embodiment, a CPU and a GPU share resources according to workload, power considerations, or available resources by scheduling or transferring instructions and information between the CPU and GPU.

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5194/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POSITIVE ELECTRODE ACTIVE MATERIAL FOR SECONDARY BATTERIES WITH NONAQUEOUS ELECTROLYTIC SOLUTION, PROCESS FOR THE PRODUCTION OF THE ACTIVE MATERIAL, AND SECONDARY BATTERIES WITH NONAQUEOUS ELECTROLYTIC SOLUTION

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(51) International classification	:H01M 4/505
(31) Priority Document No	:2009-010420
(32) Priority Date	:20/01/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/050552 :19/01/2010
(87) International Publication No	:WO 2010/084855
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

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Address of Applicant :1-4, MEIJISHINKAI, OTAKE-SHI  
HIROSHIMA-KEN, JAPAN

(72)Name of Inventor :

1)HIROAKI MASUKUNI  
2)KAZUMICHI KOGA  
3)MASAYUKI UEGAMI  
4)KAZUTOSHI MATSUMOTO

---

(57) Abstract :

The present invention relates to positive electrode active substance particles for lithium ion batteries, comprising lithium manganate particles comprising Li and Mn as main components and having a cubic spinel structure (Fd-3m), wherein primary particles of the positive electrode active substance have a dodecahedral or higher-polyhedral shape in which none of crystal planes equivalent to the (111) plane are located adjacent to each other, and flat crystal planes are crossed with each other to form a clear ridge, and an average primary particle diameter of the primary particles is not less than 1  $\mu\text{m}$  and not more than 20  $\mu\text{m}$ . The positive electrode active substance particles according to the present invention are excellent in packing property, load characteristics and high-temperature stability.

No. of Pages : 58 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2816/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : IMAGING ELEMENT AND CAMERA SYSTEM

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(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	275332	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:03/12/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)TOSHIYUKI NISHIHARA</b>
Filing Date	:NA	<b>2)HIROFUMI SUMI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

An imaging element includes an amplifying transistor. A signal charge from the photodiode is transferable to the gate of amplifying transistor, the photodiode being within a semiconductor substrate. The source and drain of the amplifying transistor are electrically isolated from a semiconductor substrate, wherein the source is within a well or the source and drain are within a silicon-on-insulator layer.

No. of Pages : 65 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.2817/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A BIOPHARMACEUTICAL CLARIFICATION SYSTEM

---

(51) International classification	:C12N
(31) Priority Document No	:60/774,773
(32) Priority Date	:17/02/2006
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:230/DEL/2007
Filed on	:06/02/2007

---

(71)**Name of Applicant :**

**1)MILLIPORE CORPORATION**

Address of Applicant :290 CONCORD ROAD, BILLERICA,  
MASSACHUSETTS 01821, U.S.A.

(72)**Name of Inventor :**

**1)DAVID P. YAVORSKY**

(57) Abstract :

A biopharmaceutical clarification system, comprising a bioreactor and a sterile filter downstream of said bioreactor, and further comprising a composite filter media as hereinbefore described, said composite filter media being downstream of said bioreactor and upstream of said sterile filter.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3049/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : DUAL PIPE FOR CONCRETE TRANSFER AND MANUFACTURING METHOD THEREOF

(51) International classification	:B21C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0008365	<b>1)CHOI, TAEBEOM</b> Address of Applicant :25-21 YEOK-DONG, GWANGIU-SI, GYEONGGI-DO, Republic of Korea
(32) Priority Date	:29/01/2010	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)CHOI, TAEBEOM</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed therein are a dual pipe for concrete transfer used in a pump car (and the like), and a method of manufacturing the concrete transferring dual pipe, which can reduce manufacturing costs and a manufacturing period of time because a casing pipe is formed in such a way that a plate is inclinedly wound and welded along the outer circumference of a core pipe. The dual pipe for concrete transfer includes: a core pipe (10) made of a wear-resistant metallic material; and a casing pipe (20) made of a metallic material with toughness for protecting the core pipe (10), which is inserted into the casing pipe (20), from an external impact, wherein the casing pipe (20) is formed in such a way that a band plate (21) made of a metallic material is inclinedly wound along the outer circumference of the core pipe (10) for the sides of the wound band plate (21) to abut onto each other and the abutting sides are welded. The method of manufacturing the dual pipe for concrete transfer includes: a first process of preparing a core pipe (10) made of a wear-resistant metallic material and a band plate (21) made of a metallic material with toughness; a second process of adhering the band plate (21) onto the core pipe (10) and winding the band plate (21) along the outer circumference of the core pipe (10) in a cylindrical form at an inclination angle for the sides of the wound band plate (21) to abut onto each other; a third process of forming a casing pipe (20) by welding the abutting sides of the band plate (21); and a fourth process of cutting out both end portions of the casing pipe (20) into a circular cross section and welding flanges (30) to both ends of the casing pipe (20) to complete the dual pipe.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5207/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD AND SYSTEM FOR DISPLAYING INTERLINING TRAVEL RECOMMENDATIONS

(51) International classification	:G06Q 10/00
(31) Priority Document No	:08305894.1
(32) Priority Date	:08/12/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/066284
Filing Date	:03/12/2009
(87) International Publication No	:WO 2010/066625
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AMADEUS S.A.S.

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(72)Name of Inventor :

1)CLAVERIE, BEATRICE

2)ARNAUD, ROMAIN

(57) Abstract :

A method for sorting and displaying airline travel recommendations adapted to the display of interlining travel solutions is described. The method is characterized in that it first comprises computing expected airline revenue for each segment operated by a travel carrier involved in the travel recommendation. Then, a weight based on expected airline revenue is determined. This allows sorting the travel recommendations by decreasing order of weights. The interlining travel solutions are displayed accordingly.

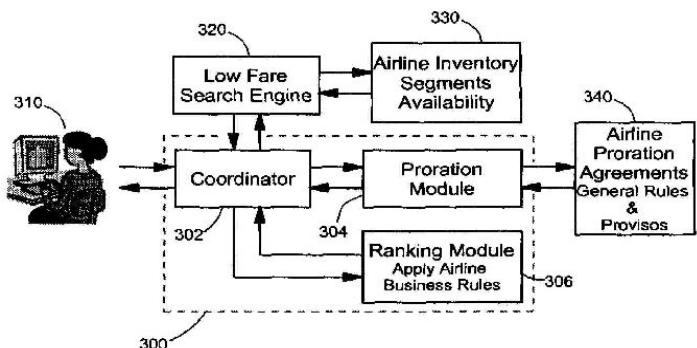


Figure 3

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5208/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POLYMER COMPOSITIONS FOR METAL COATING, ARTICLES MADE THEREFROM AND PROCESS FOR SAME

(51) International classification	:C08J 5/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/140,362	<b>1)E. I. DU PONT DE NEMOURS AND COMPANY</b>
(32) Priority Date	:23/12/2008	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:U.S.A.	WILMINGTON, DELAWARE 19898, UNITED STATES OF
(86) International Application No	:PCT/US2009/69111	AMERICA.
Filing Date	:22/12/2009	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/075337	<b>1)ELIA, ANDRI E.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Metal-coated thermoplastic compositions comprising flat fibrous reinforcing filler have improved resistance to repeated thermal shock. Disclosed herein are metal coated compositions useful in automotive parts, toys, appliances, power tools, industrial machinery, and the like.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5049/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : VEHICLE SEAT, IN PARTICULAR COMMERCIAL VEHICLE SEAT

(51) International classification	:B60N 2/50
(31) Priority Document No	:10 2009 031 415.6
(32) Priority Date	:02/07/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/003889
Filing Date	:24/06/2010
(87) International Publication No	:WO 2011/000526
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)VIKTOR ENNS

2)THOMAS WEBER

3)THOMAS GUNDALL

(57) Abstract :

With a vehicle seat, particularly a commercial-vehicle seat, with a scissor-type stand (3) which is able to vibrate and which is provided with a top frame (7), two first rocker arms (8a) and two second rocker arms (8b), which intersect in pairs at a scissor axis (10) extending in a transverse seat direction (y), wherein the first two rocker arms (8a) are connected with one another at one end by means of a transverse tube (18) which extends in the transverse seat direction (y) and are pivotably mounted on the top frame (7) and able to vibrate in the longitudinal seat direction (x) by means of a bearing mechanism (20), the transverse tube (18) can be locked with the top frame (7) by means of at least one locking device (31). Fig. 1

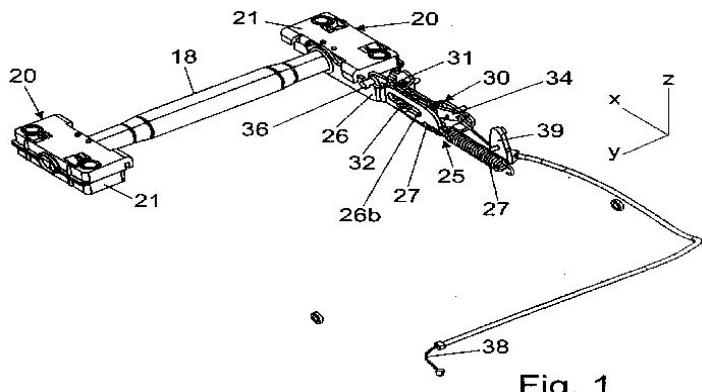


Fig. 1

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5200/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : APPARATUS FOR RAPID MIXING OF MEDIA AND METHOD

(51) International classification	:B01F 3/06
(31) Priority Document No	:PA 2009 00050
(32) Priority Date	:13/01/2009
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2010/050004
Filing Date	:12/01/2010
(87) International Publication No	:WO 2010/081477
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BIOGASOL IPR, ApS

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(72)Name of Inventor :

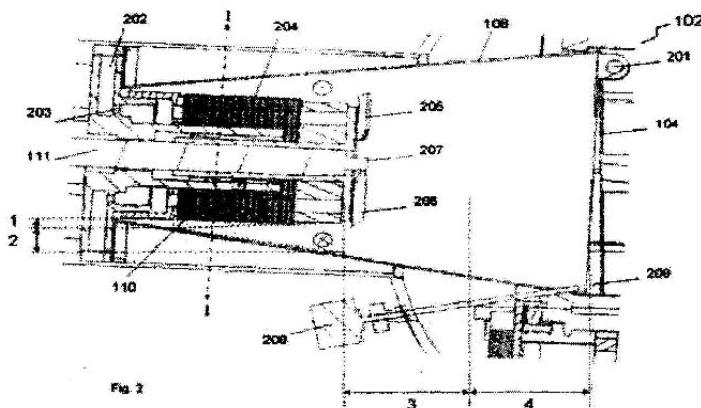
1)BELDRING, FINN

2)LUKIC, DRAGAN

3)HILSTR'M, TROELS

(57) Abstract :

The present invention relates to an apparatus, which can be part of a pre-treatment system in a plant for the production of fuels, e. g. bio-ethanol, derived from plant biomass, e. g. first generation crops, such as grain, sugarcane and com or second generation crops such as lignocellulosic biomass. The invention relates to an apparatus for processing, such as fluffing and mixing, at least two media, such as a solid, e. g. biomass, and a fluid, e. g. steam, so as to rendering the first medium susceptible to efficient receiving of energy and/or mass which is provided by localized release of the second medium. Although the description of the present invention focuses on biomass, it is envisaged that the invention is generally applicable to control the mixing of at least two media by crossing their stream of while dispersing at least one of them.



No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5201/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BLEACHING COMPOSITIONS CONTAINING PERFUME MICROCAPSULES

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(51) International classification	:C11D 3/22
(31) Priority Document No	:09150731.9
(32) Priority Date	:16/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/020618
Filing Date	:11/01/2010
(87) International Publication No	:WO 2010/083124
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)THE PROCTER & GAMBLE COMPANY**

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OH 45202, U.S.A.

(72)Name of Inventor :

**1)BIANCHETTI, GIULIA, OTTAVIA**

**2)EVERS, MARC, FRANCOIS, THEOPHILE**

**3)SMETS, JOHAN**

**4)GRANDE, GIOVANNI**

(57) Abstract :

Liquid compositions, which are chemically and physically stable, comprising peroxygen bleach, perfume microcapsules and less than 10% of surfactant by weight of the total composition. The perfumes microcapsules, preferably, comprise a polymeric outer shell made of the condensation of melamine and formaldehyde. Process for laundering fabrics comprising the step of contacting the fabrics with said bleaching compositions.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5202/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : BLEACHING COMPOSITIONS CONTAINING PERFUME MICROCAPSULES

(51) International classification	:C11D 3/39
(31) Priority Document No	:09150730.1
(32) Priority Date	:16/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/020619
Filing Date	:11/01/2010
(87) International Publication No	:WO 2010/083125
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)THE PROCTER & GAMBLE COMPANY**

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
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(72)Name of Inventor :

**1)BIANCHETTI, GIULIA, OTTAVIA**

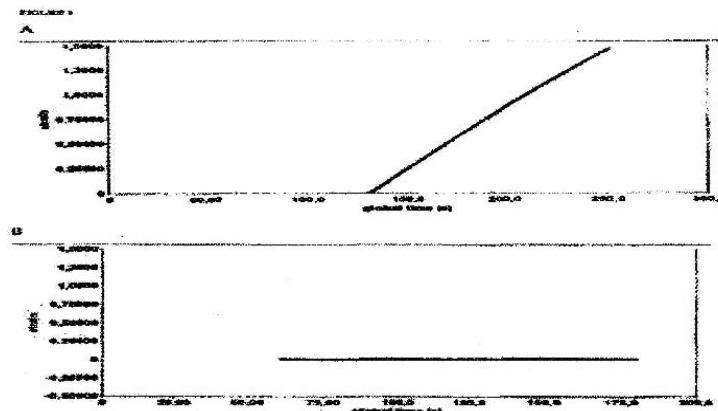
**2)EVERS, MARC, FRANCOIS, THEOPHILE**

**3)SMETS, JOHAN**

**4)GRANDE, GIOVANNI**

(57) Abstract :

Liquid compositions, which are chemically and physically stable, comprising peroxygen bleach, a crystalline hydroxyl-containing stabilizing agent, perfume microcapsules and more than 10% of surfactant by weight of the total composition. The perfumes microcapsules, preferably, comprise a polymeric outer shell made of the condensation of melamine and formaldehyde. Process for laundering fabrics comprising the step of contacting the fabrics with said bleaching compositions.



No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5203/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HYLAURONIC ACID CONTAINING COMPOSITIONS FOR TREATMENT OF WOUNDS, SCARS, POST-SURGICAL ADHESION FORMATION

(51) International classification	:A61K 9/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0900031-6	<b>1)PHARMASURGICS IN SWEDEN AB</b>
(32) Priority Date	:13/01/2009	Address of Applicant :ARVID WALLGRENS BACKE 20, 413 46 GOTEBORG, Sweden
(33) Name of priority country	:Sweden	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/050284	<b>1)MAHLAPUU, MARGIT</b>
Filing Date	:12/01/2010	<b>2)MNNICH, MATTIAS</b>
(87) International Publication No	:WO 2010/081800	<b>3)SJ-STRAND, VERONIKA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to pharmaceutical compositions enhancing the therapeutic effect of biologically active peptides, especially peptides derived from human lactoferrin. The compositions are useful for the treatment and/or prevention of wounds, scars, and post surgical adhesions.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4860/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PAINT COMPOSITION

(51) International classification

:C08G 18/28

(31) Priority Document No

:10 2008 063 085.3

(32) Priority Date

:24/12/2008

(33) Name of priority country

:Germany

(86) International Application No

:PCT/EP09/009254

Filing Date

:23/12/2009

(87) International Publication No

:WO 2010/072412

(61) Patent of Addition to Application Number:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)ANDREAS POPPE**

**2)GUNTER KLEIN**

**3)OLIVER HILGE**

**4)RUI NIIMI**

(57) Abstract :

The present invention relates to coating compositions comprising at least one binder and at least one curing agent. The curing agent comprises an aliphatic polyisocyanate and a CH-acidic compound. The compositions are suitable for use in clearcoats.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4865/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR FABRICATING THERMOELECTRIC DEVICE

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(51) International classification

:H01L

(31) Priority Document No

:200810207957.8

(32) Priority Date

:26/12/2008

(33) Name of priority country

:China

(86) International Application No

:PCT/US2009/067868

Filing Date

:14/12/2009

(87) International Publication No

:WO 2010/075028

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)LIDONG CHEN**

**2)MONIKA BACKHAUS-RICOULT**

**3)LIN HE**

**4)XIAOYA LI**

**5)XUGUI XIA**

**6)DEGANG ZHAO**

---

(57) Abstract :

A method for fabricating thermoelectric device is provided. The method comprises placing a first electrode in a die, forming a first interlayer on an upper surface of the first electrode; positioning a separating plate on an upper surface of the first interlayer to divide an inner space of the die into a plurality of cells, and depositing a first thermoelectric material on the first interlayer within a first fraction of the cells, and depositing a second thermoelectric material on the first interlayer within a second fraction of the cells, sintering the die contents, and removing the separating plate after sintering to obtain a 71 shaped thermoelectric device.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4866/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ETHANAMINE COMPOUNDS AND THEIR USE FOR TREATING DEPRESSION

---

(51) International classification	:C07D 213/38
(31) Priority Document No	:61/140,673
(32) Priority Date	:24/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/SE2009/051493
Filing Date	:22/12/2009
(87) International Publication No	:WO 2010/074647
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)ASTRAZENECA AB,**  
Address of Applicant :S-151 85 SODERTALJE, Sweden  
(72)**Name of Inventor :**  
**1)MICHAEL BALESTRA**  
**2)PETER BERNSTEIN**  
**3)GLEN E. ERNST**  
**4)WILLIAM FRIETZE**  
**5)JOHN P. MCCAULEY**  
**6)DAVID NUGIEL**  
**7)LIHONG SHEN**

---

(57) Abstract :

The present invention is directed to ethanamine compounds, pharmaceutical compositions comprising the same, and methods of treating depression by administering the ethanamine compound.

No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5163/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF ENTECAVIR

(51) International classification	:C07F 7/08
(31) Priority Document No	:60/432,549
(32) Priority Date	:11/12/2002
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2003/039554 :10/12/2003
(87) International Publication No	:WO 2004/052310
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filed on	:2181/DELNP/2005 :24/05/2005

(71)Name of Applicant :

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**3)SUNIL S. PATEL**

**4)JEFFREY M. EVANS**

**5)JING LIANG**

**6)DAVID R. KRONENTHAL**

**7)GERALD L. POWERS**

**8)SIVA JOSYULA PRASAD**

**9)JEFFREY T. BIEN**

**10)ZHONGPING SHI**

**11)RAMESH N. PATEL**

**12)AMIT BANERJEE**

**13)YEUNG Y. CHAN**

**14)SUSHIL K. RIJHWANI**

**15)AMBARISH K. SINGH**

**16)SHAOENG WANG**

**17)MILAN STOJANOVIC**

**18)DAVID J. KUCERA**

**19)RICHARD POLNIASZEK**

**20)CHARLES LEWIS**

**21)JOHN THOTTATHIL**

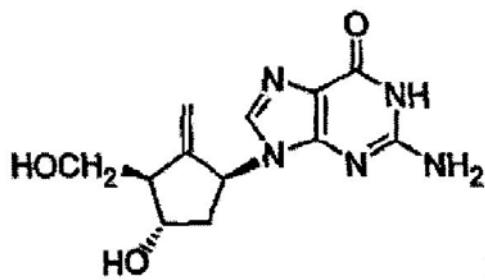
**22)DHILEEPKUMAR KRISHNAMURTY**

**23)MAOTANG X. ZHOU**

**24)PURUSHOTHAM VEMISHETTI**

(57) Abstract :

The present invention relates to a process for the preparation of entecavir having the formula:



No. of Pages : 106 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5164/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A COMPOUND

(51) International classification

:C07F 7/08

(31) Priority Document No

:60/432,549

(32) Priority Date

:11/12/2002

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2003/039554

Filing Date

:10/12/2003

(87) International Publication No

:WO 2004/052310

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:2181/DELNP/2005

Filed on

:24/05/2005

(71)Name of Applicant :

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(72)Name of Inventor :

**1)YADAGIRI R. PENDRI**

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**3)SUNIL S. PATEL**

**4)JEFFREY M. EVANS**

**5)JING LIANG**

**6)DAVID R. KRONENTHAL**

**7)GERALD L. POWERS**

**8)SIVA JOSYULA PRASAD**

**9)JEFFREY T. BIEN**

**10)ZHONGPING SHI**

**11)RAMESH N. PATEL**

**12)AMIT BANERJEE**

**13)YEUNG Y. CHAN**

**14)SUSHIL K. RIJHWANI**

**15)AMBARISH K. SINGH**

**16)SHAOPENG WANG**

**17)MILAN STOJANOVIC**

**18)DAVID J. KUCERA**

**19)RICHARD POLNIASZEK**

**20)CHARLES LEWIS**

**21)JOHN THOTTATHIL**

**22)DHILEEPKUMAR KRISHNAMURTY**

**23)MAOTANG X. ZHOU**

**24)PURUSHOTHAM VEMISHETTI**

---

(57) Abstract :

The present invention relates to a compound of formula: or a salt thereof wherein; Ra is allyl, phenyl, C1 to C6 alkylpheayl or C1 to C6 alkoxyphenyl; Rb is C1 to C6 alkyl; Rm is-CO2R6 or-CH2OR6; R5 is hydrogen or a hydroxy protecting group; and R6 is hydrogen, C1 to C4 alkyl, or benzyl.

No. of Pages : 104 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5166/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF AN ESTER

(51) International classification

:C07F 7/08

(31) Priority Document No

:60/432,549

(32) Priority Date

:11/12/2002

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2003/039554

Filing Date

:10/12/2003

(87) International Publication No

:WO 2004/052310

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:2181/DELNP/2005

Filed on

:24/05/2005

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(72)Name of Inventor :

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**3)SUNIL S. PATEL**

**4)JEFFREY M. EVANS**

**5)JING LIANG**

**6)DAVID R. KRONENTHAL**

**7)GERALD L. POWERS**

**8)SIVA JOSYULA PRASAD**

**9)JEFFREY T. BIEN**

**10)ZHONGPING SHI**

**11)RAMESH N. PATEL**

**12)AMIT BANERJEE**

**13)YEUNG Y. CHAN**

**14)SUSHIL K. RIJHWANI**

**15)AMBARISH K. SINGH**

**16)SHAOPENG WANG**

**17)MILAN STOJANOVIC**

**18)DAVID J. KUCERA**

**19)RICHARD POLNIASZEK**

**20)CHARLES LEWIS**

**21)JOHN THOTTATHIL**

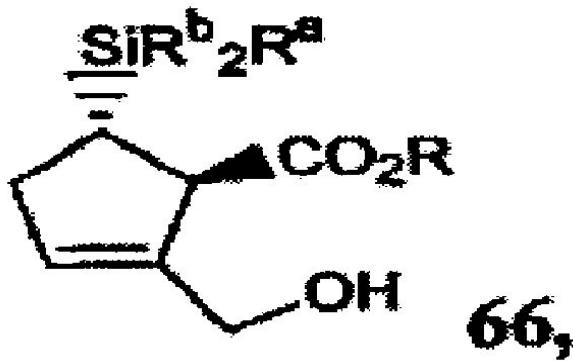
**22)DHILEEPKUMAR KRISHNAMURTY**

**23)MAOTANG X. ZHOU**

**24)PURUSHOTHAM VEMISHETTI**

(57) Abstract :

The present invention relates to a process for the preparation of an ester of the formula:



No. of Pages : 104 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5169/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : STRIPPING COLUMN AND PROCESS FOR EXTRACTING A COMPONENT FROM A LIQUID MEDIUM

(51) International classification	:B01D 3/22	(71) <b>Name of Applicant :</b> <b>1)SOLVAY SA</b> Address of Applicant :RUE DU PRINCE ALBERT, 33, B-1050 BRUSSELS, BELGIUM
(31) Priority Document No	:0858915	
(32) Priority Date	:22/12/2008	
(33) Name of priority country	:France	
(86) International Application No	:PCT/EP2009/067140	(72) <b>Name of Inventor :</b>
Filing Date	:15/12/2009	<b>1)CARTAGE, THIERRY</b>
(87) International Publication No	:WO 2010/072612	<b>2)SALTO, ANDREA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RIBEIRO, PEDRO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Stripping column and process for extracting a component from a liquid medium using a gas, the stripping column comprising a vertical column (10) comprising an essentially cylindrical wall (54) the vertical column (10) being divided by horizontal perforated plates (20) into a series of superposed chambers (11, 12, ..., 16, 17), each chamber (11, 12, ..., 16, 17) comprising several vertical partitions (34, 341, 3411, 341II, 34IV, 34v) positioned so as to form chicanes. According to one important aspect of the invention, the vertical partitions (34, 341, 34II, 34III, 34IV, 34v) are attached to the wall (54) of the vertical column (10) and are designed so as to hold the perforated plates (20).

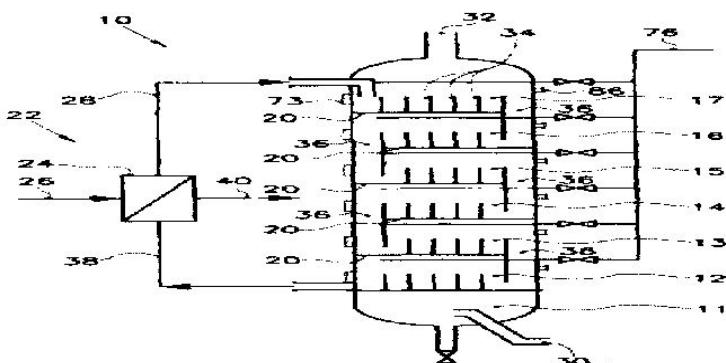


Fig. 1

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5304/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ANTI-INFLAMMATORY MACROLIDE

(51) International classification	:C07H 17/08
(31) Priority Document No	:61/148,609
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/050967
Filing Date	:28/01/2009
(87) International Publication No	:WO /2010/86349
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GLAXO GROUP LIMITED**

Address of Applicant :GLAXO WELLCOME HOUSE,  
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(72)Name of Inventor :

**1)CAROLINE JANE DAY  
2)JULIEN BRUNO DOUILLET  
3)DARKO FILIC  
4)LEANDA JANE KINDON  
5)GORAN KRAGOL  
6)ZORICA MARUSIC-ISTUK**

---

(57) Abstract :

The compound 3'-N-demethyl-4-O-(2-diethylaminoethanoyl)-6-O-methyl-9a-aza-9a- homoerythromycin A, having the Formula (I): or a salt thereof compositions comprising the compound, its use in the treatment of neutrophil dominated inflammatory diseases, and methods for its preparation.

No. of Pages : 62 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4877/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HETEROCYCLIC COMPOUNDS AND METHODS OF USE

(71)Name of Applicant :

1)GENENTECH, INC.

Address of Applicant :1 DNA WAY SOUTH SAN FRANCISCO,CA 94080-4990 U.S.A.

2)THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH

3)ABBOTT LABORATORIES

(72)Name of Inventor :

1)BAELL, JONATHAN, BAYLDON

2)BUI, CHINH, THIEN

3)COLMAN, PETER

4)CZABOTAR, PETER

5)DUDLEY, DANETTE, A.

6)FAIRBROTHER, WAYNE, J

7)FLYGARE, JOHN, A

8)LESSENE, GUILLAUME, LAURENT

9)NDUBAKU, CHUDI

10)NIKOLAKOPO ULOS, GEORGE

11)SLEEBS BRAD, EDMUND

12)SMITH, BRIAN, JOHN

13)WATSON, KEITH, GEOFFREY

14)ELMORE, STEVEN, W

15)HASVOLD, LISA, A.

16)PETROS, ANDREW, M

17)SOUERS, ANDREW, J

18)TAO, ZHI-FU

19)WANG LE

20)WANG XILU

21)DESHAYES, KURT

(51) International classification

:A01N 43/00

(31) Priority Document No

:61/139,492

(32) Priority Date

:19/12/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/068496

Filing Date

:17/12/2009

(87) International Publication No

:WO 2010/080503

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

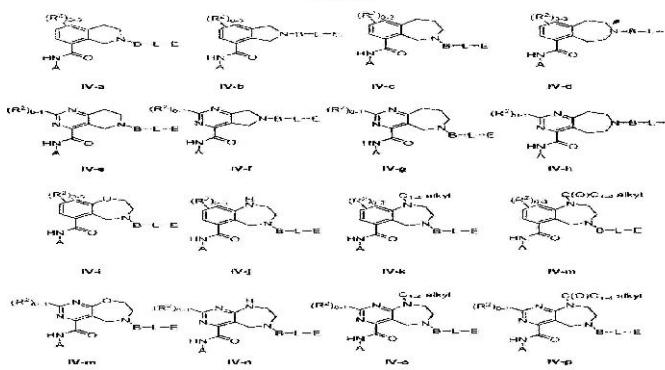
Filing Date

:NA

(57) Abstract :

In one aspect, the present invention provides for a compound of Formula I if in which the variable X<sub>1a</sub>, X<sub>1b</sub>, X<sub>1c</sub>, X<sub>1d</sub>, Q, A, R', B, L, E, and the subscripts m and n have the meanings as described herein. In another aspect, the present invention provides for pharmaceutical compositions comprising compounds of Formula I as well as methods for using compounds of Formula I for the treatment of diseases and conditions (e.g., cancer, thrombocytopenia, etc) characterized by the expression or over-expression of Bcl-2 anti-apoptotic proteins, e.g., of anti-apoptotic BC1-XL proteins. Figure 1

Figure 1



No. of Pages : 268 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5175/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS AND COMPOSITIONS CONTAINING MTOR INHIBITORS FOR ENHANCING IMMUNE RESPONSES

(51) International classification	:A01N 43/04
(31) Priority Document No	:61/144,537
(32) Priority Date	:14/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/021029 :14/01/2010
(87) International Publication No	:WO 2010/083298
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)HEALTH RESEARCH INC.**

Address of Applicant :ELM AND CARLTON STREETS,  
BUFFALO, NY 14263, UNITED STATES OF AMERICA.

(72)**Name of Inventor :**

**1)KIM HYUNG  
2)SHRIKANT PROTUL  
3)WANG YANPING  
4)LI QINGSHENG  
5)RAO RAJESH**

---

(57) Abstract :

Provided are compositions and methods for enhancing immune responses to an antigen. The compositions contain an isolated population of CD8+ T cells and an inhibitor of mammalian target of rapamycin (mTOR). The method for obtaining an enhanced immune response to an antigen in an individual entails administering to the individual the antigen and an inhibitor of mammalian target of rapamycin (mTOR). CD8+ T cells may also be used for adoptive cell transfer (ACT) therapy

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5176/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OVER-ACCELERATION AND OVER-SPEED DETECTION AND PROCESSING SYSTEM

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(51) International classification	:B66B 5/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/001648
Filing Date	:16/03/2009
(87) International Publication No	:WO 2010/107409
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MARVIN DARYL J.**

**2)SCHIENDA GREG A.**

**3)TERRY HAROLD**

**4)DRAPER JAMES M.**

**5)COONEY ANTHONY**

**6)CARBALLO JOSE M.**

---

(57) Abstract :

An elevator system 40 includes an over-acceleration and over-speed protection system capable of triggering a machine room brake and a safety trigger when over-speed or over-acceleration conditions are detected. The system includes a speed detector 42 and an acceleration detector 44. Based upon sensed speed and sensed acceleration, the controller 48 calculates a filtered speed of an elevator mass such as an elevator car 16 or counterweight, and compares the filtered speed to the threshold speed to determine whether an over-speed condition has been reached. The controller 48 activates a machine room brake when an over-speed condition exists, and engages an elevator safety 70A, 70B when it determines that the elevator mass is still in an over-speed condition after the machine room brake has been activated.

No. of Pages : 25 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5319/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PHOTOSENSING DEVICE FOR DIGITAL STEREO SPLICED PICTURE PROJECTION IMAGING AND OPERATION METHOD THEREOF

(51) International classification	:G03B 27/32	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:200810207935.1	<b>1)SHANGHAI YIYING DIGITAL TECHNOLOGY CO., LTD.</b>
(32) Priority Date	:26/12/2008	Address of Applicant :NO. 167, LANE 1776, SOUTH HONGMEI ROAD, MINGANG DISTRICT, SHANGHAI, 200237 (CN) China
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2009/075653	<b>1)GU, JINCHANG</b>
Filing Date	:16/12/2009	
(87) International Publication No	:WO 2010/072124	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A photosensing device for digital stereo spliced picture projection imaging comprises a base (16), a front (43) and a back (25) wall plates located on the base (16), an light sensing platform (24) located slidably on the base (16), an exposure head (1) located above the front (43) and the back (25) wall plates, a longitudinal moving mechanism for moving the exposure head (1), a lateral moving mechanism for connecting the longitudinal moving mechanism with the front (43) and the back (25) wall plates, a pushing equipment located on the light sensing platform (24), a paper feeder located on a side of the light sensing platform (24), and a paper discharging mechanism located on the other side of the light sensing platform (24). The invention improves the resolution and the quality of the digital stereo image effectively. The device has an advantage of automatic process operation. After projection and photosensitization, the photosensitive material is conveyed automatically to the flushing device to be flushed and dried.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5321/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : APPARATUS FOR MOVING STEREO IMAGING LENS AND METHOD FOR DIGITAL STEREO PROJECTION

(51) International classification	:G03B 27/52	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:200810204799.0	<b>1)SHANGHAI YIYING DIGITAL TECHNOLOGY CO., LTD.</b>
(32) Priority Date	:17/12/2008	Address of Applicant :NO. 167, LANE 1776, SOUTH HONGMEI ROAD, MINHANG DISTRICT, SHANGHAI, 200237 (CN) China
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2009/075655	<b>1)GU, JINCHANG</b>
Filing Date	:16/12/2009	
(87) International Publication No	:WO 2010/069255	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for moving a stereo imaging lens, includes: a baseplate(1), a LCD displayer (15) for display an image source, a light source device (4) above the LCD displayer (15), and a lens (5) positioned under the LCD displayer (15). A display surface of the LCD displayer (15) is downwardly embedded into a fixing board (3) horizontally mounted on the baseplate (1). The light source device (4) is mounted on the fixing board (3). The lens (5) is embedded in a lens fixing board (10). The lens fixing board (10) is mounted on the baseplate (1) via a sliding device. The present invention further provides a method for digital stereo projection, the image source obtained by digital devices can be processed for stereopictures with the LCD displayer (15) as display device, and thus has high sensitization accuracy. The focus of the lens (5) according to the present invention can be adjusted by the rail (9) in vertical direction, so as to change the image size, and increase the image effect and size of the stereopictures.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5186/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING ALEGLITAZAR

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(51) International classification	:A61K 9/20
(31) Priority Document No	:09151254.1
(32) Priority Date	:23/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/050343
Filing Date	:13/01/2010
(87) International Publication No	:WO 2010/084066
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)F. HOFFMANN-LA ROCHE AG**

Address of Applicant :GRENZACHERSTRASSE 124, CH-4070 BASEL, SWITZERLAND

(72)Name of Inventor :

**1)GLOMME, ALEXANDER**

**2)WOJTERA, PAUL**

(57) Abstract :

The invention relates to a pharmaceutical composition comprising aleglitazar and to the process of manufacture and uses thereof

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5187/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : 1,1,1-TRIFLUORO-2-HYDROXYPROPYL COMPOUNDS

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(51) International classification	:C07D 207/34
(31) Priority Document No	:09156260.3
(32) Priority Date	:26/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/053736
Filing Date	:23/03/2010
(87) International Publication No	:WO 2010/108902
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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Address of Applicant :GRENZACHERSTRASSE 124, CH-4070 BASEL, SWITZERLAND

(72)Name of Inventor :

**1)HUNZIKER, DANIEL**

**2)LERNER, CHRISTIAN**

**3)MUELLER, WERNER**

**4)OBST SANDER, ULRIKE**

**5)PFLIEGER, PHILIPPE**

**6)WALDMEIER, PIUS**

---

(57) Abstract :

The present invention relates to compounds of formula I wherein R1A to R1e and R2 to R5 are as defined in the description and claims, and pharmaceutically acceptable salts thereof. The compounds are glucocorticoid receptor antagonists useful for the treatment and/or prevention of diseases such as diabetes, dyslipidemia, obesity, hypertension, cardiovascular diseases, adrenal imbalance or depression.

No. of Pages : 254 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5188/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND SECTION FOR COOLING A MOVING METAL BELT BY SPRAYING LIQUID

(51) International classification	:C21D 1/667
(31) Priority Document No	:0900077
(32) Priority Date	:09/01/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/IB2010/050049
Filing Date	:07/01/2010
(87) International Publication No	:WO 2010/079452
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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RIS-ORANGIS, FRANCE

(72)Name of Inventor :

1)CYRIL CLAVEROULAS

2)FR%oD%oRIC MARMONIER

---

(57) Abstract :

The invention relates to a method for monitoring the cooling of a moving metal belt (B) in a cooling section of a continuous processing line by spraying a liquid or a mixture consisting of a gas and a liquid onto the belt, the cooling depending on parameters including the temperature, speed, and current characteristics of a cooling fluid, wherein according to said method: one or more areas are determined in which cooling parameters are such that the local removal of a vapor film on the surface of the hot belt is carried out or capable being carried out, leading to the redampening of the belt; and at least the temperature of the cooling liquid is adjusted as a cooling parameter in the thus-determined area(s) so as to maintain, or return to, a cooling into a vapor film on the surface of the belt, thus resulting in the overheating of the cooling liquid contacting the hot belt.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5323/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DEVICE FOR MOUNTING A GRATING AND A PHOTOSENSITIVE MATERIAL FOR STEREOPROJECTION IMAGING

(51) International classification	:G03B 27/52	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:20081024796.7	<b>1)SHANGHAI YIYING DIGITAL TECHNOLOGY CO., LTD.</b>
(32) Priority Date	:17/12/2008	Address of Applicant :NO. 167 LANE 1776, SOUTH HONGMEI ROAD, MINHANG DISTRICT , SHANGHAI, 200237 (CN) China
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2009/075651	<b>1)GU, JINCHANG</b>
Filing Date	:16/12/2009	
(87) International Publication No	:WO 2010/069252	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for mounting a grating and a photosensitive material for stereoprojection imaging, includes: an enlarging-printing platform; and an exposure head positioned above the enlarging-printing platform; wherein the enlarging-printing platform is a chamber structure, and has a plurality of suction holes provided on an upper surface thereof and at least one exhaust port provided on a side connected with an exhaust device; the device for mounting the grating and the photosensitive material for stereoprojection imaging further includes a compressing mechanism connected with the upper surface. The device for mounting the grating and the photosensitive material provides a real-time composite device for developing stereopictures. With the mounting device, the grating and photosensitive photographic paper need either being combined beforehand, or being developed with the grating after exposure. Therefore, the drawback of high crimp ratio of the grating, high difficulty of developing, bad stereoimaging effect, and high cost is overcome.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5325/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HEAT INTEGRATION FOR HOT SOLVENT STRIPPING LOOP IN AN ACID GAS REMOVAL PROCESS

(51) International classification	:B01D 53/75	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/354,949	<b>1)UOP LLC</b>
(32) Priority Date	:16/01/2009	Address of Applicant :25 EAST ALGONQUIN ROAD, P.O. BOX 5017, DES PLAINES, ILLINOIS 60017-5017, UNITED STATES OF AMERICA.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2009/067872	<b>1)HUANG, RICHARD</b>
Filing Date	:14/12/2009	<b>2)DAVIS, LAMAR A.</b>
(87) International Publication No	:WO 2010/082995	<b>3)LECHNICK, WILLIAM J.</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ZHU, XIN X.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems and processes utilize one or more methods of providing overhead waste process heat to increase the feed temperature of the hot solvent stripping regeneration loop in an acid gas removal process. A heated rich solvent stream can be the primary feed for the hot solvent stripping regeneration loop, and one or more slip streams can be heated and then combined with the heated rich solvent stream to form a combined rich solvent stream prior to further processing in downstream units to remove acid gas from the solvent. A first slip stream can be heated in a stripper gas heat exchanger by heat exchange with a stripped gas stream. A second slip stream can be heated in a regenerator exchanger by heat exchange with an acid gas stream. A third slip stream can be heated in a recycle gas exchanger by heat exchange with a compressed recycle gas stream.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4890/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RESONANCE TYPE NON-CONTACT CHARGING DEVICE

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(51) International classification	:H02J 7/00
(31) Priority Document No	:2008-328830
(32) Priority Date	:24/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071371
Filing Date	:24/12/2009
(87) International Publication No	:WO 2010/074106
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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2)SUZUKI SADANORI  
3)NAKATA KENICHI  
4)SAKODA SHIMPEI  
5)YAMAMOTO YUKIHIRO  
6)ICHIKAWA SHINJI  
7)ISHIKAWA TETSUHIRO

---

(57) Abstract :

A resonance type non-contact charging device includes a high frequency power source, a primary side resonant coil, a secondary side resonant coil, a charger, a secondary battery, and a stop control unit. The primary side resonant coil receives supply of high frequency electric power from the high frequency power source. The secondary side resonant coil is arranged apart from the primary side resonant coil in a non-contact manner. The secondary side resonant coil receives electric power from the primary side resonant coil through magnetic field resonance between the primary side resonant coil and the secondary side resonant coil. The charger receives supply of high frequency electric power from the secondary side resonant coil. The secondary battery is connected to the charger. The stop control unit stops the high frequency power source before stopping the charger when charging is to be stopped.

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2011

(21) Application No.4893/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BAG MEMBER FOR COMPRESSION PREBONDING, HOLDING TOOL FOR PRODUCING LAMINATED GLASS, AND DEVICE OF PRODUCING LAMINATED GLASS AND METHOD OF PRODUCING THE SAME

(51) International classification	:C03C 27/12
(31) Priority Document No	:2008-327866
(32) Priority Date	:24/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071065
Filing Date	:17/12/2009
(87) International Publication No	:WO 2010/073966
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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CHIYODA-KU YOKYO 100-8405 (JP) Japan

**2)AOYAMA RUBBER CO., LTD.**

(72)**Name of Inventor :**

**1)MATSUOKA, HIROYUKI**

**2)ANBO, TSUTOMU**

**3)HIRATA, SHIGERU**

**4)MIZUKAMI, TSUTOMU**

**5)SATO, YOSHIYUKI**

---

(57) Abstract :

A holding tool 2 for use in producing of laminated glass includes a frame 3, a bag member 4 and a supporting member 6b for suspending the bag member 4 from the frame 3. The bag member 4 is made of a film with flexibility and alrtightnass, is provided with a scalable opening and has evaquatng ports 7a and 7b in the vicinity of an periphery of a flat shape thereof having the periphery sealed. The frame 3 has a first frame member 3w and a second frame member 3y opposing each other and dispoaed outside the periphery of the hag member 4., and the bag member 4 is suspended by the supporting member 6b movably against the frame 3 on a holding face formed at least by the first frame member 3w and the second frame member 3y inside an area formed by connecting enda of these frame members.

No. of Pages : 77 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5191/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ENVIRONMENTALLY FRIENDLY LIQUID CONTAINER AND METHOD OF MANUFACTURE

(51) International classification	:B65D 23/02
(31) Priority Document No	:61/139,204
(32) Priority Date	:19/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US09/068766
Filing Date	:18/12/2009
(87) International Publication No	:WO 2010/071815
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)JIM F. WARNER**

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WESTFIELD, NEW JERSEY 07090, UNITED STATES OF  
AMERICA.

(72)**Name of Inventor :**

**1)JIM F. WARNER**

(57) Abstract :

A container for liquids comprising a first portion forming an approximate half container portion; a second portion forming an approximate half container portion, the first and second portions having a generally convex exterior shape with flange portions along perimeters thereof; a liquid impermeable barrier film being disposed on a concave ulterior portion of each of the first and second portions and extending onto the flange portions; the first and second portions being sealed together at the flange portions to form a liquid impermeable container; and there being provided a location on the container for the disposition of a closure device to allow contents of the container, once filled, to be removed.

No. of Pages : 35 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5330/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FUSION PROTEIN CAPABLE OF BINDING VEGF-A AND TNF-ALPHA

(51) International classification	:C07K 19/00
(31) Priority Document No	:61/121,868
(32) Priority Date	:11/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2009/055718
Filing Date	:11/12/2009
(87) International Publication No	:WO 2010/067339
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY**

Address of Applicant :373-1, GUSEONG-DONG,  
YUSEONG-GU, DAEJEON 305-701 KOREA.

**2)KOH GOU YOUNG**

(72)Name of Inventor :

**1)KOH GOU YOUNG**

**2)JUNG KEEHOON**

**3)KOH YOUNG JUN**

**4)KIM SUN CHANG**

(57) Abstract :

The present application describes an isolated nucleic acid molecule encoding a polypeptide capable of synchronously binding VEGF polypeptide and TNF polypeptide comprising: (a) a nucleotide sequence encoding a TNFR2 component and VEGFR1 component operatively linked to (b) a nucleotide sequence encoding a multimerizing component, wherein the TNFR2 component consists essentially of a nucleotide sequence encoding the amino acid sequences of cystein rich domain 1, cystein rich domain 2, cystein rich domain 3, and cystein rich domain 4 of the extracellular domain of TNFR2, and wherein the VEGFR1 component consists essentially of a nucleotide sequence encoding the amino acid sequences of Ig-like domain 2 of the extracellular domain of VEGFR1.

No. of Pages : 76 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2010

(21) Application No.2977/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SOOTBLOWER WITH PROGRESSIVE CLEANING ARC

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(51) International classification	:F23J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/642,210	<b>1)DIAMOND POWER INTERNATIONAL, INC.</b>
(32) Priority Date	:18/12/2009	Address of Applicant :2560 E. MAIN STREET, LANCASTER, OHIO 43130, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)RODNEY H. ELDER</b>
Filing Date	:NA	<b>2)JAMES H. HIPPLE</b>
(87) International Publication No	:NA	<b>3)MICHAEL P. MICHAEL</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ROBERT W. HONAKER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

A sootblower of the short travel rotary furnace wall type having features which permit indexing of the angular position of the screw tube assembly during successive operating cycles. Indexing of the arc swept by the sootblower nozzle is provided through the use of a novel cam plate component and operating the sootblower in a manner which provides for indexing between operating cycles.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2010

(21) Application No.2978/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HUMAN VERIFICATION BY CONTEXTUALLY ICONIC VISUAL PUBLIC TURING TEST

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(51) International classification

:G06F

(31) Priority Document No

:61/284,622

(32) Priority Date

:22/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Abstract :

There is provided a system and method for human verification by a contextually iconic visual public Turing test. There is provided a method comprising receiving a request to verify whether a client is human controlled, selecting, by contextual criteria, a plurality of images each having one or more associated tags from a database, generating a challenge question and a corresponding answer set based on associated tags of a subset of the plurality of images, presenting the plurality of images and the challenge question to the client, receiving a submission to the challenge question from the client, and responding to the request by verifying whether the submission is contained in the answer set to determine whether the client is human controlled. The contextual criteria may comprise subject matter, branding, or intended audience of a content provider sending the request, thereby facilitating human responses while deterring automated systems.

No. of Pages : 24 No. of Claims : 20

(71)Name of Applicant :

**1)DISNEY ENTERPRISES, INC.**

Address of Applicant :500 S. BUENA VISTA STREET,  
BURBANK, CA 91521 (US) U.S.A.

(72)Name of Inventor :

**1)SNELLING, DAVID**

**2)GRUTZIUS, BRIAN**

**3)THOMPSON, SCOTT**

**4)FRITZ, ADAM**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3058/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR IMPREGNATING A HIGH VOLTAGE INSULATION OF A WINDING BAR

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:09180305.6	<b>1)ALSTOM TECHNOLOGY LTD</b>
(32) Priority Date	:22/12/2009	Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)THOMAS BAUMANN</b>
Filing Date	:NA	<b>2)MASSIMILIANO VEZZOLI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention refers to a method for impregnating a high voltage insulation of a winding bar (10), the winding bar (10) comprises a conductive bar (1) around which layers of insulating mica tape defining said high voltage insulation are wrapped. The method comprises: enclosing the winding bar (10) in a flexible sleeve (3), applying the vacuum in the flexible sleeve (3) to extract the gases contained in the insulating mica tape, supplying an impregnating resin into the flexible sleeve (3) to impregnate the mica tape (2), curing the resin. The impregnating resin is supplied into the flexible sleeve (3) at a pressure less than 1.5 bar. (Fig. 2)

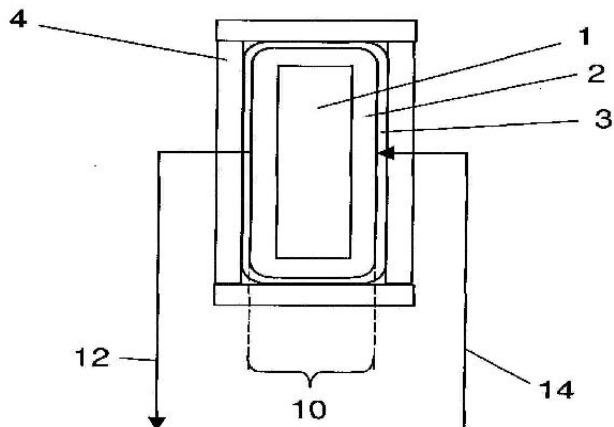


Fig. 2

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3059/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR REALIZING INSULATION AROUND A CONDUCTIVE BAR

(51) International classification

:H02K

(31) Priority Document No

:09180299.1

(32) Priority Date

:22/12/2009

(33) Name of priority country

:EPO

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ALSTOM TECHNOLOGY LTD**

Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND

(72)Name of Inventor :

**1)THOMAS BAUMANN**

**2)MASSIMILIANO VEZZOLI**

**3)THOMAS HILLMER**

**4)THOMAS WIDMER**

**5)DIETER STOLL**

**6)CLEMENS DRANSFELD**

(57) Abstract :

The method for realising an insulation (5) around a conductive bar (1) comprises wrapping an insulating tape (2) around the conductive bar (1), enclosing it into a flexible container (4), applying a vacuum, impregnating the insulating tape (2) with an impregnating resin, curing the impregnating resin and removing the conductive bar (1) with the insulation (5) around it from the flexible container (4). In addition, together with the insulating tape (2), also an impregnating tape (3) made of said impregnating resin is wrapped around the conductive bar (1). In order to impregnate, the impregnating tape (3) is melted. (Fig. 7)

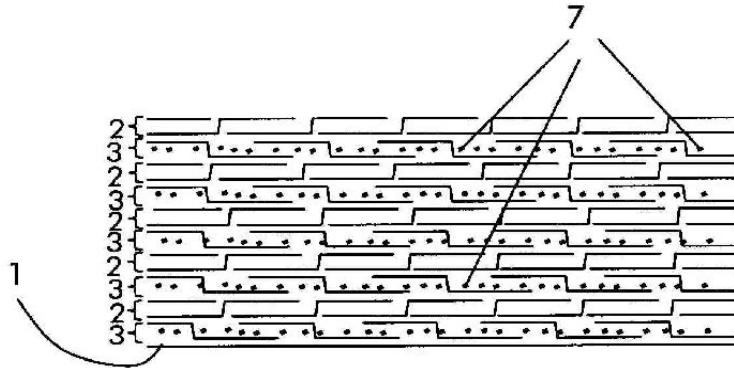


Fig. 7

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2011

(21) Application No.5001/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : MINI-HEPCIDIN PEPTIDES AND METHODS OF USING THEREOF

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(51) International classification

:C07K 7/06

(31) Priority Document No

:61/120,277

(32) Priority Date

:05/12/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/066711

Filing Date

:04/12/2009

(87) International Publication No

:WO 2010/065815

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)THE REGENTS OF THE UNIVERSITY OF  
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Address of Applicant :1111 FRANKLIN STREET, 12TH FLOOR OAKLAND, CALIFORNIA 94607-5200, U.S.A.

(72)Name of Inventor :

**1)GANZ, TOMAS  
2)NEMETH, ELIZABETA  
3)PREZA, GLORIA  
4)RUCHALA, PIOTR**

---

(57) Abstract :

Disclosed herein are peptides which exhibit hepcidin activity and methods of making and using thereof.

No. of Pages : 48 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5410/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SPLIT VALVE

(51) International classification	:F16K 1/22
(31) Priority Document No	:0902324.3
(32) Priority Date	:12/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050228
Filing Date	:12/02/2010
(87) International Publication No	:WO 2010/092395
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)CHARGEPOINT TECHNOLOGY LIMITED**

Address of Applicant :UNIT 80, VENTURA POINT WEST,  
OFF EVANS ROAD, SPEKE, LIVERPOOL, MERSEYSIDE L24  
9PB, UNITED KINGDOM

(72)**Name of Inventor :**

**1)RICHARD ATHOL BARTON**

(57) Abstract :

A split valve apparatus for the control, charging, discharging and/or regulating the flow of powders, liquids, slurries and/or fluids. The valve has two valve portions complementarily shaped such that the first can sealingly engage with and cooperate with the second to allow the flow of material therethrough. Each valve portion comprises a housing, a valve seat and a valve closure member, which is movable between two positions.

No. of Pages : 20 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4838/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : INFLAMMATION TARGETING PARTICLES

(51) International classification	:A61K 9/16
(31) Priority Document No	:PCT/US2008/014001
(32) Priority Date	:23/12/2008
(33) Name of priority country	:PCT
(86) International Application No	:PCT/US2008/014001
Filing Date	:23/12/2008
(87) International Publication No	:WO 2010/074675
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :201 WEST 7TH STREET, AUSTIN, TX 78701 (US). U.S.A.

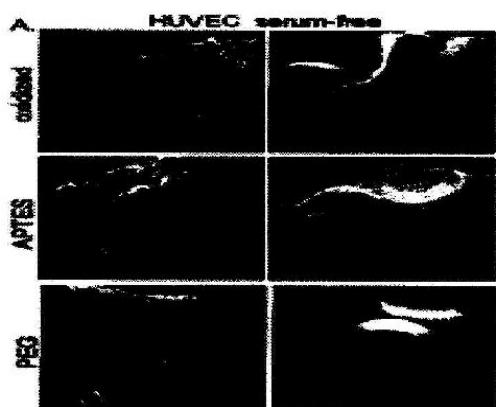
(72)Name of Inventor :

**1)FERRARI, MAURO**

**2)SERDA, RITA**

(57) Abstract :

Opsonizable micro- or nanoparticles, that contain at least one active agent, such as an imaging or therapeutic agent; that have a positive surface charge and that do not contain on their surface targeting ligands, such as antibodies, peptides or aptamers, can be used to treating and/or monitoring a condition associated with an inflammation, such as a cytokine stimulated inflammation.



**FIGURES 1A**

No. of Pages : 30 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4839/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SUPRESSION OF CANCERS

(51) International classification	:A61K 38/00
(31) Priority Document No	:0810782.3
(32) Priority Date	:12/06/2008
(33) Name of priority country	:U.K.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:WO 2009/150470
(61) Patent of Addition to Application Number	:8853/DELNP/2010
Filed on	:10/12/2010
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MADEC, FREDERIC**

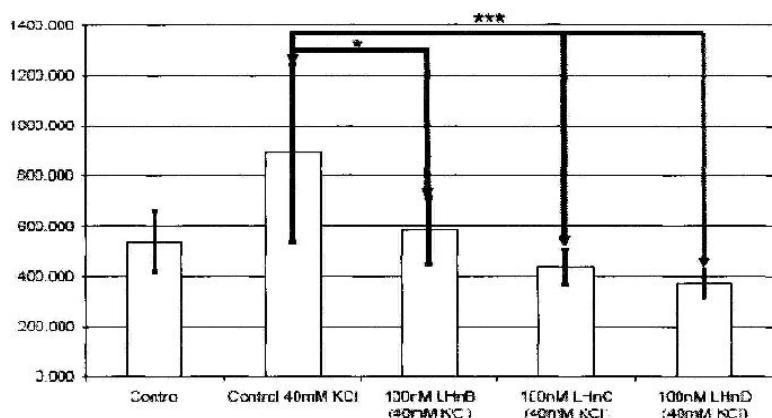
**2)LECANE, PHIL**

**3)MARKS, PHILIP**

**4)FOSTER, KEITH**

(57) Abstract :

The present invention relates to a method for suppressing or treating cancer, in particular to a method for suppressing or treating one or more of colorectal cancer, breast cancer, prostate cancer and/ or lung cancer. The therapy employs use of a non-cytotoxic protease, which is targeted to a growth hormone-secreting cell such as to a pituitary cell. When so delivered, the protease is internalised and inhibits secretion/ transmission of growth hormone from said cell. The present invention also relates to polypeptides and nucleic acids for use in said methods.



No. of Pages : 467 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4840/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INFORMATION LIFE CYCLE MANAGEMENT SYSTEM, INFORMATION MANAGEMENT SERVER APPARATUS, INFORMATION MEDIA CONTROLLING APPARATUS AND PROGRAM

(51) International classification	:G06F 21/24
(31) Priority Document No	:2008-333595
(32) Priority Date	:26/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071345
Filing Date	:22/12/2009
(87) International Publication No	:WO 2010/074094
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

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2)NIWA AKITO

3)MORIJIRI TOMOAKI

4)HASHIMOTO KAZUYA

5)OGAWA MINAKO

---

(57) Abstract :

Even when the information media controlling apparatus which requests replication registration of electronic data and the information media controlling apparatus which acquires a child management file generated by replication registration are separate apparatuses, the information management server apparatus (101) registers a child management ID of electronic data and a post office box ID of the acquisition destination of a child management file, in the post office box management table based on replication registration request information received from one information media controlling apparatus, and has the other information media controlling apparatus which is the acquisition destination acquire the child management file based on the post office box management table. Consequently, even when a client which requests replication of a management file needs to pass a child management file to another client, it is possible to manage an information life cycle of the child management file.

No. of Pages : 120 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2011

(21) Application No.4980/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : IMPROVED VAPOR-LIQUID CONTACTING IN CO-CURRENT CONTACTING APPARATUSES

(51) International classification	:B01D 3/00
(31) Priority Document No	:12/347,030
(32) Priority Date	:31/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/059928
Filing Date	:08/10/2009
(87) International Publication No	:WO 2010/077406
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)UOP LLC

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(72)Name of Inventor :

1)XU ZHANPING

2)BIELINSKI, DENNIS, H.

(57) Abstract :

Improved contacting modules and apparatuses containing the modules, for carrying out vapor-liquid contacting, are described. In representative contacting modules, liquid (and possibly vapor) are discharged into co-current flow channels in a non-uniform manner (e.g., from only one side of the channels). Particular contacting modules comprise at least one liquid downcomer and a demister, wherein the liquid downcomer and an inlet surface of the demister define a co-current flow channel and wherein liquid is discharged from an outlet of the downcomer. The use of one or more added liquid distribution devices to more uniformly distribute the discharged liquid improves vapor-liquid contacting efficiency in the co-current flow channel and consequently vapor-liquid mass transfer and approach to equilibrium for the contacting stage.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5424/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : REGULATED SUPPLY OF TREATED WATER FOR REGIONAL SUPPLY NETWORKS

(51) International classification	:C02F 1/00
(31) Priority Document No	:0823656.4
(32) Priority Date	:30/12/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2009/002963
Filing Date	:29/12/2009
(87) International Publication No	:WO 2010/076558
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)i2O WATER LIMITED

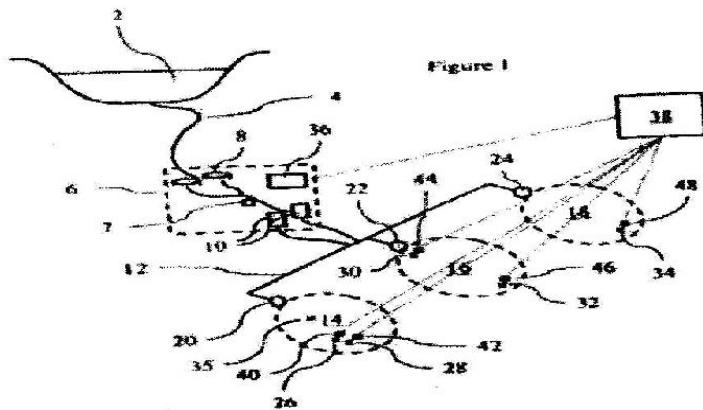
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SOUTHAMPTON SCIENCE PARK, SOUTHAMPTON, SO16 7  
QJ, UNITED KINGDOM

(72)Name of Inventor :

1)BURROWS, ANDREW

(57) Abstract :

Water is supplied from a mains water supply station (6) to a main supply-conduit (12) which feeds a plurality of regional supply networks (14,16,18), via respective pressure reducing valves (20, 22, 24), at respective regional pressures. Each regional supply network has a boundary value for a parameter related to a property of the water, which may be water pressure or concentration of a water treatment agent. Each network has a critical point at which the value of the parameter is deemed least acceptable. Water supply characteristics in respect of each regional supply network (14,16,18) are monitored and the water supplied into the main supply conduit is processed to ensure acceptable values of the parameter are maintained at each critical point. Processing of the water may comprise controlling the output of one or more pumps arranged to pressurize the water supplied into the main supply conduit (12), or it may comprise controlling the addition of water treatment agent. Moreover, the processing of the water may be dependent on any one or more of : time, hour of the day, season, ambient air temperature.



No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4850/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : TANK CONTAINER

(51) International classification	:E05G
(31) Priority Document No	:10 2008 063 321.6
(32) Priority Date	:30/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/009260
Filing Date	:23/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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GERMANY

(72)Name of Inventor :

**1)Dieter Pfau**

(57) Abstract :

The present invention relates to a tank container (1) with an essentially cylindrical tank (2), the end bottoms (11) of which are each connected via a saddle structure (12, 14, 22) with a bottom frame (3). The connection is done via a front flange (12) attached on an end of the tank (11), wherein a saddle segment (14) running transverse to the tank axis (24) is provided with a circumferential contour (20) running at least in sections and connected with it, which is connected with the bottom frame.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4851/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : Optical Logic Gate

(51) International classification	:G01N
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IT2008/000724
Filing Date	:24/11/2008
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Selex Sistemi Integrati S.p.A**

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(72)Name of Inventor :

**1)BOVINO Fabio Antonio**

**2)GIARDINA Maurizio**

**3)LARCIPRETE Maria Cristina**

**4)CENTINI Marco**

**5)BELARDINI Alessandro**

**6)SIBILIA Concita**

**7)BERTOLOTTI Mario**

**8)PASSASEO Adriana**

**9)TASCO Vittorianna**

**10)CINGOLANI Roberto**

---

(57) Abstract :

Optical logic gate (1) having a second -harmonic generator element (15) that receives a first (sii) and a second optical input signal (si2) respectively having a first ( $\omega_1$ ) and a second angular frequency ( $\omega_2$ ) and respectively having a first (P; S) and a second (P; S) polarization, and which provides a second-harmonic optical signal (su3) having a third angular frequency ( $2\omega_1, \omega_1 + \omega_2$ ) and a third (P; S) polarization. The third angular frequency ( $2\omega_1, \omega_1 + \omega_2$ ) is equal to the sum of the first ( $\omega_1$ ) and the second angular frequency ( $\omega_2$ ). The third (P; S) polarization is a function of the first (P; S) and the second (P; S) polarization. The second-harmonic generator element (15) includes a second-harmonic generator layer (22) in a material having a non-null second-order optical tensor.

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4852/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : THREE-PASS HEAT EXCHANGER FOR AN EGR SYSTEM

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(51) International classification	:B60B
(31) Priority Document No	:P200502863
(32) Priority Date	:22/11/2005
(33) Name of priority country	:Spain
(86) International Application No	:PCT/EP2006/068742
Filing Date	:22/11/2006
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:5156/DELNP/2008
Filed on	:16/06/2008

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Vigo Pontevedra Spain.

(72)Name of Inventor :

**1)CASTA' O GONZLEZ Carlos Manuel**

**2)GRANDE FERNNDEZ Jos Antonio**

(57) Abstract :

The present invention relates to a three-pass heat exchanger (11, 41) for an EGR system, comprising a casing (13, 43) housing at least one cooling chamber for gas circulating through a plurality of pipes and heads on its ends coupled to the gas inlet pipe coming from the exhaust manifold and to the gas outlet pipe connected to the intake manifold of the engine, which is configured as a three-pass heat exchanger, i.e. with three differentiated areas (21, 23, 25; 51, 53, 55) for gas circulation from the inlet pipe to the outlet pipe, the inlet pipe and the outlet pipe being located at opposite ends of the exchanger. The exchanger can include a bypass valve (35, 68) and two cooling chambers (61, 63) at different temperatures.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5430/DELNP/2011 A

(43) Publication Date : 04/10/2013

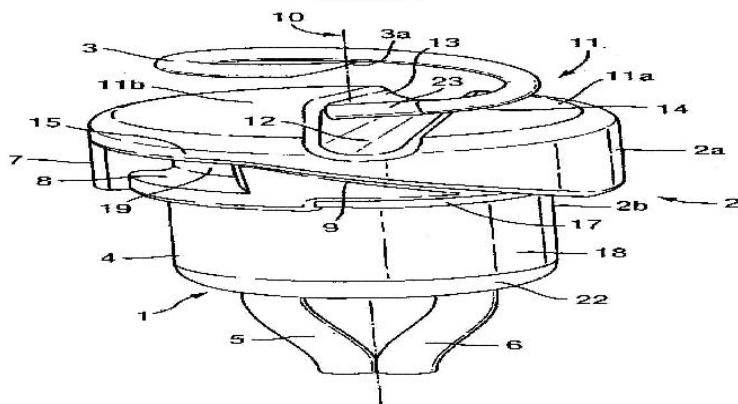
(54) Title of the invention : FETAL ELECTRODE ASSEMBLY AND FETAL ELECTRODE

(51) International classification	:A61B 5/448	(71) <b>Name of Applicant :</b> 1)NEOVENTA MEDICAL AB Address of Applicant :...GATAN 32, 43135 MOLNDAL, SWEDEN
(31) Priority Document No	:0902069.4	
(32) Priority Date	:06/02/2009	
(33) Name of priority country	:U.K.	
(86) International Application No	:PCT/EP2010/000731	(72) <b>Name of Inventor :</b> 1)GINGSJ-, LARS ANDERS
Filing Date	:05/02/2010	
(87) International Publication No	:WO 2010/089133	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrode assembly comprising a fetal electrode (1) that is connected to a drive tube (31) by a torque limiting connection (30). The connection allows the drive tube to separate from the electrode hub once a predetermined torque has been reached. The electrode hub is also provided with a deflection surface (9) that deflects the drive tube away from the fetal electrode into the hand of the operator, as rotation of the drive tube continues beyond the point of disconnection. Features are also provided to make the fetal electrode more compact and to optimise the fECG signal recorded on the electrode wires (5, 9). [Fig. 3]

**Fig.3.**



No. of Pages : 39 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5431/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SINGLE-USE CONNECTION SYSTEM FOR A FETAL ELECTRODE

(51) International classification	:A61B 5/0448
(31) Priority Document No	:0902071.0
(32) Priority Date	:06/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/000732
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/089134
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NEOVENTA MEDICAL AB

Address of Applicant :...GATAN 32, 43135 MOLNDAL,  
Sweden

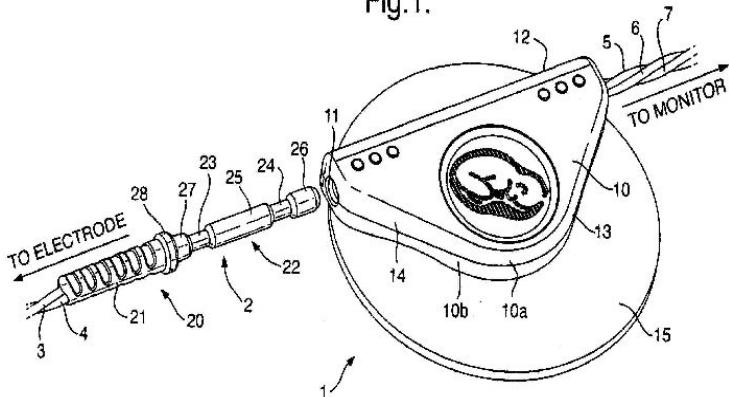
(72)Name of Inventor :

1)GINGSJ-, LARS ANDERS

(57) Abstract :

A single-use connector (1) for a fetal electrode is provided. The housing (10) of the connector is moulded together as two shells (10a, 10b) of substantially rigid material where each shell is integrally connected to the other along a common straight portion of edge (12). This provides the housing with a clam-shell form. The housing is also provided with a socket (11) for receiving a plug (2) of a fetal electrode. The plug is provided with two or more electrical contacts (23, 24) to feed electrical signals from the fetal electrode. [Fig. 1]

Fig.1.



No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5332/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR PRODUCING A POLYCHLOROPRENE-BASED POLYMER DISPERSION AND SYSTEM FOR PRODUCING A POLYCHLOROPRENE-BASED POLYMER DISPERSION

(51) International classification	:C08C 2/00
(31) Priority Document No	:09158147.0
(32) Priority Date	:17/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/054303
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/118958
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :51369 LEVERKUSEN, GERMANY

(72)Name of Inventor :

1)DEBAYLE, PASCAL

2)HOELTZENBEIN, PETER

3)MOTTWEILER, RENKE

4)MULLER, EBERHARDT

5)GRAFE, RAINER

6)NA

7)MAHNER-WOLFARTH, CHRISTIAN

8)NEUNER, THOMAS-OLIVER

9)FIDAN, MESUT

10)LAGARDE, MARC

(57) Abstract :

The present invention relates to a plant (10) and a process for producing a polymer dispersion based on polychloroprene, comprising the steps carrying out a polymerization of chloroprene to polychloroprene in an emulsion up to a maximum solids content wsolid in proportions by weight of wsolid < 50%, in particular wsolid < 40%, preferably wsolid < 35% and particularly preferably wsolid < 30% in a polychloroprene dispersion present after the polymerization and removal of chloroprene from the polychloroprene dispersion in a multistage and/or multitray stripper column (36) to a chloroprene content wCR,out in proportions by weight of WCR,out ≤ 50 ppm, in particular wCR,out ≤ 30 ppm, preferably WCR,out ≤ 15 ppm and particularly preferably wCR,out < 10 ppm in a purified polychloroprene dispersion present after the removal of chloroprene. This plant (10) and this process enable the proportion of monomeric chloroprene in polychloroprene dispersions to be decreased without a significant reduction in the operating times of the plant components used having to be accepted.

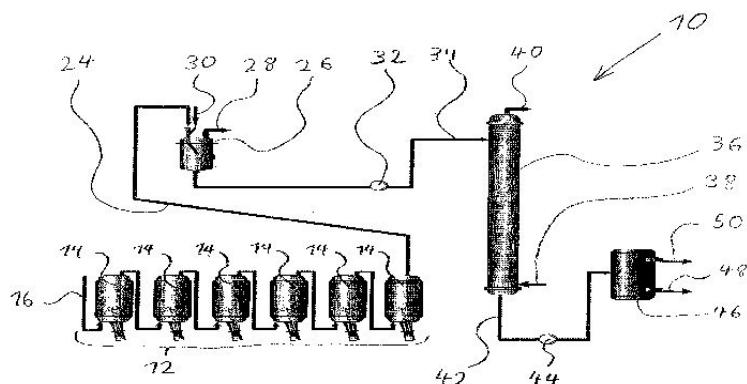


Fig. 1

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5333/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM FOR TRANSMITTING AND/OR RECEIVING A LOCATION  
REFERENCE, ENHANCED BY A FOCUSING FACTOR

(51) International classification	:G08G 1/0967	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)TELE ATLAS NORTH AMERICA INC.</b>
(32) Priority Date	: -	Address of Applicant :11 LAFAYETTE STREET,
(33) Name of priority country	:	LEBANON, NEW HAMPSHIRE 03766-1445, U.S.A.
(86) International Application No	:PCT/US2008/014104	(72) <b>Name of Inventor :</b>
Filing Date	:30/12/2008	<b>1)KUZNETSOV, TSIA</b>
(87) International Publication No	:WO 2010/077225	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and end user mapping device (200) are disclosed. In at least one embodiment, the method includes receiving information from a remote server (302), at a device, the received information including at least one location reference enhanced by at least one focusing factor, computed at the remote server (302) based upon encoded information corresponding to at least one path of the at least one location reference; and reconstructing the at least one path of the at least one location reference at the device, based upon the received at least one location reference enhanced by the at least one focusing factor.

No. of Pages : 65 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5334/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR TRANSMITTING AND/OR RECEIVING AT LEAST ONE LOCATION REFERENCE, ENHANCED BY AT LEAST ONE FOCUSING FACTOR

(51) International classification	:G01C 21/26
(31) Priority Document No	:NA
(32) Priority Date	: -
(33) Name of priority country	:
(86) International Application No	:PCT/US2008/014101
Filing Date	:30/12/2008
(87) International Publication No	:WO 2010/077223
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

1)TELE ATLAS NORTH AMERICA INC.

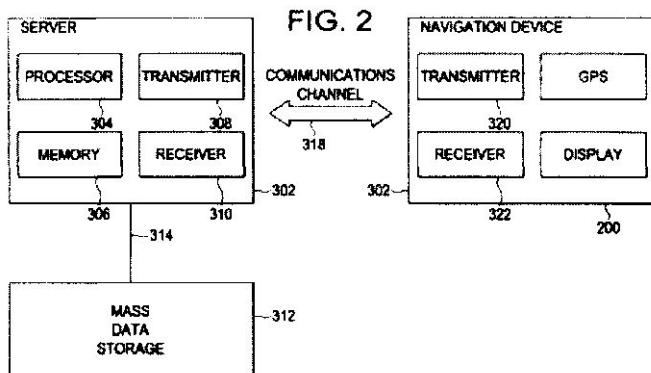
Address of Applicant :11 LAFAYETTE STREET,  
LEBANON, NEW HAMPSHIRE 03766-1445, U.S.A.

(72)**Name of Inventor :**

1)KUZNETSOV, TSIA

(57) Abstract :

A method and system are disclosed. In at least one embodiment, the method includes at least one of obtaining and receiving information regarding at least one location reference at a server (302) for transmission to at least one remote device; determining at least one path of the at least one location reference corresponding to at least one pair of points within mapping information at the server (302); computing at least one focusing factor at the server (302) based upon encoded information corresponding to the determined at least one path of the at least one location reference, and enhancing the at least one location reference by the computed at least one focusing factor; and transmitting the at least one location reference enhanced by the computed at least one focusing factor from the server (302) to the at least one remote device.



No. of Pages : 66 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5470/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED SEAL

(51) International classification	:E21B 33/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0823444.5	<b>1)MCKENZIE INNOVATION LLP</b>
(32) Priority Date	:23/12/2008	Address of Applicant :MCKENZIE INNOVATION LLP, ARN COTTAGE, MAIN STREET,NEWBURGH ELLON,ABERDEENSHIRE AB41 6BP UNITED KINGDOM
(33) Name of priority country	:U.K.	<b>2)DEEP BLUE ENGINEERING SOLUTIONS LIMITED</b>
(86) International Application No	:PCT/GB2009/002952	(72) <b>Name of Inventor :</b>
Filing Date	:23/12/2009	<b>1)MARTIN MCKENZIE</b>
(87) International Publication No	:WO 2010/073016	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device to provide a seal between a housing for a moving element such as a drill chain, piston or the like and the moving element. The device comprising a storage well to retain seal material, the block having an outlet connecting with an aperture in a housing enabling seal material to flow into the space between a housing and the moving element and form a seal, the device further including an inlet port enabling seal material precursor to be added into the block, newline pressurising means to pressurise the seal material precursor and force it out of the aperture

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5474/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ANTIBODY

(51) International classification	:C07K 16/14
(31) Priority Document No	:61/145,282
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/000064
Filing Date	:18/01/2010
(87) International Publication No	:WO 2010/082034
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)THORNTON, CHRISTOPHER**

(57) Abstract :

The invention relates to antibodies to Aspergillus species and to methods of producing those antibodies. The invention also relates to the use of such antibodies in identifying the presence of the Aspergillus species and to methods of treating an infection with the Aspergillus species.

Figure 1

ATGGATTTGGGCTGA TT TTTTATTGGTGCTCTTTAAAAGGGGTCCAGTGTGA  
GGTGAAGCTTCTCGAGCTGGAGGTGCCCTGGTGCAAGCCTGGAGGATCCCTGAA  
ACTCTCCTGTGCAGCCTCAGGATTGATTTAGTAGATACTGGATGAGTTGGGTC  
CGGCAGGCCTCAGGGAAAGGGCTAGAATGGATGGAGAAATTAAATCCAGATAGC  
AGTAAGATAAACTATATGCCATCTCAAAGGATAAAATTCATCATCTCCAGAGACA  
ACGCCAAAAATACGCTGTACCTGCAAATGAGCAAAGTGAGATCTGAGGACACAG  
CCCTTTATTACTGTGCAAGACCTGGGGTTACTACGCTATGGACTCTGGGTCA  
AGGAACCTCAGTCACCGTCTCTCAGCTACAACAAACAGCCCCATCCGTCTCCCC  
CTGGCAC

No. of Pages : 47 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5476/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : PRECAST WALL PANELS AND METHOD OF ERECTING A HIGH-RISE BUILDING USING THESE PANELS

(51) International classification	:E04B 2/00
(31) Priority Document No	:12/356,414
(32) Priority Date	:20/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2009/031573 :21/01/2009
(87) International Publication No	:WO 2010/085245
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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1)CARRION, JUAN

2)BAKER, WILLIAM, F.

3)STEWART, ROBERT, C.

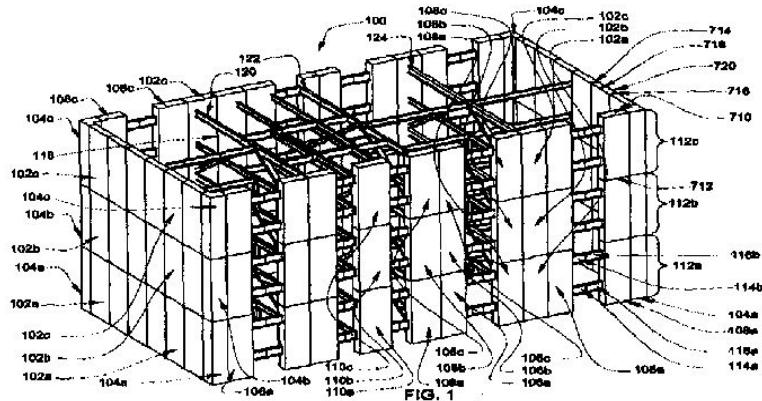
4)CAVANAGH, JOHN, A.

5)MACDONALD, JAMES, E.

6)BESJAK, CHARLES

(57) Abstract :

A precast wall system and a method for constructing a high-rise building using the precast wall system is disclosed. The system includes a plurality of interconnected precast panels. Each precast panel has a top end plate, a bottom end plate, a plurality of vertical bars disposed between and attached to the end plates and a cementitious material encasing the vertical bars and defining a plurality of sides of the respective panel. A first group of the interconnected precast panels are arranged vertically on a second group of the interconnected precast panels and the top end plate of each panel corresponding the first group is connected to the bottom end plate of a respective one of the panels corresponding to the second group. Methods for horizontally and vertically connecting the precast panels to each other are also disclosed.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5477/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A SHOPPING TROLLEY COMPRISING A MOVEABLE SUPPORTING SURFACE

(51) International classification	:B62B 3/18
(31) Priority Document No	:2009/00064 (TR)
(32) Priority Date	:06/01/2009
(33) Name of priority country	:Turkey
(86) International Application No	:PCT/IB2009/055866
Filing Date	:21/12/2009
(87) International Publication No	:WO 2010/079399
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KUM, BILGE

(57) Abstract :

The invention relates a shopping trolley comprising a supporting body (10), a handle (40) provided on the said supporting body (10), a chassis (20) and wheels (30) that enable to move this structure; characterized in that it comprises a lifting mechanism (60) having a moveable surface (61) which enables the products placed in the basket (12) of the said supporting body (10) to be lifted upwards and which is positioned on the base side (11) of the supporting body (10); motion transfer rods (62), which enable upward and downward movement of the said moveable surface (61), and which are connected to the said surface (61); and a spring (65) and a moveable collar (64) that enable these rods (62) to be driven. Fig. 2

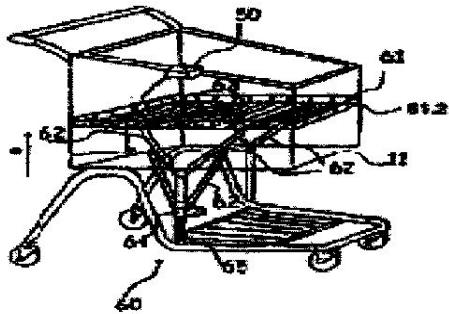


Figure2

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2010

(21) Application No.688/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR PLAY A QUIZ AND DRAW BASED GAME

(51) International classification	:A63F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :C-43, JUNGPURAB, NEW DELHI-110014, NEAR RAJDOOT HOTEL. Delhi India

(72)Name of Inventor :

**1)MR. RAJENDER KUMAR NANGIA**

(57) Abstract :

The present invention relates to a system for playing a quiz and draw based game comprising registration card verification code generator engine, registration card verification code verification engine, database server, application server, code printing apparatus, output generator, reporting and information system, communication mechanism configured for receiving and sending messages wherein the quiz and draw based game database comprises of information and authentication code of a number of players participating in the game, questions of a quiz and draw based game, and the status of players in connection with the game, the player ID for that player who has communicated an answer; the time for the submission of the question to the players communication identity and the time for the submission of the answer from the players communication identity and a method of its operation in a communication network adopting the said system.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2010

(21) Application No.7182/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : HUMANIZED ANTI-FACTOR D ANTIBODIES AND USES THEREOF

(51) International classification	:C12N
(31) Priority Document No	:61/048,431
(32) Priority Date	:28/04/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/041785
Filing Date	:27/04/2009
(87) International Publication No	:WO 2009/134711
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)KELLEY, ROBERT, F.

3)LOWMAN, HENRY

4)VAN LOOKEREN CAMPAGNE, MENNO

5)WINTER, CHARLES, M.

(57) Abstract :

The invention relates to anti-Factor D antibodies, their nucleic acid and amino acid sequences, the cells and vectors that harbor these antibodies and their production and their use in the preparation of compositions and medicaments for treatment of diseases and disorders associated with excessive or uncontrolled complement activation. These antibodies are useful for diagnostics, prophylaxis and treatment of disease.

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Chothia -CDR L1																																												
Contact -CDR L1																																												
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238-7-LC	D	I	Q	V	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	T	I	C	I	S	T	D	I	D	D	D	R	N	Y	Q											
238-8-LC	D	I	Q	V	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	T	I	C	I	S	T	D	I	D	D	D	K	E	Y	Y	Q										
238-9-LC	D	I	Q	V	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	T	I	C	I	S	T	D	I	D	D	D	K	E	Y	Y	Q										
238-10-LC	D	I	Q	V	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	T	I	C	I	S	T	D	I	D	D	D	K	E	Y	Y	Q										
238-11-LC	D	I	Q	V	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	T	I	C	I	S	T	D	I	D	D	D	H	N	Y	Y	Q										

FIG. 1A

No. of Pages : 149 No. of Claims : 77

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2010

(21) Application No.2987/DEL/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SHAPED PART

(51) International classification	:F42B
(31) Priority Document No	:AT GM 794/2009
(32) Priority Date	:15/12/2009
(33) Name of priority country	:Austria
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PLANSEE SE

Address of Applicant :A-6600 REUTTE, AUSTRIA

(72)Name of Inventor :

1)BRANDNER MARCO

2)GERZOSKOVITZ STEFAN

3)KRAUSSLER WOLFGANG

4)LEUPRECHT ALEXANDER

5)VENSKUTONIS ANDREAS

(57) Abstract :

The invention describes a shaped part, in particular an interconnector or an end plate for a fuel cell stack, which is produced by pressing and sintering a pulverulent starting material. The shaped part consists of a disc-shaped or plate-shaped basic body -1- having a multiplicity of knob-like and/or ridge-like elevations -2- with a height h. In cross section, each elevation -2- has two inclined side flanks which lead, proceeding from an end contour -3- of the elevation -2-, via rounded corner portions -4-, -4- with a radius r or r directly or via intermediate rectilinear portions -5-, -5- into curved portions -6-, -6- with a radius R or R, which in turn merge into the surface contour -7-, -7- of the basic body -1-. The rectilinear portions -5-, -5- or, in the case of a direct transition of the rounded corner portions -4-, -4- into the curved portions -6-, -6-, the tangents at the point of the transition, have an angle of inclination a or a with respect to the surface contour -7-, -7- in the range of 95° to 135°. According to the invention, the radius R or R is in the range of 0.15 to 1 mm and the height h is dimensioned such that the ratio R : h or R: h is in a range of 0.25 to 1.

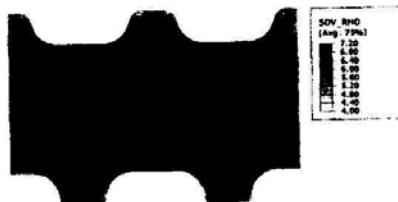


Fig. 1

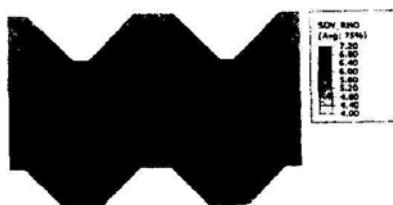


Fig. 2

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/12/2010

(21) Application No.3067/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS AND APPARATUS FOR THE PREPARATION OF POLYCARBONATE

(51) International classification

:C08G

(31) Priority Document No

:102009059990.8

(32) Priority Date

:22/12/2009

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)Name of Inventor :

**1)FRANK DOEBERT**

**2)ANDREAS STREMMEL**

**3)CHRISTOPH BIEDRON**

**4)STEPHAN LAUE**

**5)JOHANN RECHNER**

**6)TORSTEN HAGEN**

**7)FRANK BRUYNSEELS**

**8)FRANK QUAEYHAEGENS**

**9)JOHAN DECLOEDT**

**10)PAUL VAN DORST**

**11)UWE ARNDT**

**12)JOHAN VANDEN EYNDE**

**13)URSULA TRACHT**

**14)THOMAS KONIG**

**15)ULRICH LIESENFELDER**

---

(57) Abstract :

The invention relates to a process for the pretreatment of material surfaces in proper to minimize the interaction between polycarbonate and metal and, in the processing and synthesis of polycarbonate, to obtain a high-quality polymer which in particular does not become discoloured and is free of insoluble constituents.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4941/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LOW COST RADIO FREQUENCY IDENTIFICATION (RFID) DISPENSING SYSTEMS

(51) International classification	:H04M
(31) Priority Document No	:12/317,674
(32) Priority Date	:29/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069594
Filing Date	:28/12/2009
(87) International Publication No	:WO 2010/078257
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GOJO INDUSTRIES, INC.**

Address of Applicant :ONE GOJO PLAZA, SUITE 500, P.O. BOX 991, AKRON, OHIO 44309, U.S.A.

(72)**Name of Inventor :**

**1)JACKSON WEGELIN**

**2)AARON REYNOLDS**

**3)CHIP CURTIS**

---

(57) Abstract :

A radio frequency identification (RFID) dispenser that includes low cost electronic components that can read and write to the tag of a refill cartridge. In one embodiment, the reader utilizes a multi band pass filter to convert the radio frequency identification into a digital signal that is processed by a controller to perform a dispensing function representative to the code of the tag. In another embodiment, the controller utilizes an internal comparator to convert the radio frequency identification into a digital signal that is processed by a controller to perform a dispensing function representative to the code of the tag. The dispenser in both embodiments also includes a pair of transistors that write to the RFID tag of the refill cartridge. A dispenser according to the invention also includes the capability to read and/or write to tags upon cartridges employed by the dispenser, and augmenting the operation of the dispenser as a function thereof. Additionally, a dispenser of variable size is presented that is adaptable, through adjustable partitions or a telescoping cup, to receive and maintain cartridges of various sizes.

No. of Pages : 46 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2010

(21) Application No.7252/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : COATED BUILDING PANELS AND ARTICLES CONTAINING CALCIUM SULFATE  
HEMIHYDRATE

(51) International classification	:C09D
(31) Priority Document No	:12/107,396
(32) Priority Date	:22/04/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/038401
Filing Date	:26/03/2009
(87) International Publication No	:WO 2009/151724
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)UNITED STATES GYPSUM COMPANY**  
Address of Applicant :550 WEST. ADAMS STREET  
CHICAGO, ILLINOIS 60661-3676 U.S.A.

(72)**Name of Inventor :**

**1)YEUNG, LEE K.**  
**2)GRUSSING, JEFFREY F.**  
**3)BOROVKA, CHRISTOPHER J.**

---

(57) Abstract :

A method of finishing an interior wall includes the steps of preparing a substrate of building panels comprising gypsum, cement or combinations thereof, said substrate having a surface, followed by applying a coating to the substrate, said coating comprising 1-30% by weight of a latex emulsion binder, 30-80% by weight calcium sulfate hemihydrate, up to about 8% by weight of a set inhibiting agent and 20-60% by weight water.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/02/2010

(21) Application No.308/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMPROVED PLASTIC HINGE

(51) International classification	:E05D	(71) <b>Name of Applicant :</b> <b>1)RITU MANRAO</b> Address of Applicant :A-44, MANGOLPURI INDUSTRIAL AREA, PHASE-II, DELHI 110034 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)RITU MANRAO</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a non- metallic hinge fitted with screws/ bolts or without screws/ bolts and the plates of hinge may be of any shape e.g. rectangular, hexagonal .etc.

No. of Pages : 4 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4833/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CONCENTRATOR SOLAR CELL MODULES WITH LIGHT CONCENTRATING ARTICLES COMPRISING LONOMERIC MATERIALS

(51) International classification	:G02B 1/00
(31) Priority Document No	:61/118,381/065901
(32) Priority Date	:26/11/2008
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2009/065901 :25/11/2009
(87) International Publication No	:WO 2010/062947
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant :1007 MARKET STREET,  
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(72)Name of Inventor :

1)BENNETT, ALISON M.A.

2)BOYDELL, PHILIP

3)BRADLEY, ALEXANDER ZAK

4)HAYES, RICHARD ALLEN

5)PESEK, STEVEN C.

6)PREJEAN, GEORGE WYATT

7)RODRIGUEZ PARADA JOSE MANUEL

8)SANTOPIETRO, LOIS A.

9)SHAFFER, W. ALEXANDER

10)SMITH, CHARLES ANTHONY

11)FRENCH, ROGER HARQUAIL

(57) Abstract :

A concentrator solar cell module comprises at least one solar cell and at least one light concentrating article. The at least one light concentrating article is capable of concentrating about 1.02 to about 2000 sun equivalents of solar energy onto the solar cell(s) and comprises an ionomer composition. The ionomer composition comprises or is produced from an ionomer that has a temperature of onset of creep that is significantly greater than its peak melting temperature.

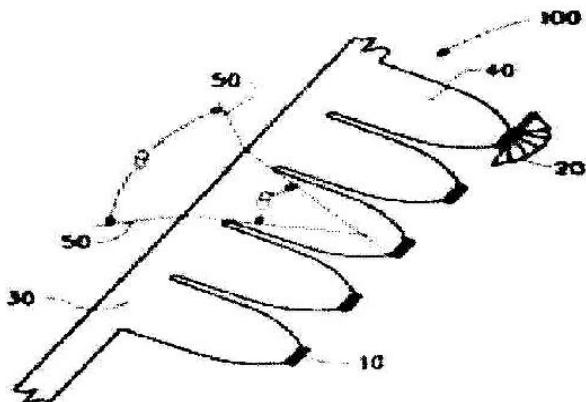


FIG. 1

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2011

(21) Application No.4836/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHODS RELATED TO MODIFIED GLYCANS

(51) International classification	:C07H 15/14
(31) Priority Document No	:61/139,224
(32) Priority Date	:19/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/068790
Filing Date	:18/12/2009
(87) International Publication No	:WO 2010/071824
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MOMENTA PHARMACEUTICALS, INC.

Address of Applicant :675 WEST KENDALL STREET, CAMBRIDGE, MA 02142, UNITED STATES OF AMERICA.

(72)Name of Inventor :

1)BOSQUES, CARLOS, J.  
2)MURPHY, FENNIFER, LYNN  
3)GUNAY, SIBEL, NUR  
4)SHRIVER, ZACHARY  
5)LIU, CUIHUA

(57) Abstract :

Among other things, the present disclosure provides methods for enriching, identifying, and/or quantifying unusually modified glycans (e.g., phosphorylated glycans, sulfated glycans, and/or multi-acetylated glycans). In many embodiments, methods comprise providing a glycan preparation from which sialic acids have been released; subjecting the sialidase-treated glycan preparation to a separation technique that separates glycans based on charge-to-mass ratio; and quantifying the charged products using at least one quantification standard.

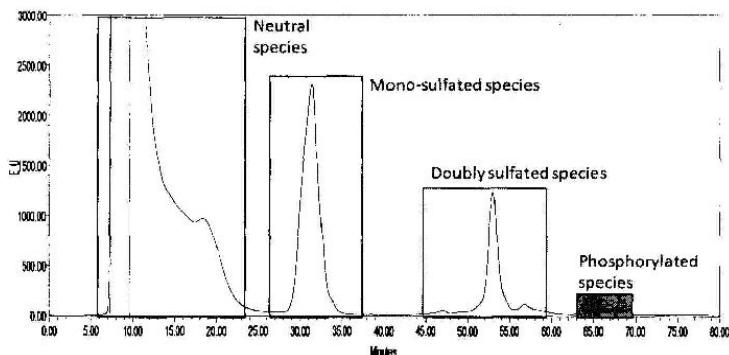


Figure 4

No. of Pages : 71 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.738/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR VERIFICATION AND PAYMENT OF ADVANCE CHEQUE AND DEMAND DRAFT AND ADVAENCE AND NORMAL CHEQUE DEPOSIT THROUGH ELECTRONIC MACHINE

(51) International classification	:H04N	(71) <b>Name of Applicant :</b> <b>1)MR. RAJENDER KUMAR NANGIA</b> Address of Applicant :C-43, JUNGPURA B, NEW DELHI-110014 NEAR RAJDOOT HOTEL Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)MR. RAJENDER KUMAR NANGIA</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for enhancing the security of cheque and demand draft while processing in a mobile network comprising the steps of generating codes for the cheque and demand drafts or products for the banks; entering the usernames and password for accessing the database; under condition that the code number is less than and equal to the code balance then the code gets generated and stored in the database; configuring a labeller to produce labels of the generated codes stored in the database; attaching the cheques and demand drafts with the labels of desired nature; activating the applied codes for the cheques and demand drafts; and communicating with the customer / bank and service provider for the authentication / verification with respect to the generated codes and a system configured for executing the said method.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2010

(21) Application No.7542/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS OF PREPARING A POLYMERIZATION CATALYST

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(51) International classification	:C08F
(31) Priority Document No	:12/113,061
(32) Priority Date	:30/04/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/002594
Filing Date	:29/04/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)CHEVRON PHILLIPS CHEMICAL COMPANY LP**

Address of Applicant :10001 SIX PINES DRIVE THE  
WOODLANDS, TEXAS 77380 U.S.A.

(72)Name of Inventor :

**1)KATHY S. COLLINS**

**2)MAX P. MCDANIEL**

(57) Abstract :

A method comprising contacting a support with a chromium-containing compound and a tin-containing compound to produce a catalyst precursor, and activating the catalyst precursor in a temperature range of from about 400 °C to about 700 °C to produce a polymerization catalyst. A method comprising contacting a support with a chromium-containing compound and a tin-containing compound to produce a catalyst precursor, activating the catalyst precursor in a temperature range of from about 400 °C to about 700 °C to produce a polymerization catalyst, and contacting the polymerization catalyst with ethylene in a reaction zone under suitable reaction conditions to form polyethylene wherein the molecular weight distribution of the polyethylene is broadened.

No. of Pages : 43 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5418/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SOLID-STATE IMAGE PICKUP DEVICE AND CAMERA SYSTEM

(51) International classification	:H04H 5/335
(31) Priority Document No	:2009-011231
(32) Priority Date	:21/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071763
Filing Date	:28/12/2009
(87) International Publication No	:WO 2010/084695
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SONY CORPORATION

Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO, 108-0075, JAPAN

(72)Name of Inventor :

1)HIROKI UI

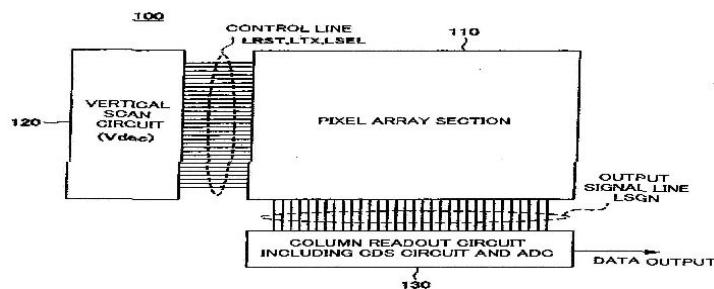
2)TOMOHIRO TAKAHASHI

3)HIROFUMI KIKUTSUGI

(57) Abstract :

Provided is a solid-state image pickup device including a pixel section arranged with multiple pixel circuits in matrix having functions for converting an optical signal to an electrical signal and for accumulating the electrical signal depending on an exposure time, and a pixel driving section capable of driving through a control line to reset, accumulate, transfer, and output signal electric charge of the pixel section. The pixel section may have a pixel shared structure arranged with one selection control line, one reset control line, and multiple transfer control lines, including a readout-pixel section and an unread-pixel section in its entirety. The pixel driving section includes a pixel control section where an unread-pixel is normally fixed in a reset state. When reading a readout-pixel in a shared relationship, if its address is selected or a selection signal becomes active, the unread-pixel reset-state is cancelled to turn into an unread state. Representative Drawing Fig. 4

FIG. 4



No. of Pages : 65 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5419/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HOT-DIP Zn-Al-Mg-Si-Cr ALLOY-COATED STEEL MATERIAL WITH EXCELLENT CORROSION RESISTANCE

(51) International classification	:C23C 2/26	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-008100	<b>1)NIPPON STEEL &amp; SUMITOMO METAL CORPORATION,</b>
(32) Priority Date	:16/01/2009	Address of Applicant :6-1, MARUNOUCHI 2-CHOME CHIYODA-KU, TOKYO 100-8071, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/050658	<b>1)NOBUYUKI SHIMODA</b>
Filing Date	:14/01/2010	<b>2)YASUHIDE MORIMOTO</b>
(87) International Publication No	:WO 2010/082678	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a Zn-Al-Mg-Cr alloy-coated steel material with excellent corrosion resistance. A molten Zn-Al-Mg-Si-Cr alloy-coated steel material which is a steel material having a Zn-Al-Mg-Cr alloy coating layer and which has an interfacial alloy layer formed of coating layer components and Fe at the coating layer-steel material interface, wherein the interfacial alloy layer has a multilayer structure consisting of an Al-Fe-based alloy layer and an Al-Fe-Si-based alloy layer and furthermore, the Al-Fe-Si-based alloy layer contains Cr.

No. of Pages : 40 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5421/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ELECTRODEPOSITABLE COATING COMPOSITION COMPRISING SILANE AND YTTRIUM

(51) International classification	:C08K 3/00
(31) Priority Document No	:61/147,583
(32) Priority Date	:27/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022194
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/088250
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)PPG INDUSTRIES OHIO, INC.**

Address of Applicant :3800 WEST 143RD STREET,  
CLEVELAND, OH 44111, U.S.A.

(72)Name of Inventor :

**1)LINGENFELTER, THOR, G.**

**2)FOLEY, AMANDA**

**3)RAKIEWICZ, EDWARD, F.**

**4)KARABIIN, RICHARD, F.**

---

(57) Abstract :

An electrodepositable coating composition comprising: (i) a film-forming polymer, (ii) a corrosion inhibitor, and (iii) a silane that does not contain an ethylenically unsaturated double bond.

No. of Pages : 25 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5422/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHODS FOR IMPROVING SKIN QUALITY USING RINSE-OFF PERSONAL CARE COMPOSITIONS WITH VARIABLE AMOUNTS OF HYDROPHOBIC BENEFIT AGENTS

(51) International classification	:A61K 8/03
(31) Priority Document No	:12/361,492
(32) Priority Date	:28/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022456
Filing Date	:28/01/2010
(87) International Publication No	:WO 2010101685
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)THE PROCTER & GAMBLE COMPANY**

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OH 45202, U.S.A.

(72)**Name of Inventor :**

**1)PUTMAN, CHRISTOPHER, DEAN**

**2)CETTI, JONATHAN, ROBERT**

**3)WEHMEYER, KENNETH, ROBERT**

**4)WEI, KARL, SHIQING**

**5)WIMALASENA, ROHAN, LALITH**

**6)BIEHLE, SUSAN, JEANE**

**7)FARRIS, RICHARD, DUFFY**

(57) Abstract :

In various embodiments, provided are (i) methods and regimens for application of a personal care product for treating and maintaining the quality of skin, wherein a composition formulated to comprise at least two benefit agents, such as a lathering agent and a hydrophobic benefit agent, is applied to the user's skin over a treatment cycle that comprises two or more stages; (ii) methods for identifying and providing personal care products for treating and maintaining the quality of skin to specific populations of users; and (iii) methods for assessing, treating and maintaining the quality of skin and minimizing the signs of aging by assessing the activity of one or more skin biomarkers or physical properties that are indicative of skin quality.

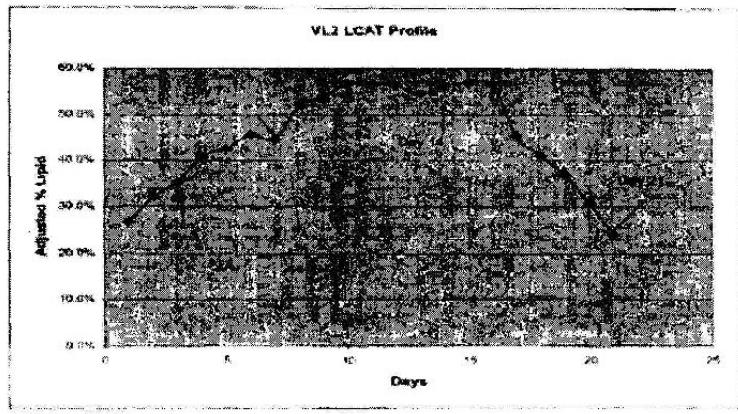


FIG. 6

No. of Pages : 95 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2010

(21) Application No.7611/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR PROVISIONING FLOWS IN A WIMAX NETWORK ENVIRONMENT

(51) International classification	:H04L
(31) Priority Document No	:12/333,718
(32) Priority Date	:12/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/067018
Filing Date	:07/12/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)PETER P. ZHU

(57) Abstract :

An apparatus is provided in one example embodiment and includes a network element coupled to a base station and a network and operating in a WiMAX communications environment. The base station is coupled to an endpoint, the network element defining authentication, authorization, and accounting (AAA) attributes for the endpoint at an interface between the network element and the base station. In more specific embodiments, the network element defines one or more quality of service attributes for the endpoint and the network element defines a layer two virtual local area network (VLAN) priority/class of service (Cos). In still other embodiments, the network element defines a layer three Internet Protocol differentiated service code point (IP-DSCP). Traffic separation can be specified on a per-subscriber basis or a per service-flow basis and, further, the traffic separation can be executed through a virtual router element.

No. of Pages : 21 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/07/2011

(21) Application No.5490/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MEMBRANES, SYSTEMS, AND METHODS FOR APPLYING REDUCED PRESSURE TO A SUBCUTANEOUS TISSUE SITE

(51) International classification	:C12N
(31) Priority Document No	:61/140,657
(32) Priority Date	:24/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069063
Filing Date	:21/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)KCI LICENSING INC.**

Address of Applicant :Legal Department - Intellectual Property P.O. Box 659508 San Antonio TX 78265-9508 U.S.A.

(72)**Name of Inventor :**

**1)Jonathan KAGAN**

**2)Douglas A. CORNET**

(57) Abstract :

The illustrative embodiments described herein are directed to apparatuses, systems, and methods for applying reduced pressure to a subcutaneous tissue site. In one illustrative embodiment, the apparatus includes a membrane having a substantially uniform membrane wall thickness and a first, tissue-facing surface. The membrane may be shaped to form a plurality of protrusions on the tissue-facing surface. The plurality of protrusions at least partially defines at least one channel operable to transfer the reduced pressure along the tissue-facing surface.

No. of Pages : 38 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/07/2011

(21) Application No.5491/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CONTEXT-BASED RECOMMENDER SYSTEM

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(51) International classification	:C07D
(31) Priority Document No	:08172776.0
(32) Priority Date	:23/12/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/067149
Filing Date	:15/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AXEL SPRINGER DIGITAL TV GUIDE GMBH

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GERMANY.

(72)Name of Inventor :

1)BARBIERI Mauro

2)PRONK Serverius Petrus Paulus

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(57) Abstract :

The present invention relates to a recommender system and method comprising a first extractor (S200) for applying a first feature extraction algorithm to extract first features characterizing a content of a data input

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.7658/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TEMPERATURE CONTROLLER HAVING PHASE CONTROL AND ZERO CROSS CYCLE CONTROL FUNCTION

(51) International classification	:G05D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2008-0095001	<b>1)AUTONICS CORPORATION</b>
(32) Priority Date	:27/09/2008	Address of Applicant :41-5, YOUNGDANG-DONG, YANGSAN-SI, GYEONGSANGNAMDO, 626290, REPUBLIC OF KOREA.
(33) Name of priority country	:Republic of Korea	
(86) International Application No	:PCT/KR2009/005066	
Filing Date	:01/01/1900	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)PARK HWAN KI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a temperature controller having phase control and zero-cross cycle control function that can be achieved at a low cost by controlling power that is supplied to a load, by generating a phase control signal or a zero-cross control signal according to control target temperature of a load, using a microcomputer. An exemplary embodiment of the present invention provides a temperature controller having phase control and zero-cross cycle control function that controls a load at a preset target temperature by performing phase control or zero-cross control on power supplied to a load after sensing and analyzing temperature of the load with a temperature sensor, which includes: a power supply synchronization circuit part that extracts a synchronization signal from an AC power; a power circuit part in which an AC power supply is connected to a first coil of a transformer, and a drive power generation part and a triac trigger power generation part are respectively furnished on a second coil; a microcomputer that generates a phase control signal or a zero-cross cycle control signal to analyze temperature of the load sensed by a temperature sensor and control the temperature to target temperature; and a triac drive part that applies power generated from the trigger power supply generation part as a trigger signal to a gate of a triac connected to the load in accordance with a phase control signal or a zero-cross cycle control signal of the microcomputer.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2010

(21) Application No.7659/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DIAL TYPE TEMPERATURE CONTROLLER EASILY CHANGING TEMPERATURE RANGE

(51) International classification	:G05D
(31) Priority Document No	:20-2008-0012165
(32) Priority Date	:08/09/2008
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2009/005067
Filing Date	:01/01/1900
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)AUTONICS CORPORATION**

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YANGSAN-SI, GYEONGSANGNAMDO, 626290, REPUBLIC  
OF KOREA.

(72)**Name of Inventor :**

**1)PARK HWAN KI**

(57) Abstract :

The present invention relates to a dial type temperature controller easily changing a temperature range that is provided with a selector for changing temperature ranges and indication panels for selected corresponding ranges and allows a user to easily change the temperature range without an error, when changing the temperature range and the indication panel, and also stops control output with a dial of the temperature. An exemplary embodiment of the present invention provides a dial type temperature controller easily changing a temperature range, which includes: a selector that is electrically connected to the front of a PCB module with various electronic circuits for temperature control and sets different temperature ranges by turning step by step; a selector handle that is combined with the selector to turn the selector and has a protrusion on one side to discriminate the temperature ranges; a case that accommodates the PCB module and the selector and is combined with the selector handles through one side; an indication panel that has protrusion insertion holes at different positions corresponding to the protrusion, for each temperature range set by turning the selector handle, and is marked with temperature graduations corresponding to the temperature ranges set by the selector; a dial that is easily and detachably fitted on a temperature control switch that is turned in electric connection with the front of the PCB module to set temperature within a temperature range set by the selector; and a microcomputer that is programmed to convert a temperature signal corresponding to the amount of turn of the dial into a temperature signal calculated in proportion to a temperature range set by the selector and recognize the converted signal.

No. of Pages : 27 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5199/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : GAS STORAGE SYSTEM

(51) International classification	:H01M 8/06
(31) Priority Document No	:61/140,349
(32) Priority Date	:23/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069473
Filing Date	:23/12/2009
(87) International Publication No	:WO 2010/075552
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)STEPHEN A. MARSH**

**2)DONALD M. PARKER**

**3)WILLIAM J. GRANDE**

(57) Abstract :

Among other things, a gas storage system includes a group of capsules and an activation element coupled to the group. The group of capsules are formed within a substrate and contain gas stored at a relatively high pressure compared to atmospheric pressure. The activation element is configured to deliver energy in an amount sufficient to cause at least one of the capsules to release stored gas.

No. of Pages : 41 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5482/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A WET RAW MATERIAL DRYING METHOD USING A FLUIDIZED BED DRYER FOR CHARGING A WET RAW MATERIAL

(51) International classification	:F26B 3/08
(31) Priority Document No	:2005-112598
(32) Priority Date	:08/04/2005
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP06/307131
Filing Date	:04/04/2006
(87) International Publication No	:WO 2006/109626
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:7554/DELNP/2007
Filed on	:03/10/2007

(71)**Name of Applicant :**

**1)NIPPON STEEL ENGINEERING CO., LTD.,**  
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(72)**Name of Inventor :**

**1)UDAI KANEKO,**  
**2)ATSUSHI FUJIKAWA,**  
**3)KAZUSHI KISHIGAMI**

(57) Abstract :

A wet raw material drying method using a fluidized bed dryer for charging a wet raw material through a charging chute and blowing a high temperature gas from under a gas distribution plate as a heating and fluidizing gas so as to form a fluidized bed on the gas distribution plate to dry the wet raw material, the method comprising: providing a flow velocity of the heating and fluidizing gas blown to an area directly beneath the charging chute from under the gas distribution plate faster than flow velocity of the heating and fluidizing gas blown to other areas from under the gas distribution plate.

No. of Pages : 21 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.5854/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : RUBBER STAMP AND INK PAD FOR A SELF-INKING RUBBER STAMP

(51) International classification	:B41K 1/00
(31) Priority Document No	:A 174/2009
(32) Priority Date	:30/01/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT10/000020
Filing Date	:21/01/2010
(87) International Publication No	:WO 2010/085828
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TRODAT GMBH

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(72)Name of Inventor :

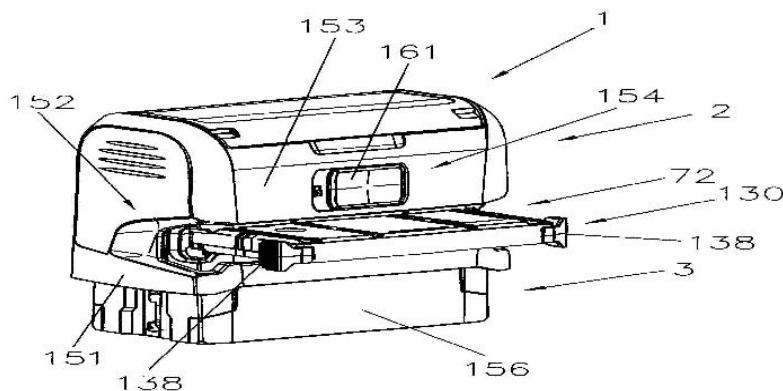
1)PETER ZINDL

2)MARKUS ZEHETNER

3)MARTIN VOLKER

(57) Abstract :

The invention describes a stamp (1) and stamp pad (130) for a self-inking stamp (1), wherein in a housing (131) or a carrying device (11) at least one pad for absorbing ink is arranged. The carrying device (11) is formed rectangular in shape from a base plate (135) with longitudinal surfaces (136) and lateral surfaces (136) moulded thereon, wherein on two surfaces running in parallel handle elements (138) for the lateral gripping of the carrying device (11) are arranged. Preferably means in form of grooves (133), catches and/or elevations (134) for the fixing in a stamp (1) are arranged on the carrying device. On the lateral surface (137) of the carrying device (11) a handle element (138) each for the lateral gripping and pulling of the carrying device (11) out of a stamp (1) formed of a plurality of parts displaceable within one another, wherein the handle elements (138) are formed for insertion in a clearance (139) of a lower part (3) of the stamp (1) and these do not protrude the outer surface (140) of the lower part (3), so that an upper part (2) of the stamp (1) is displaceable via the clearance (139) with the handle elements (138) inserted in the lower part (3). Fig. 32



*Fig. 32*

No. of Pages : 74 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2010

(21) Application No.7728/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HORIZONTAL MOLDING METHOD AND APPARATUS OF INTERIOR MATERIAL OF VEHICLE

(51) International classification	:B29C
(31) Priority Document No	:10-2010-0040499
(32) Priority Date	:30/04/2010
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/003121
Filing Date	:18/05/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HAN IL E HWA CO., LTD.

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(72)Name of Inventor :

1)SONG, IN HO

2)CHO, JI HYUN

(57) Abstract :

The present invention relates to a horizontal molding method and apparatus of an interior material of a vehicle. The horizontal molding apparatus includes a preheating means for preheating a skin material; a transfer unit formed to be movable and including fixing units for vertically attaching or detaching the preheated skin material on or from the transfer unit; a first mold disposed perpendicularly to a ground surface and including suction units for vacuum-sucking and fixing edges of the skin material transferred by the transfer unit, a base member having an embossed pattern to be printed on the skin material, fixing members for sealing an internal space between the skin material and the base member by clamping the edges of the skin material, and vacuum holes for vacuum-sucking the skin material onto the base member; a second mold disposed in parallel with the first mold and on which a base material is injected; and a mold moving means for horizontally moving one of the first and second molds and combining or separating the first and second molds to or from each other. According to the present invention, a skin material and a base material may be integrally molded by using horizontally moving molds, the skin material expanded in a preheating or heating process may be prevented from sagging downward due to its weight, and the skin material may be completely sealed so as not to be folded or wrinkled.

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2011

(21) Application No.5264/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRICAL ACCESSORY AND METHOD OF PROVIDING SAME

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(51) International classification :H04B 7/00  
(31) Priority Document No :12/349,505  
(32) Priority Date :06/01/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/020265  
    Filing Date :06/01/2009  
(87) International Publication No :WO 2010/080839  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

(71)**Name of Applicant :**  
**1)BELKIN INTERNATIONAL, INC.**  
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(72)**Name of Inventor :**  
**1)SEIL, OLIVER, DUNCAN**  
**2)FERDMAN, KELLY**  
**3)DEJONG, CHAD**  
**4)CAMACHO, ABRAHAM**  
**5)LANE, STEVEN**

(57) Abstract :

Some embodiments disclose an electrical accessory configured to transmit one or more first data signals from a first electrical device to a receiving device. The electrical accessory is also configured to transmit second data signals to the first electrical device. The first electrical device can include a first electrical connector and a second electrical connector. The electrical accessory can include: (a) a power acquisition unit configured to receive electrical power from an external power source; (b) a first electrical interface electrically coupled to the power acquisition unit and configured to mechanically and electrically couple to the first connector to provide the electrical power to the first electrical device; (c) a second electrical interface configured to mechanically and electrically couple to the second connector, the second electrical interface is configured to transmit the second data signals to the first electrical device and to receive the first data signals from the first electrical device; (d) a transmittal mechanism electrically coupled to the second electrical interface and configured to provide the first data signals to the receiving device; and (e) a first microphone electrically coupled to the second electrical interface and configured to receive sounds and convert the sounds into the second data signals. Other embodiments are disclosed in this application.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5409/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SOLAR POWERED UTILITY

(51) International classification	:H02J 13/00
(31) Priority Document No	:61/143,124
(32) Priority Date	:07/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020266
Filing Date	:06/01/2010
(87) International Publication No	:WO /2010/080840
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)CHRISTOPHER HORNOR**

(57) Abstract :

Systems and methods for providing renewable energy to rural communities employ a solar powered charger and a key configured to activate the solar powered charger, where the solar powered charger is enabled for one or more charge and discharge cycles to provide electrical energy to a device configured to be operated or charged by the solar powered charger

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2010

(21) Application No.7620/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PESTICIDAL COMPOSITIONS

(51) International classification	:A01N
(31) Priority Document No	:61/052,358
(32) Priority Date	:12/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2009/056294
Filing Date	:25/05/2009
(87) International Publication No	:WO 2009/138523
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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1)KEIPER JASON

2)KOON JOSHUA

3)CUSH SARAH

4)HOPKINSON MICHAEL JAMES

5)REYNOLDS JOHNNY D.

6)PETERSON JENNIFER

7)BOYKIN ROY

8)CISNEROS JORGE

---

(57) Abstract :

A formulated composition suitable for controlling or preventing pathogenic damage in a plant comprising (A) at least one solid active ingredient having a water solubility of at most 100 µg/litre at 25 °C at neutral pH, in an amount of at least 1 weight %, based on the total weight of the formulated composition, (B) at least one non-ionic surface active compound having a hydrophile-lipophile balance (HLB) of between 10 and 18, one or more customary formulation auxiliaries, and water; wherein active ingredient (A) is suspended or dispersed in the water, the weight ratio of surface active compound (B) to active ingredient (A) is in the range of from 1.5 to 15.0, provided the minimum amount of surface active compound (B) is at least 6 weight %, based on the total weight of the formulated composition. Also a method of improving pesticide residue levels in agriculture.

No. of Pages : 47 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2010

(21) Application No.7893/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A FUEL FILTER

(51) International classification	:F02M
(31) Priority Document No	:RE2008A000054
(32) Priority Date	:23/06/2008
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2008/062778
Filing Date	:24/09/2008
(87) International Publication No	:WO 2009/000938
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)UFI INNOVATION CENTER S.R.L.**

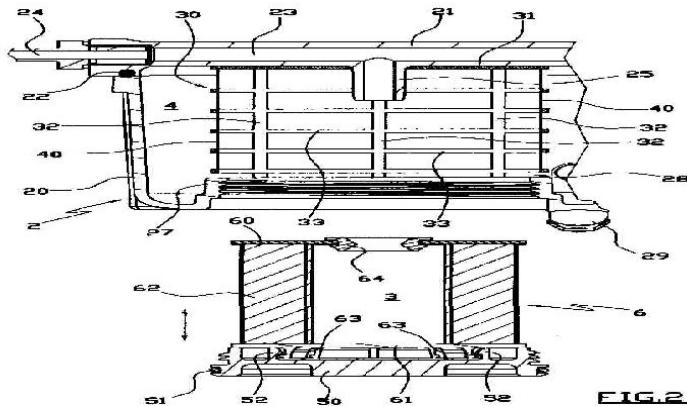
Address of Applicant :20, VIALE TRENTO, 1-38061 ALA (TRENTO), ITALY

(72)Name of Inventor :

**1)GIRONDI, GIORGIO**

(57) Abstract :

A fuel filter, in particular for Diesel engine fuel, comprising a closed casing (2) the internal volume of which comprises at least a first chamber (3), connected to an inlet (24) for the fuel to be filtered, and a second chamber (4) connected to an outlet (26) for the filtered fuel. A filter screen (62) and a hydrophobic mesh (40) are positioned between the first chamber (3) and the second chamber (4), and the filter screen (62) is removably fitted to the filter, independently of the hydrophobic mesh (40).



No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2010

(21) Application No.2932/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD OF CONTROLLING A FUEL FLOW TO A TURBOMACHINE

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(51) International classification	:F02C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/646,132	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:23/12/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)BYRD DOUGLAS S.</b>
Filing Date	:NA	<b>2)LAW JOSEPH R.</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

An embodiment of the invention applies a physics based approach to determine the mass flowrate of the fuel required for a robust ignition mode. This approach uses a closed-loop controls methodology (200,300). Here, a turbine control system (190) receives a plurality of operating data. The turbine control system (190) utilizes at least one algorithm, which applies an energy balance to the received operating data. The operating data may include, but is not limited to, airflow data, data from the fuel system (160), data related to the shaft work, exhaust data, and data related to the heat loss. This energy balance is used to determine the required mass flow rate.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4947/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ELECTRIC POWER STEERING APPARATUS

(51) International classification	:G05B
(31) Priority Document No	:2009-294192
(32) Priority Date	:25/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/0711672
Filing Date	:03/12/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

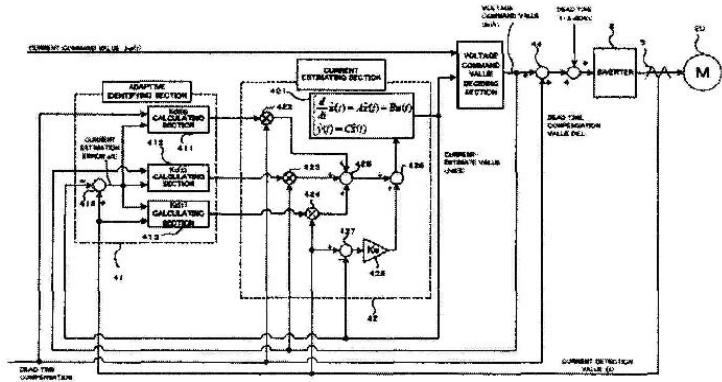
1)IMAMURA, YOUSUKE

2)ENDO, SHUJI

(57) Abstract :

The present invention provides a motor control apparatus that is capable of making the whole system robust not only with respect to motor parameter variations such as the temperature variation and the manufacturing unevenness but also with respect to disturbances and an electric power steering apparatus mounting the motor control apparatus thereon. The motor control apparatus comprises a current detector for detecting a current of a motor and a controller for deciding a voltage command value based on at least a current command value, the controller comprises an adaptive identifying means for identifying parameter variations of an output model of the motor, a current estimating means for estimating a current of the motor, and a voltage command value deciding means for deciding the voltage command value, and the adaptive identifying means performs the identification based on at least a current detection value detected by the current detector and a current-estimate value calculated by the current estimating means, the current estimating means calculates the current-estimate value based on at least a result of the identification and the voltage command value, the voltage command value deciding means decides the voltage command value based on the current command value and the current-estimate value.

FIG.3



No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2011

(21) Application No.4949/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : EXPRESSION CONFLICT RESOLUTION IN COMMUNICATION NETWORK TAILORING

(51) International classification	:H04M 3/42
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/NL2008/050859
Filing Date	:30/12/2008
(87) International Publication No	:WO 2010/077131
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83 STOCKHOLM (SE)  
Sweden

(72)Name of Inventor :

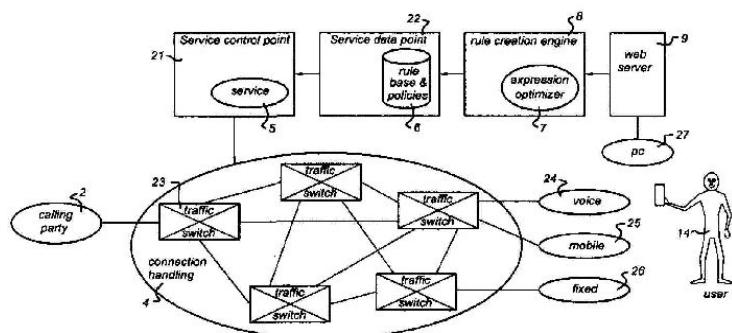
1)ZWAAL, FREDERIK HUGO

2)VERHEIJEN, MIEKE

(57) Abstract :

Rule creation engine for application in a service (5) provided in a telecommunication network (1). The rule creation engine (8) is in communication with a user terminal(10) and a database (6). The rule creation engine (8) is arranged to create an expression set, which comprises a relationship between stimuli originating from and responses intended for the behavior of the service (5) in the telecommunication network (1), to detect one or more inconsistencies in the expression set. Furthermore, the rule creation engine is arranged to recursively determine a set of alternatives which needs the least user interaction to resolve the inconsistencies, translate the set of alternatives in a mathematical function, send to the user terminal (10) possible alternatives to resolve the mathematical function, receive from the user terminal (10) one of the possible alternatives, and update the expression set in the database (6) using the received alternative.

Fig 4



No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.8083/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPRESSOR COVER FOR TURBINE ENGINE HAVING AXIAL ABUTMENT

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(51) International classification	:F02C
(31) Priority Document No	:0853394
(32) Priority Date	:26/05/2008
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2009/050939
Filing Date	:20/05/2009
(87) International Publication No	:WO 2009/153478
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)TURBOMECA**

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(72)**Name of Inventor :**

**1)PHILIPPE JOUBERT**

**2)PATRICE LABORDE**

**3)YANN MOUZE**

**4)PHILIPPE PEROT**

---

(57) Abstract :

The invention relates to a centrifugal compressor for a turbine engine, said compressor comprising a cover having an upstream end and a downstream end (100b); a casing (30) presenting an upstream edge and a downstream edge (34); and a bladed impeller (20) mounted to rotate in said casing; said cover being designed to cover the blades of the impeller so as to define an outside surface of a gas-flow passage extending between the upstream and downstream edges of the casing, while being fastened to the upstream edge of the casing via its upstream end while its downstream end remains free. The invention is characterized by the fact that the cover (100) further includes an abutment (102) for limiting the axial movement of its downstream end (100b) relative to the downstream edge (34) of the casing while the compressor is in operation.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5062/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMIDAZOPYRIDINE DERIVATIVES WHICH INHIBIT THE SECRETION OF GASTRIC ACID

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(51) International classification	:C07D 471/04
(31) Priority Document No	:20086158
(32) Priority Date	:03/12/2008
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FL2009/050861
Filing Date	:27/10/2009
(87) International Publication No	:WO 2010/063876
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)MIKAEL DAHLSTR-M**

Address of Applicant :KANSJERFVAGEN 145 B,FL-10570  
BROMARV, FINLAND

(72)Name of Inventor :

**1)MIKAEL DAHLSTR-M**

(57) Abstract :

The present invention relates to substituted imidazo [1,2-a]pyridines of formula I where R is -CH<sub>2</sub>COOH or -COOH, which inhibits exogenously or endogenously stimulated gastric acid secretion and can be used in the prevention and treatment of gastric acid related diseases and gastrointestinal inflammatory diseases.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2011

(21) Application No.5214/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SINGLE RECOMBINATION SYSTEM AND METHODS OF USE

(51) International classification	:C12N 15/863
(31) Priority Document No	:08022296.1
(32) Priority Date	:22/12/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/009028
Filing Date	:16/12/2009
(87) International Publication No	:WO 2010/072365
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)EMERGENT PRODUCT DEVELOPMENT GERMANY  
GmbH

Address of Applicant :WALTER-GROPIUS-STRASSE 17,  
80807 MUNICH, GERMANY

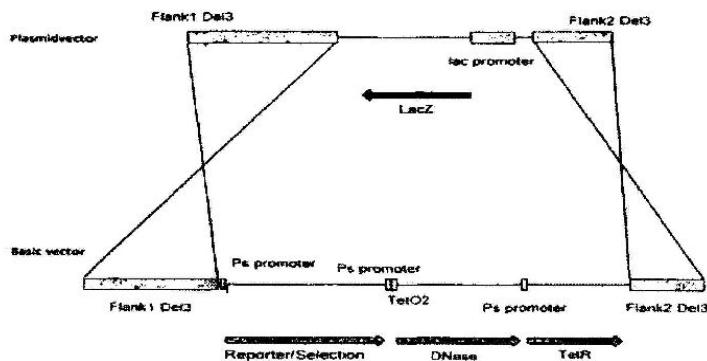
(72)Name of Inventor :

1)LEYRER, SONJA  
2)FISCHER, KATZA

(57) Abstract :

The present invention is directed to a modified poxvirus vector that allows for the generation of recombinant poxviruses by a single recombination event. A modified poxvirus vector comprising at least one reporter gene located between two flanking sequences for homologous recombination is disclosed. Furthermore, a host cell comprising said vector and a method for the generation of recombinant poxviruses using said vector are provided.

FIG. 2



No. of Pages : 91 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.7823/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TRAFIC FORWARDING FOR VIRTUAL MACHINES

(51) International classification	:G06F
(31) Priority Document No	:12/387,174
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/0001184
Filing Date	:21/04/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)CISCO TECHNOLOGY, INC.**

Address of Applicant :170 WEST TASMAN DRIVE, SAN JOSE, CALIFORNIA 95134-1706, U.S.A.

(72)**Name of Inventor :**

**1)MICHAEL SMITH**

**2)ANUSANKAR ELANGOVAN**

**3)PAUL FAZZONE**

(57) Abstract :

In one embodiment, an apparatus configured for communication with a plurality of virtual machines includes a virtual switch in communication with one or more of the virtual machines, an interface in communication with one or more of the virtual machines and configured for communication with a hardware implemented switch, and a mode selector for assigning to each of the virtual machines, a mode of operation for forwarding data from the virtual machine and switching the assigned mode of operation at one or more of the virtual machines. The mode of operation is selected from a first mode wherein the data is forwarded by the hardware implemented switch and a second mode wherein the data is forwarded by the virtual switch.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/11/2010

(21) Application No.7825/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PORT GROUPING FOR ASSOCIATION WITH VIRTUAL INTERFACSES

---

(51) International classification	:H04L
(31) Priority Document No	:61/216,264
(32) Priority Date	:15/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/0001369
Filing Date	:07/05/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)CISCO TECHNOLOGY, INC.**

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(72)**Name of Inventor :**

**1)NARENDER ENDURI**

**2)MICHAEL SMITH**

**3)MARK BAKKE**

---

(57) Abstract :

In one embodiment, an apparatus includes a port channel manager for receiving information identifying switches connected to a group of physical ports at a network device and creating subgroups each comprising the physical ports connected to one of the switches. The apparatus further includes a virtual interface agent for assigning a virtual interface connecting a virtual switch to a virtual machine, to one of the subgroups. Traffic received from the virtual machine on the virtual interface is transmitted to one of the switches on one of the physical ports in the assigned subgroup. A method for grouping ports for association with virtual interfaces is also disclosed.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.8103/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : STEAM GENERATION SYSTEM HAVING A MAIN AND AUXILIARY STEAM GENERATOR

(51) International classification	:F03G
(31) Priority Document No	:61/046,948
(32) Priority Date	:22/04/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/NL2009/000097
Filing Date	:20/04/2009
(87) International Publication No	:WO 2009/131438
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NEM ENERGY B.V.

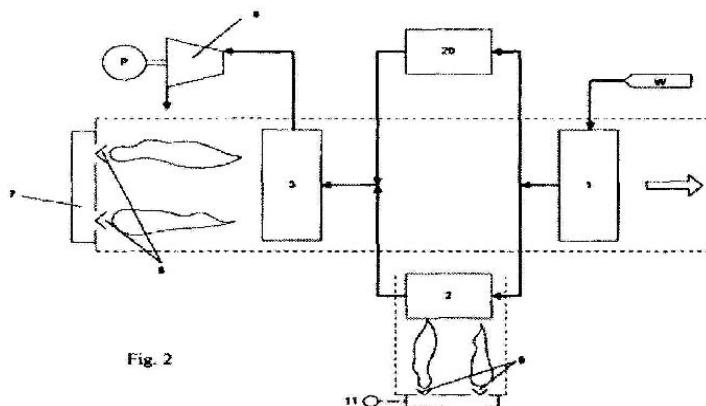
Address of Applicant :800, PRINSES BEATRIXLAAN, 2595 BN 'S-GRAVENHAGE, THE NETHERLANDS

(72)Name of Inventor :

1)ROP, PETER, SIMON

(57) Abstract :

A steam generation system comprises a main steam generator and a back-up steam generator (20) which are both in fluid communication with a super heater (3) for superheating the generated steam. The superheater comprises a main heat source (6) for heating up a flow of heating gas. A back-up evaporator (2) is provided as a back-up steam generator for evaporating supplied water into steam. The back-up evaporator is connected in parallel to the main steam generator. An auxiliary heat source is provided for heating up the back-up evaporator. By controlling the auxiliary heat source (9), it is possible to supply more or less heat energy to the back-up evaporator to compensate for fluctuations in steam production of the main steam generator. The back-up evaporator is positioned away from the flow of heating gasses departing from the main heat source.



No. of Pages : 21 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2011

(21) Application No.4917/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : POWER SYSTEM FREQUENCY INERTIA FOR WIND TURBINES

(51) International classification	:F03D 3/00
(31) Priority Document No	:EP09001336
(32) Priority Date	:30/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/052745
Filing Date	:10/03/2009
(87) International Publication No	:WO 2010/086031
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SIEMENS AKTIENGESELLSCHAFT

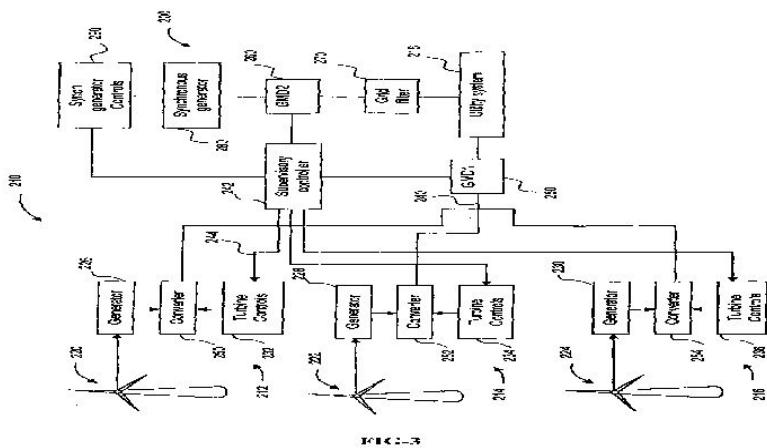
Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)THISTED; JAN

(57) Abstract :

The invention relates to a wind turbine system comprising: a wind turbine operable to supply wind power to an utility system; a synchronous generator coupled to the utility system; a grid measurement device arranged for measuring the current and power that is exchanged between the synchronous generator and the utility system; a controller for adjusting the output power of the wind turbine as a function of the power and current that is measured by the grid measurement device; and a means of communication between the grid measurement device, controller and/or the wind turbine, wherein the wind turbine is configured to provide current and power to the utility system as a function of the measured power and current of the grid measurement device. Fig: 3



No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5065/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : HEAT EXCHANGER AND AIR CONDITION SYSTEM

(51) International classification	:F28D 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/CN2009/070041	<b>1)DANFOSS QINBAO (HANGZHOU) PLATE HEAT EXCHANGER COMPANY LIMITED</b>
(32) Priority Date	:06/01/2009	Address of Applicant :NO. 60, 21ST AVENUE, ECONOMIC & TECHNOLOGICAL DEVELOPMENT AREA, HANGZHOU, ZHEJIANG, 310018 CHINA
(33) Name of priority country	:PCT	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2009/070041	<b>1)PERSSON, LARS</b>
Filing Date	:06/01/2009	
(87) International Publication No	:WO 2010/078722	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a heat exchanger of a plate type comprising an evaporator having at least one inlet and at least one outlet allowing a first medium to enter into and exit from the evaporator. The evaporator comprises a plurality of interconnected evaporation chambers disposed in parallel, having at least one common inlet and at least one common outlet allowing the first medium to enter into and exit from the evaporation chambers. An injector (495) is provided in at least one of the evaporation chambers, the injector comprises a channel, the channel is connected at one end with the common inlet of the evaporation chamber and is connected at the other end with an expanded outlet which opens to the evaporation chamber, the channel is much narrower than the common inlet so as to form a jet flow when the first medium flows through the channel, and a hole (180, 480) is formed at the intersecting point between the channel and the expanded outlet or formed on the channel near the intersecting point between the channel and the expanded outlet. With the technical solution of the invention, the efficiency of the evaporator and thus the heat exchanger can be improved, and the wear of a compressor connected to and co-operating with the evaporator can be reduced.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5066/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF TACTILE ACCESS AND NAVIGATION FOR THE VISUALLY IMPAIRED WITHIN A COMPUTER SYSTEM

(51) International classification	:G06F 3/01	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/237,165	<b>1)TACTILE WORLD LTD.</b>
(32) Priority Date	:03/12/2008	Address of Applicant :P.O. BOX 1066, RAANANA 43110, ISRAEL
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IL2009/001050	<b>1)KARASIN, LGOR</b>
Filing Date	:08/11/2009	<b>2)WOHL, YULIA</b>
(87) International Publication No	:WO 2010/064227	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Tactile access and navigation system and method for visually impaired users operating within a computerized data environment including a bi-directional input-output system having one or more tactile displays and user-operable input controls; a data transformer for extracting display data from the computer and transforming that data into a form suitable for display by the one or more tactile displays; apparatus for arranging the display data into a predetermined structure of GUI elements for navigation by the bi-directional input-output system; and apparatus for providing display data to the one or more tactile displays in any of one or more viewing modes for displaying on the one or more tactile displays a tactile representation of graphical and textual data content; and one or more navigational modes for displaying on the one or more tactile displays a tactile representation of the orientation of the GUI elements within the structure.

No. of Pages : 50 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2010

(21) Application No.8547/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OLEFIN FUNCTIONALIZATION BY METATHESIS REACTION

(51) International classification	:C08F
(31) Priority Document No	:12/143,663
(32) Priority Date	:20/06/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US09/047953
Filing Date	:19/06/2009
(87) International Publication No	:WO 2009/155517
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)JOHN R. HAGADORN  
2)MATHEW W. HOLTCAMP  
3)ANDREW G. NARVAEZ JR.  
4)DONNA J. CROWTHER  
5)PATRICK BRANT**

(57) Abstract :

This invention relates to a process to functionalize propylene co-oligomer comprising contacting an alkene metathesis catalyst with a heteroatom containing alkene, and a propylene a co-oligomer having an Mn of 300 to 30,000 g/mol comprising 10 to 90 mol% propylene and 10 to 90 mol% of ethylene, wherein the oligomer has at least X% allyl chain ends, where: 1)  $X = (-0.94 \text{ (mole\% ethylene incorporated)} + 100)$ , when 10 to 60 mole% ethylene is present in the co-oligomer, and 2)  $X = 45$ , when greater than 60 and less than 70 mole% ethylene is present in the co-oligomer, and 3)  $X = (1.83 \text{ (mole\% ethylene incorporated)} - 83)$ , when 70 to 90 mole% ethylene is present in the co-oligomer. This invention also relates to a process to functionalize propylene homo-oligomer comprising contacting an alkene metathesis catalyst with a heteroatom containing alkene, and a propylene homo-oligomer, comprising propylene, wherein the oligomer has: at least 93% allyl chain ends, an Mn of about 500 to about 20,000 g/mol, an isobutyl chain end to allylic vinyl group ratio of 0.8:1 to 1.2:1.0, and less than 100 ppm aluminum.

No. of Pages : 57 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5080/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR OPERATING BRUSHLESS DC MOTOR

(51) International classification	:H02P 6/00
(31) Priority Document No	:102009000012.7
(32) Priority Date	:02/01/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/064609
Filing Date	:04/11/2009
(87) International Publication No	:WO 2010/076069
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROBERT BOSCH GmbH

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

1)MUELLER, ANDREAS

2)EISENHARDT, HARALD

(57) Abstract :

Described herein is a method for operating a brushless direct current (DC) motor that is actuated by means of a pulse width modulation actuating signal (11) via two full bridges (2) that comprise at least one passive freewheel. The method includes determining the pulse width modulation actuating signal (11) depending on a path of a freewheeling current (if) in the passive freewheel.

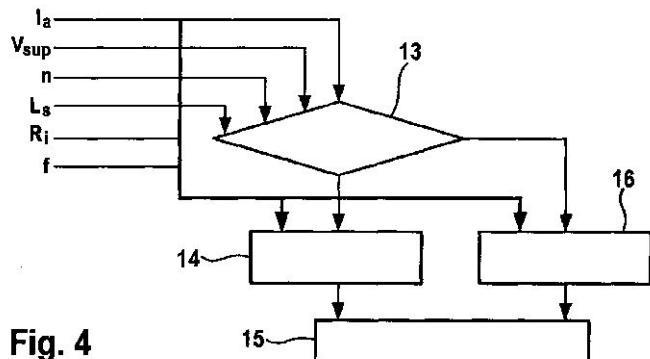


Fig. 4

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/07/2011

(21) Application No.5083/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POLY(VINYL BUTYRAL) ENCAPSULANT COMPRISING HINDERED AMINES FOR SOLAR CELL MODULES

(51) International classification	:H01L 31/048	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/146,522	<b>1)E.I. DU PONT DE NEMOURS AND COMPANY</b>
(32) Priority Date	:22/01/2009	Address of Applicant :1007 MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/021796	(72) <b>Name of Inventor :</b>
Filing Date	:22/01/2010	<b>1)SMITH, REBECCA, L.</b>
(87) International Publication No	:WO 2010/085640	<b>2)STIKA, KATHERINE, M.</b>
(61) Patent of Addition to Application Number	:NA	<b>3)WALL, JASON, S.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a solar cell module that comprises a solar cell assembly. The solar cell assembly is encapsulated by a poly(vinyl butyral) encapsulant and contains an oxidizable metal component that is at least partially in contact with the poly(vinyl butyral) encapsulant. The poly(vinyl butyral) encapsulant comprises poly(vinyl butyral), about 15 to about 45 wt % of one or more plasticizers, and about 0.5 to about 2 wt % of one or more hindered amine, based on the total weight of the poly(vinyl butyral) encapsulant. Further provided are an assembly for preparing the solar cell module; a process for preventing or reducing the discoloration of a poly(vinyl butyral) encapsulant in contact with an oxidizable metal component in the solar cell module; and the use of the solar cell module to convert solar energy to electricity.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/10/2010

(21) Application No.7572/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR RESTRAINING A VEHICLE USING STRAPS.

(51) International classification	:B60P
(31) Priority Document No	:61/048,072
(32) Priority Date	:25/04/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/041705
Filing Date	:24/04/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)TRINITY INDUSTRIES, INC.**

Address of Applicant :2525 STEMMONS FREEWAY,  
DALLAS, TX 75207 (U.S) U.S.A.

(72)**Name of Inventor :**

**1)CENCER, ROBERT, JAMES**

(57) Abstract :

A vehicle restraint system includes a strap assembly configured to be positioned on a portion of a tire of a vehicle to secure the vehicle to a configurable track assembly, such that the strap assembly is configured to be coupled to the configurable track assembly on inboard side of the tire of the vehicle. System includes a pin assembly configured to be coupled to the configurable track assembly on outboard side of the tire of the vehicle, such that the pin assembly is operable to receive the strap assembly. System also includes a winch assembly configured to be coupled to the configurable track assembly and to a second end of the strap assembly, such that the winch assembly is uncoupled from the pin assembly and operable to tighten the strap assembly around a portion of the tire.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2010

(21) Application No.7716/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LIGHTWEIGHT STRUCTURAL CONCRETE COMPOSITION

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(51) International classification

:C04B

(31) Priority Document No

:61/123,128

(32) Priority Date

:04/04/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/002118

Filing Date

:04/04/2009

(87) International Publication No

:WO 2009/123760

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

---

(57) Abstract :

A lightweight structural concrete is composed of coarse structural aggregate sized between 1/4 to 1/2 occupying 15% to 25% of total concrete volume, large non-structural lightweight aggregate such as expanded polystyrene bead of a particular size distribution and volume amount, small size non-structural lightweight aggregate or entrained air cells of another specific size distribution and volume amount, and a dense cementitious composition comprising cement binder, pozzolan, and fine structural filler no larger than concrete sand ASTM C33.

No. of Pages : 27 No. of Claims : 8

(71)Name of Applicant :

**1)BUI THUAN**

Address of Applicant :58 NORTH MASCHER STREET,  
PHILADELPHIA, PA 19106, U.S.A.

(72)Name of Inventor :

**1)BUI THUAN**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.8621/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : LINE LEADTHROUGH WITH SEQUENCE OF LAYERS

(51) International classification	:F16L
(31) Priority Document No	:08010317.9
(32) Priority Date	:06/06/2008
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2009/001748
Filing Date	:11/03/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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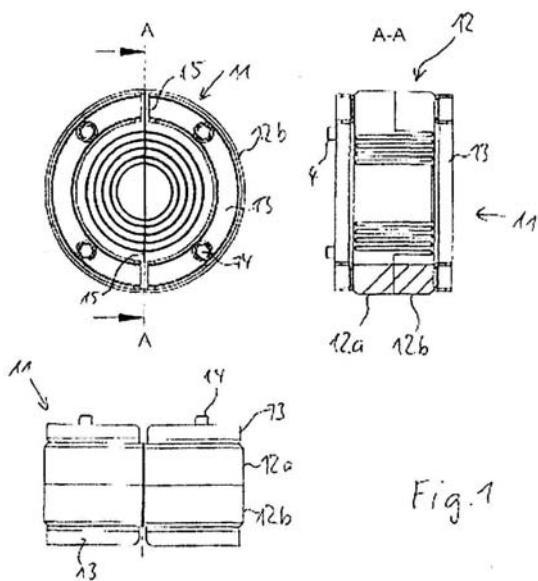
1)EGRITEPE, SENOL

2)HECK, MARTIN

3)SEIBOLD, MICHAEL

(57) Abstract :

The invention relates to a conduit duct (11) having a sequence of layers, wherein adjacent layers belong to different elastomer body parts (12 a, b) being integral respectively and, on the other hand, a plurality of layers belongs to the same elastomer body part (12 a, b).



No. of Pages : 42 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3039/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR MAKING UNIFORM POLYMER BEADS

---

(51) International classification

:C08F

(31) Priority Document No

:61/335,013

(32) Priority Date

:30/12/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)MARTIN DEETZ**

**2)JOHN J. MAIKNER**

**3)WILLIAM ZABRODSKI**

---

(57) Abstract :

A process for making substantially uniform polymer particles in an aqueous dispersion comprising forming a monomer emulsion with an emulsifying agent, at least one monomer molecule, and an initiator; adding the monomer emulsion to at least a stabilizing agent and a plurality of oligomeric droplets; and polymerizing the at least one monomer molecule to form an aqueous dispersion of polymer particles.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.3040/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POLYCARBONATE HAVING IMPROVED THERMAL AND MECHANICAL PROPERTIES AND REDUCED COEFFICIENTS OF THERMAL EXPANSION

(51) International classification	:C08G
(31) Priority Document No	:102009059771.9
(32) Priority Date	:21/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)HELMUT-WERNER HEUER**

**2)ROLF WEHRMANN**

---

(57) Abstract :

The present invention relates to thermoplastic high-Tg polycarbonates and moulding materials which are distinguished by improved thermal properties and improved mechanical properties, in particular by reduced thermal expansion. The present invention furthermore relates to a process for the preparation of these polycarbonates. In particular, this invention relates to polycarbonates which the structural unit which derives from phthalimide of the formula (I) and polycarbonate compositions and moulding materials therefrom as well as a process for the preparation of these polycarbonates, and the use thereof, in particular as reflectors and display substrates.

No. of Pages : 44 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5157/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CLEANING DEVICE FOR A CONVECTION SECTION OF A THERMAL POWER PLANT

(51) International classification	:F23J 3/02
(31) Priority Document No	:10 2008 060 887.4
(32) Priority Date	:09/12/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/066169
Filing Date	:01/12/2009
(87) International Publication No	:WO 201066610
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CLYDE BERGEMANN GMBH MASCHINEN- UND APPARATEBAU

Address of Applicant :SCHILLWIESE 20, 46485 WESEL  
(DE) Germany

(72)Name of Inventor :

1)ZACHAY, RICHARD

(57) Abstract :

The invention relates to a cleaning device (1) comprising at least: a holder (2), a lance (3) having a fluid distribution device (4), a drive unit (5) for a translational motion of the lance (3) in the holder (2), and a fluid conducting system (6) having a feed (7), a return (8), and flow paths (9) starting from the feed (7) to the return (8) and to the fluid distribution device (4), wherein at least one actuating means (10) is provided in order to connect the feed (7) to the return (8) or to the fluid distribution device (4) as needed. The invention further relates to a method for cleaning heating surfaces (23) of a convection section (18) of a thermal power plant (17) that comprise spaced heat exchanger pipes (21) using such a cleaning device (1).

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5158/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESSING OF MACRONUTRIENTS

(51) International classification	:C12N 9/76
(31) Priority Document No	:09150113.0
(32) Priority Date	:06/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/066903
Filing Date	:11/12/2009
(87) International Publication No	:WO 2010/079039
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)Name of Inventor :

**1)PRIDMORE, RAYMOND-DAVID**

**2)ARIGONI, FABRIZIO**

**3)MAYNARD, FRANCOISE**

**4)BUREAU-FRANZ, ISABELLE**

---

(57) Abstract :

The present invention generally relates to edible compositions and methods to produce them. In particular, the present invention relates to the enzymatic modulation of macronutrients and to food compositions containing such modulated macronutrients. One embodiment of the present invention is a method for modulating macronutrients comprising the steps of producing at least one synthetic gene coding for at least one enzyme or a functional part thereof capable of modulating macronutrients, expressing the at least one enzyme or a functional part thereof, and bringing the macronutrients into contact with the at least one enzyme or a functional part thereof exhibiting the enzymatic activity.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.9086/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VECTORS FOR DELIVERY OF LIGHT-SENSITIVE PROTEINS AND METHODS OF USE

(51) International classification	:C12N
(31) Priority Document No	:61/054,571
(32) Priority Date	:20/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/044753
Filing Date	:20/05/2009
(87) International Publication No	:WO 2010/011404
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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Address of Applicant :2307 VAN NESS AVENUE, SAN FRANCISCO, CA 94109-1880, U.S.A.

**2)UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.**

(72)**Name of Inventor :**

**1)HORSAGER, ALAN**

**2)HAUSWIRTH, WILLIAM**

**3)LIU, JIANWEN**

(57) Abstract :

Provided herein are compositions and methods for gene and etiology-nonspecific and circuit- specific treatment of diseases, utilizing vectors for delivery of light-sensitive proteins to diseased and normal cells and tissues of interest.

No. of Pages : 48 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5436/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : RESOURCE MEASUREMENT AND REPORTING METHOD IN LONG TERM EVOLUTION SYSTEM

(51) International classification	:H04W 24/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:NA	Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,
(33) Name of priority country	:NA	HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT,
(86) International Application No	:PCT/CN2008/073858	SHENZHEN CITY, GUANGDONG PROVINCE 518057, P. R.
Filing Date	:30/12/2008	CHINA
(87) International Publication No	:WO 2010/078681	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)GAO, YIN</b>
Filing Date	:NA	<b>2)HE, FENG</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for measuring and reporting resource in a long term evolution system comprises: a source base station encapsulating a resource status request message and sending the message to a target base station; after receiving the resource status request message, the target base station processing the message, and sending a resource status success response to the source base station if the processing is successful, or else sending a resource status failure response if the processing is failed; the source base station encapsulating at least a message type (2), a measurement request type (3), a source base station global identifier (4) and measurement configuration information (5) in the resource status request message, wherein, the measurement request type (3) is one or more of start, modify and end (7); the measurement configuration information (5) is measurement configuration information (5)in current measurement request type (3). The method makes it convenient to start, modify or end the current measurement by the target base station during network operation after a plurality of resource status measuring and reporting, are launched between base stations, and thus reducing the number of information exchange between base stations.

Cell name	IIE type and reference information
Message type	
Measurement request type	Start, modify, end
Source eNB global identifier	eNB unique identifier
Measurement configuration information	

Fig 2

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5438/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AGROCHEMICAL AUXILIARY COMPOSITIONS

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(51) International classification	:A01N
(31) Priority Document No	:61/140,429
(32) Priority Date	:23/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2009/008899
Filing Date	:12/12/2009
(87) International Publication No	:WO 2010/072341
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)FLEUTE-SCHLACHTER, INGO**  
**2)MERLET, STEPHANIE**  
**3)BALDAUF, KLAUS, JURGEN**  
**4)MAINX, HANS-GEORG**  
**5)ABRIBAT, BENOIT**

---

(57) Abstract :

Suggested are agrochemical auxiliary compositions, comprising (a) alkoxylated polyol esters, (b) optionally alkoxylated alk(en)yl oligoglycosides, and (c) fatty acids or their salts.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/11/2010

(21) Application No.8207/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LOW-STRAIN-RATE MODIFIED ZIRCON MATERIAL AND ARTICLES

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(51) International classification	:C04B
(31) Priority Document No	:61/128,233
(32) Priority Date	:20/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/002908
Filing Date	:11/05/2009
(87) International Publication No	:WO 2009/142695
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING,  
NEW YORK 14831, U.S.A.

(72)Name of Inventor :

**1)WILLIAM PETER ADDIEGO**

**2)MICHAEL J. BENNETT**

(57) Abstract :

A modified zircon-based refractory material comprising TiO<sub>2</sub> and Y<sub>2</sub>O<sub>3</sub> having a density in certain embodiments higher than 4.00 g/cm<sup>3</sup>, and method of making such zircon materials. The process involves the use of zircon particles having a multi-modal particle distribution curve in making the green body. The material exhibits an improved performance in creep rate. The invention is particularly useful for making zircon-based isopies for fusion down-draw forming of glass sheet materials.

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2010

(21) Application No.9110/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ACOUSTIC PLAYBACK SYSTEM

(51) International classification	:H04R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/JP2010/069504	<b>1)TRIGENCE SEMICONDUCTOR, INC.</b>
(32) Priority Date	:02/11/2010	Address of Applicant :4-6-13-404, KUDANMINAMI, CHIYODA-KU, TOKYO 1020074, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/069504	<b>1)YASUDA AKIRA</b>
Filing Date	:02/11/2010	<b>2)OKAMURA JUN-ICHI</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An acoustic playback system including a digital filter; and a plurality of digital modulators each of which output a digital signal to one of a plurality of speakers configured with speakers driven by digital signals having different play back bandwidths; wherein the digital filter converts a digital audio signal which is input into a plurality of digital audio signals of a plurality of frequency bandwidths corresponding to play back bandwidths of the plurality of speakers, and outputs each of the digital audio signals of the plurality of frequency bandwidths to one of the plurality of digital modulators; each of the plurality of digital modulators outputs the modulated digital signal to the speaker of a play back bandwidth corresponding to a frequency bandwidth of the digital audio signal which is input by performing miss match shaping after noise shaping to a digital audio signal which is input; and each number of bits of a digital signal which is output by each of the digital modulators is different is provided.

No. of Pages : 86 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.9333/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CONTROL SYSTEM FOR POWER TRANSMISSION UNIT

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(51) International classification	:B60K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2010/051132
Filing Date	:28/01/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)YOSHIDA MICHIO**

**2)SANO TOSHINARI**

**3)SAITO TATSUYA**

---

(57) Abstract :

To provide a control system for a power transmission unit capable of utilizing pressure of exhaust gas generated in an internal combustion engine. The control system for a power transmission unit according to the present invention comprises: a power transmission unit 12 to which a power is inputted; a movable member 17 arranged in a movable manner to control a power transmitting condition of the power transmission unit 12; and a pressure chamber 18 to which a pressure is transmitted to generate a force to be applied to the movable member 17; an internal combustion engine 2, which is adapted to output power by converting thermal energy resulting from burning fuel into kinetic energy; a pressure transmission mechanism 22A, which is adapted to transmit a pressure of exhaust gas resulting from burning the fuel in the internal combustion engine 2 to the pressure chamber 18; and a heat transfer control mechanism 47, which is adapted to control an amount of heat to be transferred to the pressure chamber 18 from the exhaust gas, when transmitting the pressure of the exhaust gas to the pressure chamber 18 by the pressure transmission mechanism 22A.

No. of Pages : 44 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5307/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CUTTING A COLLAPSIBLE TUBE FOR BIOPHARMACEUTICAL USE

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(51) International classification	:A61M 39/28
(31) Priority Document No	:0806951
(32) Priority Date	:10/12/2008
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2009/052283
Filing Date	:24/11/2009
(87) International Publication No	:WO 2010/066977
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**1)ISABELLE VALERIE CHIRISTINE GAY**

**2)MICHAEL BATES**

**3)RAY BASSETTS**

**4)CHRIS BIDDEL**

---

(57) Abstract :

The invention relates to a method for closing and cutting a collapsible tube, wherein a cutting member (2) and a pinching closing device (1) are provided for cutting into two sections (3a, 3b), each with two portions (4a, 4b, 5a, 5b) having cavities (11 a, 11 b) that can be placed in removable extension by combination means (24a, 24b, 27, 32) and providing a passage (22) with one entrance (26), the pinching closing device (1) for cutting being in the open or closed state in which the sections (3a, 3b) are closed by locking means (25a, 25b) and in which the surfaces (13, 14) form a passage (23) for pinching and closing the tube; the pinching region of the tube is positioned in the cavity (11a) of one section (3a); the other section (3b) is positioned opposite the preceding section and the pinching closing device (1) for cutting is placed in the closed state, with the engagement of locking means (25a, 25b), the tube being positively pinched and closed in two positive pinching areas and maintained as such; the tube is cut between the portions (4a and 5a, 4b and 5b) in the closed state, using the cutting member (2), making said member pass through the passage (22), without interfering with the pinching closing device (1) for cutting, and the portions (4a and 4b, 5a and 5b) are separated.

No. of Pages : 47 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5450/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FUEL ADDITIVE CONTAINING LATTICE ENGINEERED CERIUM DIOXIDE NANOPARTICLES

(51) International classification	:B01J 23/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2008/087133
Filing Date	:17/12/2008
(87) International Publication No	:WO 2010/071641
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)DIFRANCESCO, ALBERT, GARY**

**2)ALLSTON, THOMAS, D.**

**3)HAILSTONE, RICHARD, K.**

**4)LANGNER, ANDREAS**

**5)REED, KENNETH, J.**

---

(57) Abstract :

A process for making cerium dioxide nanoparticles containing at least one transition metal (M) includes the following steps: (a) providing an aqueous reaction mixture containing a source of cerous ion, a source of one or more transition metal ions (M), a source of hydroxide ion, at least one nanoparticle stabilizer, and an oxidant at an initial temperature in the range of about 20°C to about 95°C; (b) mechanically shearing the mixture and causing it to pass through a perforated screen, thereby forming a homogeneously distributed suspension of cerium hydroxide nanoparticles; and (c) providing temperature conditions effective to enable oxidation of cerous ion to ceric ion, thereby forming a product stream that contains transition metal-containing cerium dioxide nanoparticles, Ce<sub>1-x</sub>M<sub>x</sub>O<sub>2</sub>, wherein x has a value from about 0.3 to about 0.8. The nanoparticles thus obtained have a cubic fluorite structure, a mean hydrodynamic diameter in the range of about 1 nm to about 10 nm, and a geometric diameter of less than about 4 nm. The transition metal-containing crystalline cerium dioxide nanoparticles can be used to prepare a dispersion of the particles in a nonpolar medium.

No. of Pages : 68 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/09/2010

(21) Application No.558/DEL/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A NOVEL COMPREHENSIVE TEST/KIT FOR DETECTION OF UREA ADULTERATION IN MILK

(51) International classification	:G01N
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY (GJUST ) HISSAR (HARYANA ) INDIA**  
Address of Applicant :GURU JAMBHESHWAR  
UNIVERSITY OF SCIENCE & TECHNOLOGY, (GJUST),  
HISSAR (HARYANA) India

(72)**Name of Inventor :**

**1)PROF.(DR.) BHUPENDAR SINGH KHATKAR  
2)MR.DEEPAK MUDGIL  
3)Ms.SWETA BARAK**

(57) Abstract :

The present invention relates generally to the field of tackling adulteration in milk and more specifically to the issue domain of urea adulteration in milk and milk samples designated for human consumption. The invention in particular is directed towards developing a comprehensive test/kit for urea adulteration in milk samples so as to provide a qualitative as well as quantitative estimation of the adulterant urea in a given milk sample.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/07/2011

(21) Application No.972/DEL/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : AN INNOVATIVE SLIDER MECHANISM-BASED SELF MOUNTED DOOR STOPPER

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SINGH SURINDER</b>
(32) Priority Date	:NA	Address of Applicant :A-1/361, 2ND FLOOR, PASCHIM
(33) Name of priority country	:NA	VIHAR, NEW DELHI 110063, INDIA
(86) International Application No	:NA	<b>2)SINGH BRIJENDER</b>
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)SINGH SURINDER</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SINGH BRIJENDER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention focuses on providing a new and innovative concept of a mechanically based door stopping function wherein the invention is installed on the door with the help of the mounting means. On pressing the locking mechanism in the invention the movable rod is pushed down and the basal fixing mechanism gets activated and the rubber pad gets fixed on the floor to prevent the door from closing. The door stopper as arrayed in the present invention is equipped with a plunging mechanism/plunger mechanism which gets activated on pressing the push button and the movable rod is pushed down and the basal fixing mechanism gets activated and the floor rubber padding gets fixed on the floor to prevent the door from closing. On pressing the slider mechanism based locking cum release unit the floor rubber padding is released.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/07/2011

(21) Application No.5109/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DEVICE

(51) International classification	:A61B 5/00
(31) Priority Document No	:0822270.5
(32) Priority Date	:05/12/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2009/002762
Filing Date	:26/11/2009
(87) International Publication No	:WO 2010/063987
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ACCUNOSTICS LIMITED**

Address of Applicant :AN CLURAN, CROY, INVERNESS  
IV2 5PG, UNITED KINGDOM

(72)**Name of Inventor :**

**1)DAVIES OLIVER**

(57) Abstract :

An adapter for an analyte measuring device for measuring the amount of analyte in a test sample, typically a biological fluid, the device comprising a meter (14) and a test strip (10), the adapter (12) comprising a meter interface (20) for connecting to a meter designed for use with a test strip of one design, and a test strip interface (22) for connecting to a test strip of a different design, and means for adapting the output(s) from the test strip of different design for use by the test meter and/or an output(s) from the test meter for use by the test strip of different design.

No. of Pages : 16 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/07/2011

(21) Application No.5110/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INSECTICIDAL COMPOUNDS

(51) International classification	:C07D 413/12
(31) Priority Document No	:127/DELNP/2009
(32) Priority Date	:22/01/2009
(33) Name of priority country	:India
(86) International Application No	:PCT/EP2010/050358
Filing Date	:13/01/2010
(87) International Publication No	:WO 21010/084067
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SYNGENTA PARTICIPATIONS AG**

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**2)SYNGENTA LIMITED**

(72)Name of Inventor :

**1)RENOLD PETER**

**2)CASSAYRE JEROME YVES**

**3)PABBA JAGADISH**

**4)EL QACEMI MYRIEM**

**5)PITTERNA THOMAS**

---

(57) Abstract :

A compound of Fonnula (I): wherein A1, A2, A3, A4, A5, G1, R1, R2, R3 and R4 are as defined in claim 1; or a salt or N- oxide thereof. Furthermore, the present invention relates to processes and intermediates for preparing compounds of formula (I), to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising them and to methods of using them to combat and control insect, acarine, nematode and mollusc pests.

No. of Pages : 87 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.8420/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HERBICIDE COMPOSITION

(51) International classification	:A01N
(31) Priority Document No	:0810554.6
(32) Priority Date	:09/06/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2009/001426
Filing Date	:08/06/2009
(87) International Publication No	:WO 2010/001084
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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**2)SYNGENTA LIMITED**

(72)Name of Inventor :

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**2)HALL GAVIN JOHN**

**3)FORMSTONE CARL ANDREW**

**4)HASS STEFAN MICHAEL**

---

(57) Abstract :

The present invention relates to a method of selectively controlling weeds at a locus comprising crop plants and weeds, wherein the method comprises application to the locus of a weed controlling amount of an aqueous spray composition comprising a compound of formula (I) wherein R1 is selected from the group consisting of C1-C6alkyl, C2-C6alkenyl, C2- C6haloalkenyl, C2-C6alkynyl, C2-C6haloalkynyl, C3-C6cycloalkyl, C1-C6haloalkyl, C1- C4alkoxy-C1-C4alkyl and C1-C4alkoxy-C1-C4alkoxy-C1-C4alkyl; and R2 is C1-C6haloalkyl; or an agriculturally acceptable salt therefore; wherein in the pH of the spray composition is from about 5 to about 9. The invention further relates to a liquid substantially non-aqueous herbicide composition comprising a compound of formula (I) as defined above and a pH adjuster, and to the use of a pH adjuster to reduce the phytotoxicity of a compound of formula (I) in crop plants.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2010

(21) Application No.8421/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WEED CONTROL METHOD AND HERBICIDAL COMPOSITION

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(51) International classification	:A01N
(31) Priority Document No	:0810554.6
(32) Priority Date	:09/06/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2009/004035
Filing Date	:05/06/2009
(87) International Publication No	:WO 2010/000365
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)SYNGENTA PARTICIPATIONS AG**

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**2)SYNGENTA LIMITED**

(72)**Name of Inventor :**

**1)HALL GAVIN JOHN**

**2)MICHEL ALBRECHT**

(57) Abstract :

The present invention provides a method of selectively controlling unwanted vegetation at a locus comprising sugarcane and the unwanted vegetation, wherein the method comprises applying to the locus :- a. a herbicide of formula (I) or an agro chemically acceptable salt thereof; and b. a PS-II inhibiting herbicide; wherein the amount of component (a) and component (b) applied to the locus provides control of the unwanted vegetation and wherein the amount of component (b) applied safens the herbicidal effect of component (a) on the sugarcane. The invention further provides a herbicide composition comprising (a) a herbicide of formula (I) or an agrochemically acceptable salt thereof; and (b) a herbicide selected from the group consisting of metribuzin, hexazinone and tebuthiuron.

No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.988/DEL/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A BATTERY EQUALIZER WITH INBUILT AUTOMATIC BATTERY PLUGGING DEVICE

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(51) International classification	:H02K	(71) <b>Name of Applicant :</b> <b>1)SU-KAM POWER SYSTEMS LTD.</b> Address of Applicant :306, KIRTI DEEP BUILDING, NANGAL RAYA, NEW DELHI - 110046 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KUNWER SACHDEV</b>
(87) International Publication No	:NA	<b>2)SANJEEV KUMAR SAINI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

This invention relates to a battery equalizer with inbuilt device for automatic plugging comprises a secondary storage bank connected with the power backup system with charger and DC- AC converter for power backup to the main load and equalizer with automatic plugging equalizes/ plugs the battery to the main/ auxiliary load as per the requirement wherein said auxiliary load is at the output of the equalizer with automatic plugging. The present invention works as per the status of the charge of the individual battery. The device, after detecting the status of the batteries, plugs the battery with highest level of charge, to the auxiliary load.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2010

(21) Application No.7543/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ASSAY DEVICE COMPRISING BUBBLE-FORMING MEANS

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(51) International classification	:G01N
(31) Priority Document No	:0806771.2
(32) Priority Date	:12/04/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2009/050354
Filing Date	:09/04/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

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**2)SPD SWISS PRECISION DIAGNOSTICS GMBH**

(72)**Name of Inventor :**

**1)DAVID TOLLEY**

**2)BALBIR RAJ**

(57) Abstract :

Disclosed is a method for determining the presence and/or amount Oran analyte of interest in a liquid sample comprising the steps of : contacting the liquid sample suspected of containing analyte with a gas generating means (eg. catalase and peracid or peroxygen compound), which gas generating means forms a gas dependent upon the presence, absence or amount of analyte, which gas creates one or more bubbles in the liquid sample which act to alter the flow of liquid along a flow path; and determining an alteration of flow in the liquid wherein the alteration of flow of liquid along the flow path is indicative of the presence and/or amount of analyte in the liquid sample.

No. of Pages : 75 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5427/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR PATH PLANNING

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(51) International classification	:G05B 19/18
(31) Priority Document No	:12/361,170
(32) Priority Date	:28/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020123
Filing Date	:05/01/2010
(87) International Publication No	:WO 2010/088009
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MILLER DANIEL H.**

**2)MORRISSON WILLIAM LINDSAY**

(57) Abstract :

A method for mapping a motion of a first object within a first motion path defined by a path planner based on a second motion path of a second object. The method includes creating the first motion path for the first object using the path planner, initializing a start position of the first object within the first motion path, determining a value for an initial condition for each segment of a plurality of segments in the first motion path created by the path planner, and calculating an elapsed time between a current sample call time to the path planner and a last sample call time to the path planner. If the calculated elapsed time is one of greater than and less than a sample period, a current location of the second object in the second motion path is determined utilizing the calculated elapsed time, an expired time within a first segment of the plurality of segments between a start time of the first segment and the current sample call time is calculated, and an output command is generated from the path planner. Execution of the generated output command alters the first motion path.

No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5428/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : X-RAY WINDOW

(51) International classification	:H05G 2/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/000481
Filing Date	:26/01/2009
(87) International Publication No	:WO 2010/083854
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)EXCILLUM AB**

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KISTA, SWEDEN

(72)**Name of Inventor :**

**1)HERTZ, HANS**

**2)HEMBERG, OSCAR**

**3)TUOHIMAA, TOMI**

**4)OTENDAL, MIKAEL**

---

(57) Abstract :

A self-cleaning X-ray window arrangement includes a primary X-ray-transparent window element, separating an ambient pressure region from an intermediate region, and a secondary X-ray-transparent window element, separating the intermediate region from a reduced pressure region. A contaminant is expected to deposit on a side of the secondary element facing the reduced pressure region. A heat source is adapted to heat a portion of the secondary window element for thereby evaporating contaminant. The secondary element shields the primary element from the reduced pressure region, in which contaminant is present, whereas the pressure-tight primary window element carries most of the differential pressure between the ambient pressure region and the reduced pressure region. Several features of the invention help to decrease the rate at which contaminant enters the intermediate region. By maintaining the pressure in the intermediate region close to the reduced pressure, the mechanical stress on the secondary window element can be limited as well as the exposure to harmful gases.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.8109/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : SYSTEM AND METHOD FOR LOCATING WIMAX OR LTE SUBSCRIBER STATIONS

(51) International classification	:H04L
(31) Priority Document No	:61/055,658
(32) Priority Date	:23/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/043648
Filing Date	:12/05/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)COMMSCOPE, INC. OF NORTH CAROLINA

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HICKORY, NC 28603 U.S.A.

(72)Name of Inventor :

1)ISLAM, TARIQUL

2)CARLSON, JOHN

(57) Abstract :

A system and method for estimating a location of a subscriber station receiving a first signal from a first base station and receiving a second signal from a second base station where the first and second base stations are nodes in a WiMAX or LTE network. A message may be received from the subscriber station containing first and second information, and a range ring determined from the first base station using the first information. A location hyperbola may be determined using the second information wherein the location hyperbola has the first and second base stations as foci. A location of the subscriber station may be estimated using the range ring and the location hyperbola.

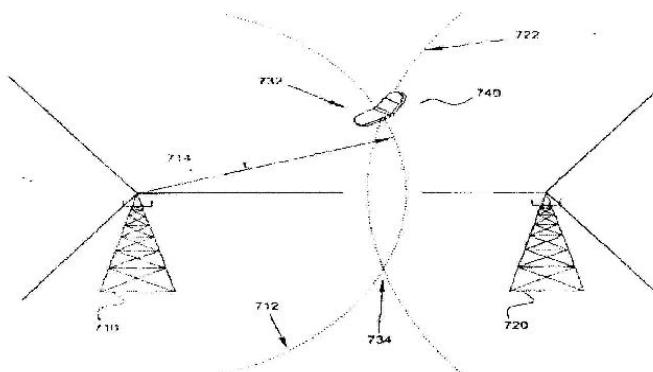


FIG. 7

No. of Pages : 60 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2010

(21) Application No.8265/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FUNCTIONAL LAMINATE

(51) International classification	:B29C
(31) Priority Document No	:EP 08155721.7
(32) Priority Date	:06/05/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/055381
Filing Date	:05/05/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)HID GLOBAL GMBH**

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WALLUF GERMANY

(72)Name of Inventor :

**1)MICHALK MANFRED**

**2)HOFMANN FRANZISKA**

**3)GRIESBACH ANDREAS**

(57) Abstract :

The invention refers to a functional laminate (1) comprising at least two co-laminated layers (2, 2, 3, 3), wherein at least one of the layers (2, 2, 3, 3) is a patchwork layer consisting of zones (2.1 to 2.n, 2.1 to 2.n, 3.1 to 3.n, 3.1 to 3.n) of multiple types distinct from each other, wherein at least one zone (2.1 to 2.n, 2.1 to 2.n, 3.1 to 3.n, 3.1 to 3.n) of a first type comprises a first material and one zone (2.1 to 2.n, 2.1 to 2.n, 3.1 to 3.n, 3.1 to 3.n) of a second type comprise a second material, distinct from the first material, and wherein the proximate layer or layers (2, 2, 3, 3) adjacent to the patchwork layer (2, 2, 3, 3) comprises or comprise at least one zone (2.1 to 2.n, 2.1 to 2.n, 3.1 to 3.n, 3.1 to 3.n) comprising the first or the second material. Furthermore the invention refers to a Method for manufacturing such a functional laminate (1), the method comprising the following steps: providing at least one patchwork layer (2, 2, 3, 3); stacking the patchwork layer (2, 2, 3, 3) with at least one other layer (2, 2, 3, 3) in order to obtain a stack of layers (2, 2, 3, 3), wherein at least one proximate layer (2, 2, 3, 3) directly adjacent to the patchwork layer comprises at least one zone (2.1 to 2.n, 2.1 to 2.n, 3.1 to 3.n, 3.1 to 3.n) comprising a first material or a second material; laminating the stack of layers (2, 2, 3, 3) together by heat and/or pressure and/or gluing.

No. of Pages : 21 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2011

(21) Application No.5462/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : AGONISTS AND ANTAGONISTS OF THE S1P5 RECEPTOR, AND METHODS OF USES THEREOF

(51) International classification	:A01N 43/00
(31) Priority Document No	:61/207,301
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US20101/023768
Filing Date	:10/02/2010
(87) International Publication No	:WO 2010/093704
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)HARRIS CHRISTOPHER M.**

**2)HOBSON ADRIAN D**

**3)WILSON NOEL S.**

---

(57) Abstract :

Disclosed are compounds that are agonists or antagonists of the S1P5 receptor, compositions comprising said compounds, and methods of using said compounds and compositions. In certain embodiments, said compounds are l-benzylazetidine-3-carboxylic acid derivatives. In certain embodiments, said methods relate to the treatment of neuropathic pain and/or a neurodegenerative disorder. In certain embodiments, said compounds may be used in combination with a second therapeutic agent.

No. of Pages : 188 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.5845/DELNP/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : FAST DISSOLVING WATER-SOLUBLE FERTILIZER FORMULATIONS AND METHODS AND USES THEREOF

(51) International classification	:C05D 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/361,188	<b>1)EVERRIS INTERNATIONAL B.V.</b>
(32) Priority Date	:28/01/2009	Address of Applicant :NIJVERTHEIDSWEG 1-5, 6422PD, HEERLEN, THE NETHERLANDS
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/022219	<b>1)VRIESEMA HEIN HERMAN</b>
Filing Date	:27/01/2010	<b>2)TERLINGEN JOHANNES GIJSBERTUS ANTONIUS</b>
(87) International Publication No	:WO 2010/088264	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Improved, solid water-soluble fertilizer (WSF) compositions are presented which comprise at least one acid (optionally nutritive) and at least one basic fertilizer component. In one or more embodiments of the present invention, the WSF compositions demonstrate improved solubility of one or more nutrients or additives in solution, do not require additional dissolution aids or anti-caking agents, demonstrate fast dissolution times, produce precipitate free solutions, are readily compounded without intermediate wetting or drying steps, do not generate gas, and demonstrate improved stability under typical usage conditions. Finally, the WSF compositions may be used in improved processes for the creation of stock solutions, optionally with cold water, and/or delivery of nutrients to plants.

No. of Pages : 33 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.5847/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL HERBICIDES

(51) International classification	:C07D 309/32
(31) Priority Document No	:0901835.9
(32) Priority Date	:04/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/050761
Filing Date	:25/01/2010
(87) International Publication No	:WO 2010/089211
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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**2)FINNEY JOHN**

**3)SCUTT JAMES NICHOLAS**

**4)ROBINSON LOUISA**

**5)DELANEY JOHN STEPHEN**

---

(57) Abstract :

Compounds of Formula (I), wherein the substituents are as defined in claim 1, are suitable for use as herbicides.

No. of Pages : 75 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2010

(21) Application No.8445/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS FOR PREDICTING PATIENT RESPONSE TO MODULATION OF THE CO-STIMULATORY PATHWAY

(51) International classification	:A61K
(31) Priority Document No	:61/057,018
(32) Priority Date	:29/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/045444
Filing Date	:28/05/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)DAVID M. BERMAN**

**2)SCOTT D. CHASALOW**

---

(57) Abstract :

The invention described herein relates to diagnostic and therapeutic methods and compositions useful for predicting the likelihood a patient will have favorable response to the administration of a pharmaceutically acceptable amount of an activator of the immune system (e.g, T-cells).

No. of Pages : 63 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.8603/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FUNCTIONALIZED HIGH VINYL TERMINATED PROPYLENE BASED OLIGOMERS

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(51) International classification	:C08F
(31) Priority Document No	:12/143,663
(32) Priority Date	:20/06/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US09/047882
Filing Date	:19/06/2009
(87) International Publication No	:WO 2009/155472
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)EXXONMOBIL CHEMICAL PATENTS INC.**

Address of Applicant :5200 BAYWAY DRIVE, BAYTOWN, TEXAS 77520-2101, UNITED STATES OF AMERICA.

(72)Name of Inventor :

**1)PATRICK BRANT**

**2)DONNA J. CROWTHER**

(57) Abstract :

This invention relates to a functionalized co-oligomer having an Mn of 300 to 30,000 g/mol comprising 10 to 90 mol% propylene and 10 to 90 mol% of ethylene, wherein the oligomer has at least X% allyl chain ends, where: 1) X = (-0.94 (mol% ethylene incorporated) + 100), when 10 to 60 mol% ethylene is present in the co-oligomer, and 2) X = 45, when greater than 60 and less than 70 mol% ethylene is present in the co-oligomer, and 3)X = (1.83 (mol% ethylene incorporated) -83), when 70 to 90 mol% ethylene is present in the co-oligomer. This invention also relates to a functionalized homo-oligomer, comprising propylene, wherein the oligomer has: at least 93% allyl chain ends, an Mn of about 500 to about 20,000 g/mol, an isobutyl chain end to allylic vinyl group ratio of 0.8:1 to 1.2:1.0, and less than 100 ppm aluminum. This invention also relates to a process of making functionalized homo-or co-oligomer, comprising propylene, wherein the productivity is greater than 4500 g/mmol Hf (or Zr)/hour.

No. of Pages : 63 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/10/2010

(21) Application No.883/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AREA SPECIFIC COOLING TECHNIQUE

(51) International classification	:F24F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MANOJ KUMAR**

Address of Applicant :A-47, KUNWAR SINGH NAGAR,  
NANGLOI, NILOTHI MORE, NEW DELHI-41 India

(72)Name of Inventor :

**1)MANOJ KUMAR**

(57) Abstract :

AREA SPECIFIC COOLING TECHNIQUES

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2011

(21) Application No.5174/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : REMOVAL OF NITROGEN FROM A CHLOROPHYLL OR PHEOPHYTIN CONTAINING BIOMASS

(51) International classification	:C12P 7/64	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/120,578	<b>1) SAPPHIRE ENERGY, INC.</b>
(32) Priority Date	:08/12/2008	Address of Applicant :ATTN: LEGAL DEPARTMENT, 3115
(33) Name of priority country	:U.S.A.	MERRYFIELD ROW, SAN DIEGO, CA 92121 U.S.A.
(86) International Application No	:PCT/US2009/067222	(72) <b>Name of Inventor :</b>
Filing Date	:08/12/2009	<b>1) CRANFORD RICHARD</b>
(87) International Publication No	:WO 2010/077694	<b>2) POON YAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3) BEHNKE CRAIG</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to refining a product from a biomass containing chlorophyll and/or pheophytins. In particular, a method of refining a product (such as a biofuel) from a photosynthetic organism is disclosed. The photosynthetic organism can be a naturally occurring organism or a genetically modified or altered organism. The method of refining comprises removing nitrogen to obtain the desired product. In some aspects, nitrogen is removed from a chlorophyll and/or pheophytin containing product by enzymatic degradation of chlorophyll and/or pheophytins and subsequent removal of the nitrogen

No. of Pages : 108 No. of Claims : 227

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5311/DELNP/2011 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : TROLLEY OF ANNULAR COOLER

(51) International classification	:F27B 21/08
(31) Priority Document No	:200910007625.X
(32) Priority Date	:12/02/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/070606
Filing Date	:10/02/2010
(87) International Publication No	:WO 2010/091636
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ZHONGYE CHANGTIAN INTERNATIONAL  
ENGINEERING CO., LTD.

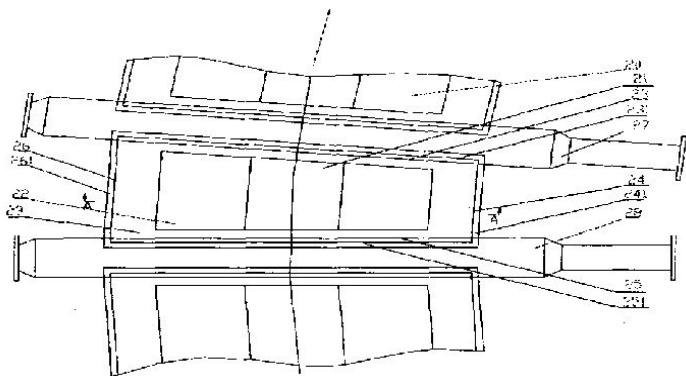
Address of Applicant :NO. 1, LAODONG MID ROAD  
CHANGSHA, HUNAN 410007, CHINA

(72)Name of Inventor :

1)GAO, DELIANG  
2)DAI, CHUANDE  
3)LIU, XIANGPEI

(57) Abstract :

A trolley (21) of an annular cooler is disclosed. The trolley (21) of the annular cooler has a double layer structure, and the upper layer is a comb plate for ventilation and the lower layer is a lower plate (22) of the trolley. Four edges of the lower plate (22) of the trolley extend to a static sealing range involved by a rear support plate (23) of a front-positioned support beam (27), an inner sealing plate (24) of the trolley, a front support plate (25) of a rear-positioned support beam (28) and an outer sealing plate (26) of the trolley in turn. The annular length of the lower plate (22) of the trolley is greater than the distance between the rear support plate (23) of the front-positioned support beam (27) and the front support plate (25) of the rear-positioned support beam (28), and the radial length thereof is greater than the distance between the inner sealing plate (24) of the trolley and the outer sealing plate (26) of the trolley.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2010

(21) Application No.8614/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : "PROCESS FOR PRODUCING A SELF-HEALING LAYER ON A PART MADE OF A C/C COMPOSITE"

(51) International classification

:c22c

(31) Priority Document No

:0853756

(32) Priority Date

:06/06/2008

(33) Name of priority country

:France

(86) International Application No

:PCT/FR2009/051065

Filing Date

:05/06/2009

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

1)SNECMA PROPULSION SOLIDE

Address of Applicant :Les Cinq Chemins 33187 Le Haillan Cedex FRANCE.

(72)Name of Inventor :

1)DISS Pascal

2)LAVASSERIE Eric

---

(57) Abstract :

In order to produce a self-healing layer on a part made of a composite, a composition is applied to the part, which composition contains: - a colloidal silica suspension, - boron or a boron compound in powder form, - silicon carbide in powder form, and - at least one ultra-refractory oxide.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2010

(21) Application No.8472/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : GUIXI INPUT METHOD AND SYSTEM FOR SPLITTING WORD LETTERS

(51) International classification	:G06F
(31) Priority Document No	:200810067624.X
(32) Priority Date	:03/06/2008
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/000859
Filing Date	:31/07/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KUK, CHO SHUN

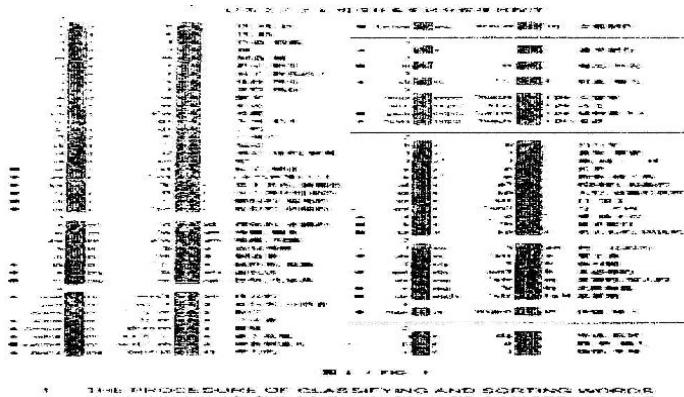
Address of Applicant :FLAT E, 11/F, BLOK 4, SITE 9,  
WHAM POA GARDEN, HUNG HOM, KOW LOON, H.K,  
CHINA

(72)Name of Inventor :

1)KUK, CHO SHUN

(57) Abstract :

A Guixi input method and system for splitting word letters, comprises classifying and sorting of words. The classifying step classifies words according to maternal lines, which comprises: splitting each word into groups, each group consists of vowels and following consonants, and only one group among the plural groups is the maternal line which consists of vowels and consonants, wherein, the consonants are called Zili, the vowels are called Muyuan, the words with the same maternal line are classified to the same class and sorted. The sorting step comprises that the words are sorted according to the alphabetical order of the Zili as follows: first, a consonant with the monophthong before the consonant is sorted, second, a consonant with the diphthong before the consonant is sorted, third, two or more consonants with vowel or vowels before the consonant are sorted according to the alphabetical order of the vowels, and so on.



No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.970/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/07/2011

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : BOTTOM DENTIFRICE DISPENSING TOOTHBRUSH

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MITHILESH KUMAR SINGH</b>
(32) Priority Date	:NA	Address of Applicant :C-1009, SHEETAL VIHAR
(33) Name of priority country	:NA	APARTMENTS, PLOT NO. 10, SECTOR-23, DWARKA, NEW
(86) International Application No	:NA	DELHI-110077, INDIA Delhi India
Filing Date	:NA	<b>2)BRIJENDER SINGH</b>
(87) International Publication No	:NA	<b>3)SURINDER SINGH</b>
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MITHILESH KUMAR SINGH</b>
(62) Divisional to Application Number	:NA	<b>2)BRIJENDER SINGH</b>
Filing Date	:NA	<b>3)SURINDER SINGH</b>

(57) Abstract :

A 'Bottom Dentifrice Dispensing Toothbrush', mainly consists of (1) the cap, (2) the main body, having a head tufted with bristle and a hollowed tubular body for storing liquid, gel, or paste compositions, particularly for oral health-hygiene-cosmetic applications including dentifrice, cleaning / polishing agent, mouth-wash / freshener, and antibacterial/antiviral agent, and / or in general any other oral or dental applications including medical, therapeutic, health, hygiene, cleaning , and cosmetics, (3) a manually actuated pump mechanism for dispensing the composition on demand from the bottom end of the body, and (4) the dock to park it when not in use. The toothbrush is operated by depressing the bottom-end fitted with a nozzle which causes dentifrice material to be pumped from the reservoir. By simultaneous action of extending the applicator to dispense a controlled portion of dentifrice material directly from the bottom side of the toothbrush, it can be conveniently and efficiently operated with single hand.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2010

(21) Application No.8350/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SHAVING CARTRIDGES HAVING ELONGATED SKIN CONTACTING MEMBERS

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(51) International classification

:B26B

(31) Priority Document No

:12/468,147

(32) Priority Date

:19/05/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/035171

Filing Date

:18/05/2010

(87) International Publication No

:NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :WORLD SHAVING  
HEADQUARTERS, IP/LEGAL PATENT DEPARTMENT - 3E,  
ONE GILLETTE PARK, BOSTON, MASSACHUSETTS 02127,  
U.S.A.

(72)Name of Inventor :

**1)KWIECIEN, MICHAEL JOSEPH  
2)LEE, ALEJANDRO CARLOS**

(57) Abstract :

A razor cartridge which has a housing with a pocket defined by a front wall and a rear wall. The pocket has a seat surface and at least one of the front and rear walls include one or more flexible segments. One or more blades are mounted within the housing. An elongated skin contacting member is provided that comprises a shaving aid composite that has one or more water-leachable shaving aid materials. The elongated skin contacting member has a body portion with an upper skin contacting surface and a base portion which is disposed at least partially within the pocket. The base portion has a bottom surface spaced apart from the seat surface. The base portion extends laterally outwardly from the body portion and is in mechanical engagement with the one or more flexible segments to secure the skin contacting member to the housing.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2010

(21) Application No.8352/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : AGROCHEMICAL FORMULATION

(51) International classification	:A01N
(31) Priority Document No	:0811079.3
(32) Priority Date	:17/06/2008
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2009/004135
Filing Date	:09/06/2009
(87) International Publication No	:WO 2010/003499
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant :SCHWARZWALDALLEE 215, CH-4058 BASEL SWITZERLANDS

(72)Name of Inventor :

1)TOMIOKA ATSUSHI

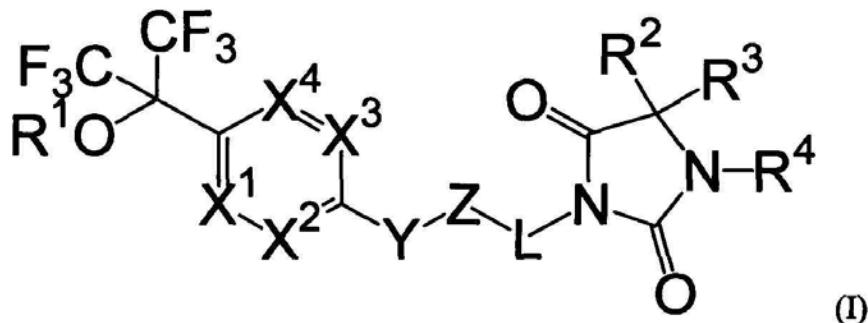
2)SUGIYAMA MINORU

3)SUDA YUKIKO

4)KADOKURA KAORI

(57) Abstract :

The present invention relates to an improved herbicidal formulation. More specifically, the present invention relates to a solid herbicide formulation comprising:- (a) an agrochemical having a pKa from 2 to 7; (b) a water-soluble aluminium salt; (c) a silicate mineral. The present invention further provides a method of controlling undesirable vegetation at a locus - in particular a paddy field - using said formulation.



(I)

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7913/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/11/2010

(43) Publication Date : 04/10/2013

(54) Title of the invention : SOLID-PROPELLANT MOTOR

(51) International classification	:F02K
(31) Priority Document No	:10 2008 033 429.4
(32) Priority Date	:16/07/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/004917
Filing Date	:08/07/2009
(87) International Publication No	:WO 2010/006724
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DIEHL BGT DEFENCE GMBH & CO. KG**

Address of Applicant :ALTE NUSSDORFER STR. 13, 88662 UBERLINGEN, GERMANY

(72)Name of Inventor :

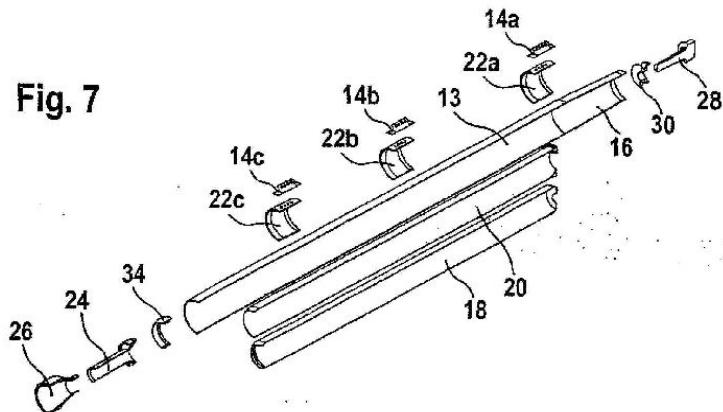
**1)PETER GERD FISCH**

**2)GERD ELSNER**

(57) Abstract :

The invention relates to a solid-propellant motor (10) having an outer casing (13) and a combustion chamber (20) which is arranged within the outer casing (13). In order to simplify the attachment of fittings (14a, 14b, 14c, 5, 6), it is proposed that the combustion chamber (20) be in the form of a separate component, which is separate from the outer casing (13).

**Fig. 7**



No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/11/2010

(21) Application No.8060/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE FOR DOSING A METERED AMOUNT OF A POWDERED PRODUCT AND BEVERAGE MACHINE USING SUCH A DEVICE

(51) International classification	:A47J
(31) Priority Document No	:08157212.5
(32) Priority Date	:29/05/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/056421
Filing Date	:27/05/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NESTEC S.A.**

Address of Applicant : AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)**Name of Inventor :**

**1)BERNHARDSGRUETTER, RAPHAEL**

**2)BEAUSIRE, CEDRIC**

**3)SCORRANO, LUCIO**

---

(57) Abstract :

The invention concerns a dosing device for dosing a metered amount of a powdered product comprising : - a fixed body (2) made of at least a disc presenting a single pierced aperture (5), - a rotary top disk (1) disposed on the top of the fixed body (2) and presenting a taking out pierced aperture (4), - a rotary bottom disk (3) disposed on the bottom of the fixed body and presenting a discharging pierced aperture (6), - a rotary shaft (7) connecting the bottom disk (1) and the top disk (3), wherein in the stand-by position of the device the metered pierced aperture (5) is empty and closed to the atmosphere. The invention also concerns a beverage preparation apparatus implementing such a dosing device.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5413/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR PROCESSING A SIGNAL FROM A FLOW METER FOR MEASURING A GAS FLOW IN AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D 41/18
(31) Priority Document No	:0900948
(32) Priority Date	:03/03/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR10/050341
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/100372
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)RENAULT S.A.S.**

Address of Applicant :13/15, QUAI LE GALLO, F-92100  
BOULOGNE BILLANCOURT, FRANCE

(72)**Name of Inventor :**

**1)ALEXANDRE COLLET**

**2)KEVIN ROBERT**

**3)BENJAMIN GRESIAK**

---

(57) Abstract :

The invention relates to a method for processing a signal from a flow meter for measuring a gas flow in an internal combustion engine, characterised in that the method comprises processing the signal according to a first logic when the engine operates in a first intake mode and processing the signal according to a second logic when the engine operates in a second intake mode. The first intake mode is characterised by the activation of a high-pressure EGR valve. The second intake mode is characterised by the activation of a low-pressure EGR valve.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2011

(21) Application No.5414/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMBINE HARVESTERS

(51) International classification	:A01F 7/06
(31) Priority Document No	:0901310.3
(32) Priority Date	:27/01/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2009/066915
Filing Date	:11/12/2009
(87) International Publication No	:WO 2010/086063
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AGCO A/S**

Address of Applicant :UDBYHOJVEJ 113-115, PO BOX 80,  
DK -8900 RANDERS, DENMARK

(72)Name of Inventor :

**1)BOJSEN MYGIND**

**2)JAKOB SORENSEN**

**3)MIKKEL BALTSER**

**4)BJARNE RASMUSSEN**

**5)HENNING SORENSEN**

(57) Abstract :

A combine harvester (10) comprising a pair of axial separating rotors (20) each extending side-by-side within respective housings (19) in a longitudinal direction and serving to separate grain from straw. A feed beater (18) is provided which rotates on a transverse axis (X) and is located in front of the separating rotors to direct a crop flow rearwardly under the feed beater ectional vanes (34) on the feed beater direct the crop flow away from a central zone of the beater and toward respective crop streams associated with the two rotors. Scraper apparatus (50) comprising stationary vanes (54) are provided above the beater. Crop material which back feeds over the top of the beater is scraped free of the beater and directed outwardly by the stationary vanes so that the scraped material is re-fed under the beater away from the central zone.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/12/2010

(21) Application No.9075/DELNP/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : POWER GENERATION CONTROL APPARATUS AND POWER GENERATION CONTROL SYSTEM

(51) International classification	:H02P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)TOYOTA JIDOSHA KABUSHIKI KAISHA</b>
(32) Priority Date	:NA	Address of Applicant :1, TOYOTA-CHO, TOYOTA-SHI, AICHI, 471-8571 JAPAN
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/057496	<b>1)HIROKAZU KATO</b>
Filing Date	:27/04/2010	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A power generation control apparatus can switch, by controlling a power generation apparatus (16) capable of generating power by power of a power source (7) which makes a vehicle (2) travel, between a first power generation control of mainly performing power generation at the time of deceleration of the vehicle (2) while suppressing power generation at the time of acceleration of the vehicle (2) in the case where normal travel of acceleration/deceleration travel is performed in a state where the power source (7) operates and a second power generation control of mainly performing power generation at the time of acceleration of the vehicle (2) while suppressing power generation at the time of deceleration of the vehicle (2) in the case where acceleration/deceleration travel including coasting in which the vehicle travels in a state where the operation of the power source (7) stops is performed. Consequently, power generation can be performed properly.

No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2010

(21) Application No.8497/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BREAST PUMP DEVICE WITH SELF-CONTAINED BREAST MILK RESERVOIR

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(51) International classification	:A61M
(31) Priority Document No	:12/113,563
(32) Priority Date	:01/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/063362
Filing Date	:12/05/2008
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)GARBEZ, DAN**

Address of Applicant :2526 CAPITOL AVENUE  
SACRAMENTO 95816 U.S.A.

**2)DAO, STELLA**

(72)Name of Inventor :

**1)GARBEZ, DAN**

**2)DAO, STELLA**

(57) Abstract :

The present invention is a compact and hands-free human breast milk collection device that fits into a mothers existing nursing or standard brassiere. The invention can be attached to a conventional electric or manual pump for active milk collection and also can be used without a pump for passive milk collection. Additionally, the invention can be used for collection of handexpressed milk. The invention comprises a breast adaptor which, in an embodiment, has at one end a funnel-shaped inlet coupled to a reservoir, wherein when the breast is inserted into the breast adaptor, the breast milk is expressed into the reservoir through a unique valve assembly and the milk is stored in the reservoir until the device is removed and the collected milk emptied into a container. In an embodiment, the valve assembly is mounted concentrically on a second end of the breast adaptor.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2011

(21) Application No.5328/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTIPLE-USE DISPENSER FOR ARTICLES CONTAINED IN BLISTER-TYPE PACKAGES

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(51) International classification	:B65D 83/04
(31) Priority Document No	:09152274.8
(32) Priority Date	:06/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EO2010/051424
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/089373
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)NOVARTIS AG

Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL SWITZERLANDS

(72)Name of Inventor :

1)KARCKE ANDREAS WILKEN

2)EL GHOUYEL KARIM

(57) Abstract :

A multiple-use dispenser (1) for articles contained in blister-type packages (100), in particular for pharmaceutical products such as pills, tablets, capsules and like articles, comprises a housing (2) with at least one opening for dispensing an article from a blister-type package contained therein. The housing (2) comprises a front and a rear sheet (3, 4) which are interconnected with each other along their longitudinal edges and have a closed end (5) and an open end (6) on opposite longitudinal ends thereof. The front and rear sheets (3, 4) each are provided with at least one opening (30,40), which are in permanent registry with one another. A shutter sheet (9) is provided within the housing (2) and adapted to be moved longitudinally from a first end position, in which the openings (30,40) are closed by the shutter (9) to a second end position, in which an aperture (90) of the shutter sheet (9) is in registry with the openings (30, 40) in the front and rear sheets (3, 4). Between the shutter sheet (9) and the front sheet (3) of the housing (2) there is provided a compartment (11) for a blister-type package (100).

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/07/2011

(21) Application No.5849/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NUCLEIC ACID MOLECULE OF A BIOSYNTHETIC CLUSTER ENCODING NON RIBOSOMAL PEPTIDE SYNTHASES AND USES THEREOF

(51) International classification	:C07K 14/195
(31) Priority Document No	:61/152,517
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/051696
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/092109
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)NOVARTIS AG**

Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL SWITZERLANDS

**(72)Name of Inventor :**

**1)KRASTEL PHILIPP**

**2)LIECHTY BRIGITTA-MARIA**

**3)MOORE CHARLES**

**4)SCHMITT ESTHER**

---

**(57) Abstract :**

The present invention relates to the provision of a polynucleotide comprising one or more functional fragments of a biosynthetic gene cluster involved in the production of a compound of formula (I) or (I'). The present invention also provides a method of preparing a compound of formula (I) or (I') or of formula (II) to (VII), (XI) to (XIV) and (XVII) and (XVIII). Moreover, the use of such compound as a pharmaceutical composition is also provided in the present invention.

No. of Pages : 108 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2010

(21) Application No.8508/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOSITIONS AND METHODS RELATING TO HEAT SHOCK TRANSCRIPTION FACTOR ACTIVATING COMPOUNDS AND TARGETS THEREOF

(51) International classification	:A61K
(31) Priority Document No	:61/053,513
(32) Priority Date	:15/05/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/044186
Filing Date	:15/05/2009
(87) International Publication No	:WO 2009/140621
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)DUKE UNIVERSITY**

Address of Applicant :2812 ERWIN ROAD, SUITE 306  
DURHAM, NC 27705 U.S.A.

(72)**Name of Inventor :**

**1)THIELE, DENNIS, J.**

**2)NEEF, DANIEL, W.**

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(57) Abstract :

The present invention relates to HSF activating compounds, methods for their discovery, and their research and therapeutic uses. In particular, the present invention provides compounds capable of facilitating HSF1 activation, and methods of using such compounds as therapeutic agents to treat a number of conditions associated with protein misfolding.

No. of Pages : 97 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.913/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AMPHOTERICIN B-LOADED PHARMACEUTICAL COMPOSITION

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(51) International classification	:A61K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)NATIONAL INSTITUTE OF PHARMACEUTICAL  
EDUCATION AND RESEARCH (NIPER)**

Address of Applicant :Sector-67 S.A.S Nagar (Mohali)  
Punjab-1600062 India

(72)**Name of Inventor :**

**1)Neeraj Kumar**

**2)Jay Prakash Jain**

(57) Abstract :

The present invention discloses a nanopolymerosome based therapeutic composition comprising a branched copolymer of (PEG1100)3-PLA (PGCL19) and Amphotericin B. The ratio between active ingredient Amphotericin B and the copolymer is approximately 1:4. The size of the nanopolymerosomes is in the range of 150-400 nm. The loading capacity and encapsulation efficiency of Amphotericin B in this Amphotericin B leaded polymerosome (PAMBO) based composition is 15-20% w/w and 80-90% w/w, respectively. Method of preparing the said composition is also disclosed along with the factors affecting the size of nanopolymerosomes or dispersity of the composition. The composition can be used for better availability and sustained release of Amphotericin B and has reduced toxicity.

No. of Pages : 32 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.9342/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR TREATING HYDROCARBON-BEARING FORMATIONS WITH FLUORINATED EPOXIDES

(51) International classification

:C09K

(31) Priority Document No

:61/058,136

(32) Priority Date

:02/06/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/044662

Filing Date

:20/05/2009

(87) International Publication No

:WO 2009/148829

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM**

Address of Applicant :201 WEST 7TH STREET, AUSTIN, TX 78701, U.S.A.

**2)3M INNOVATIVE PROPERTIES COMPANY**

(72)Name of Inventor :

**1)SHARMA, MUKUL, M.**

**2)POPE, GARY, A.**

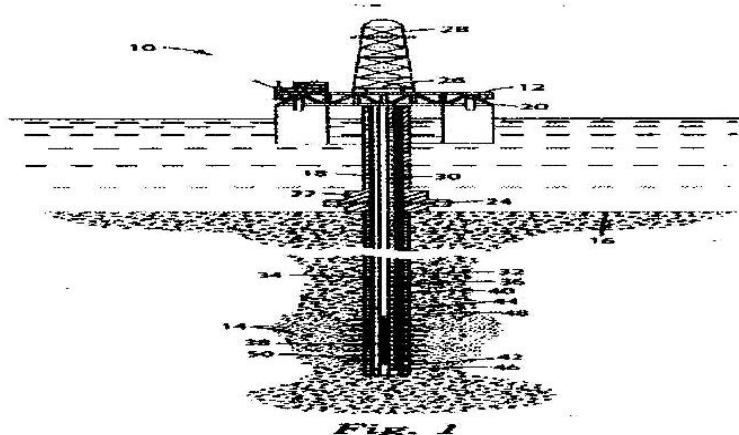
**3)MARTIN, STEVE**

**4)DAMS, RUDOLF, J.**

**5)QIU, ZAI-MING**

(57) Abstract :

A method of treating a hydrocarbon-bearing formation with a fluorinated epoxide and a treated hydrocarbon-bearing formation. A method of making proppants is also disclosed, which includes combining a plurality of particles with a fluorinated epoxide. The particles comprise at least one of sand, resin-coated sand, ceramic, thermoplastic, clay, bauxite, nut or seed shells, fruit pits, or wood. A particle treated with a ring-opened product of a fluorinated epoxide is also disclosed, wherein the particle comprises one of sand, resin-coated sand, ceramic, thermoplastic, clay, bauxite, nut or seed shells, fruit pits, or wood.



No. of Pages : 62 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2010

(21) Application No.9346/DELNP/2010 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : FLUID PIPE CONNECTION DEVICE AND PIPE DISASSEMBLY TOOL MATCHED THEREWITH

(51) International classification	:F16L
(31) Priority Document No	:200810133606.7
(32) Priority Date	:11/07/2008
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/000775
Filing Date	:08/07/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)LAI, LIN WAI**

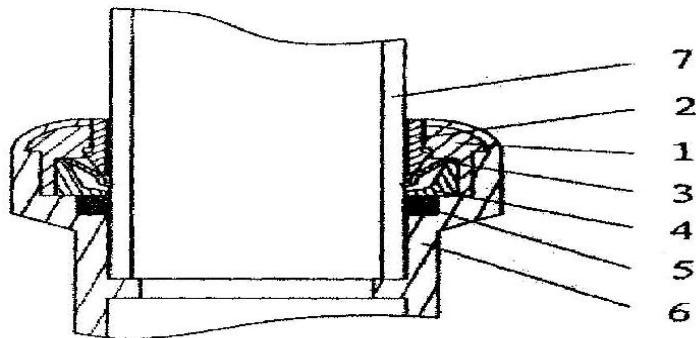
Address of Applicant :ROOM 3301, WING MAU HOUSE,  
SUI WO COURT 6 SUIWO ROAD, SHATIN, HONGKONG  
(CN) China

(72)Name of Inventor :

**1)LAI, LIN WAI**

(57) Abstract :

Fluid pipe connection device, including an inner tooth snap ring (3) and a push tooth ring (2) both of them are installed in a pipe joint (6) and a plug (1), said plug (1) is installed tight in the pipe joint (6);during the pipe is connecting, the inner tooth snap ring (3) clamps pipe wall (7) after a pipe passes through said plug (1), push tooth ring (2), inner tooth snap ring (3), the pushing tooth ring (2) pushes away the inner teeth of the inner tooth snap ring (3) along the pipe insertion direction so that the inner tooth snap ring (3) releases the wall (7) before taking out the pipe; the push tooth ring (2) contacts the plug (1) in slide; when the pipe is connected, the top of the push tooth ring (2) is flush with the plug (1) or the push tooth ring (2) is in plug (1), thus, when the inner teeth are pushed away, the top of the push tooth ring (2) is in plug (1). The invention includes also a mating disassemble tool, a liftout block (13) installed on a active handle of the tool extends into between plug (1) and wail (7) to push the push tooth ring (2).



**FIG 2 / FIG. 2**

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/11/2010

(21) Application No.8086/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MANUFACTURE OF BAGS FOR CONTAINING BIOLOGICAL SPECIMENS

---

(51) International classification	:B29L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/IB2008/051938	<b>1) BIOSAFE S.A.</b>
(32) Priority Date	:16/05/2008	Address of Applicant :ROUTE DU PETIT-EYSINS, CH-1262
(33) Name of priority country	:PCT	EYSINS, SWITZERLAND
(86) International Application No	:PCT/IB2009/052032	(72) <b>Name of Inventor :</b>
Filing Date	:15/05/2009	<b>1) BERTRAND MARCEL ALEXANDRE FOUCAUT</b>
(87) International Publication No	:WO 2009/138966	<b>2) CLAUDE FELL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

A method of manufacturing a bag (20) for the cryopreservation of thermolabile liquids. The manufacturing method is characterized by being versatile, simple and inexpensive and allows to manufacture single and multi-compartment bags without modifying the main sealing molds (31,32). The relative size and the number of the compartments (28) can be modified without change in the molds. Only a closure sealing tool (50) must be adjusted as a function of the number of chosen compartments (28). The process is compatible with standard high frequency sealing processes. This method provides bags (20) with uniformly thick walls and with a predetermined bag volume.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/12/2010

(21) Application No.9356/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PROCESS FOR PRODUCING A PHOSPHONIUM BORATE COMPOUND

(51) International classification	:C07F
(31) Priority Document No	:2003-399650
(32) Priority Date	:28/11/2003
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP04/017628
Filing Date	:26/11/2004
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3663/DELNP/2006
Filed on	:26/06/2006

(71)Name of Applicant :

1)HOKKO CHEMICAL INDUSTRY CO., LTD.

Address of Applicant :4-20 NIHONBASHI-HONGOKU-CHO  
4-CHOME, CHUO-KU, TOKYO 1038341, JAPAN

(72)Name of Inventor :

1)SHIN MASAOKA

2)HIDEYUKI IWAZAKI

(57) Abstract :

A process for producing a phosphonium borate compound, which comprises the following steps 1 and 2: (step 1) reacting a phosphine with HC1 or H2SO4 to produce a phosphine hydrochloride or phosphine sulfate, the phosphine being represented by Formula (II): (R1)(R2)(R3)P (II) wherein R1 is a primary alkyl group of 1 to 20 carbon atoms, a secondary alkyl group of 3 to 20 carbon atoms, a tertiary alkyl group of 4 to 20 carbon atoms, or a cycloalkyl group of 3 to 20 carbon atoms; R is a hydrogen atom, a primary alkyl group of 1 to 20 carbon atoms, a secondary alkyl group of 3 to 20 carbon atoms, a tertiary alkyl group of 4 to 20 carbon atoms, a cycloalkyl group of 3 to 20 carbon atoms, an aralkyl group of 7 to 20 carbon atoms, or an allyl group of 3 to 20 carbon atoms; R is a hydrogen atom, a primary alkyl group of 1 to 20 carbon atoms, a secondary alkyl group of 3 to 20 carbon atoms, a tertiary alkyl group of 4 to 20 carbon atoms, a cycloalkyl group of 3 to 20 carbon atoms, an aryl group of 6 to 30 carbon atoms, an aralkyl group of 7 to 20 carbon atoms, an alkenyl group of 2 to 20 carbon atoms, an alkynyl group of 2 to 20 carbon atoms, or an allyl group of 3 to 20 carbon atoms; and R1,R2andR3 may be the same or different from one another; the phosphine hydrochloride being represented by Formula (III): (R1)(R2)(R3)PHCl (III) wherein R1, R2 and R3 are as defined in Formula (II); and the phosphine sulfate being represented by Formula (V): [(R1)(R2)(R3)PH](2-n)HnSO4 (V) wherein R1, R2 and R3 are as defined in Formula (II), and n is an integer of 0 or 1; and (step 2) reacting the phosphine hydrochloride or phosphine sulfate with a tetraarylborate compound represented by Formula (IV): MBAr4 (IV) wherein M is lithium, sodium, potassium, magnesium halide or calcium halide, and Ar is an aryl group of 6 to 20 carbon atoms; the phosphonium borate compound being represented by Formula (I): (R1)(R2)(R3)PHBAr4 (I) wherein R1, R2 and R3 are as defined in Formula (II), and Ar is as defined in Formula (IV); wherein step 1 is conducted in the absence of the tetraarylborate compound and wherein the solution of the phosphine hydrochloride or phosphine sulfate obtained in step 1 and provide for step 2 is not subjected to concentration.

No. of Pages : 267 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/07/2011

(21) Application No.5488/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : REDUCED-PRESSURE WOUND TREATMENT SYSTEMS AND METHODS EMPLOYING MICROSTRAIN-INDUCING MANIFOLDS

(51) International classification	:A61D
(31) Priority Document No	:61/140,662
(32) Priority Date	:24/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/068544
Filing Date	:17/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)KCI LICENSING INC.**

Address of Applicant :Legal Department - Intellectual Property P.O. Box 659508 San Antonio TX 78265-9508 United States of America.

(72)**Name of Inventor :**

**1)Timothy Mark ROBINSON**

**2)Christopher Brian LOCKE**

**3)Aidan Marcus TOUT**

---

(57) Abstract :

Microstrain-inducing manifolds, systems, and methods are presented that involve microstrain-inducing manifolds that include a plurality of shaped projections for creating microstrain. The shaped projections may be tapered projections. A system may include a sealing member for placing over the tissue site, a microstrain-inducing manifold, and a reduced- pressure subsystem that delivers reduced pressure to the sealing member. The reduced pressure causes the shaped projections to create microstrain at the tissue site. Other methods, apparatuses, and systems are also presented.

No. of Pages : 40 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/07/2011

(21) Application No.5489/DELNP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ADAPTIVE IMPLICIT LEARNING FOR RECOMMENDER SYSTEMS

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(51) International classification	:B32D
(31) Priority Document No	:08172849.5
(32) Priority Date	:23/12/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/067157
Filing Date	:15/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)AXEL SPRINGER DIGITAL TV GUIDE GMBH**

Address of Applicant :Schiffbauerdamm 22 10117 Berlin  
GERMANY

(72)Name of Inventor :

**1)PRONK Serverius Petrus Paulus**

**2)BARBIERI Mauro**

(57) Abstract :

The present invention relates to an apparatus, method, and computer program product for controlling a recommender system, wherein user actions on content items are associated to explicit ratings on these content items and translated into a UI features profile, which is subsequently used by a recommender. This recommender rates new items based on user actions on this item and thus creates an implicitly learned rating history. This learning makes the implicit rating or scoring personalized. It can be combined in several ways with an explicitly learned rating history to improve overall performance and/or to mitigate the burden for the user, by having him/her rate less items explicitly.

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2010

(21) Application No.7943/DELNP/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SURGICAL TOOL, PARTICULARLY FOR USE IN LAPAROSCOPY

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(51) International classification	:A61B
(31) Priority Document No	:RM2008A000195
(32) Priority Date	:11/04/2008
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2009/051528
Filing Date	:10/04/2009
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)UNIVERSITA' DEGLI STUDI DI ROMA TOR  
VERGATA**

Address of Applicant :VIA ORAZIO RAIMONDO, 18, I-  
00173 ROMA, ITALY

(72)**Name of Inventor :**

**1)GASPARI, ACHILLE LUCIO  
2)DI LORENZO, NICOLA  
3)IEZZI, LUCA**

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(57) Abstract :

A surgical instrument (3), in particular for use in laparoscopy, comprises means for inducing the surface adsorption of ions in correspondence of said sheath (10) allowing to reducing burns due to electrical dispersions.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2010

(21) Application No.854/DEL/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRONIC PREFERENTIAL VOTING MACHINE (EPVM)

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(51) International classification	:G07C	(71) <b>Name of Applicant :</b> <b>1)REGISTRAR (BARI S.S.)</b> Address of Applicant :REGISTRAR, PANJAB UNIVERSITY, SECTOR 14, CHANDIGARH-160014 (INDIA)
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SHARMA MANOJ KUMAR</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The invention related to an Electronic Preferential Voting Machine. The Control unit functions to control Voting Unit, record and store the voting data into memory, count and display the votes polled and transfer the voting data for counting. The Control unit has multiple connector points (1, 2) used to connect the voting unit(s) for voting and a processor for data transfer. The Control unit has ON/OFF switch (4) to ON/OFF the Voting Machine. Display Screen (3) is also available at Control Unit to display the number of votes polled. Voting unit has list of names (21), list of symbols (22), display (23) and buttons (24). Voting unit is connected to Control Unit and data related to preferential vote casted at voting unit is transferred to Control Unit. The counting is done using a Programmed processor based on Single Transferable Vote method in multiple rounds, till requisite numbers of candidates are declared elected.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1024/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PRESS HAVING A DIRECTLY DRIVEN CRANK MECHANISM, PRESS LINE COMPRISING PRESSES OF THIS TYPE, AND A METHOD FOR PRODUCING A PRESS HAVING AT LEAST ONE DIRECT DRIVE

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(51) International classification	:B30B 1/26
(31) Priority Document No	:10 2009 051 939.4 DE
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/006648
Filing Date	:30/10/2010
(87) International Publication No	:WO/2011/054486
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)GRAFF Matthias**

(57) Abstract :

The invention relates to a press having a directly driven crank mechanism, a press line and to a method for producing a press having at least one direct drive. Here, a press (21) has at least one press frame (9), a table (8) which is mounted in the latter, and a ram (5) which is driven by means of at least one crank mechanism (12) and has a die upper part (6) and a die lower part (7) on the press table (8), wherein at least one crankshaft (1) having at least one crank pin (2) and at least one connecting rod (3) is arranged as crank mechanism (12), and wherein at least one direct drive which drives the crankshaft (1) directly and comprises at least one rotor (10) and one stator (4) is arranged as motor (14) for the drive of the crankshaft (1). The invention consists in that at least the stator (4) of the motor (14) comprises at least two power carriers (24), the power carriers (24) are configured as independent and exchangeable structural units, the power carriers (24) are arranged radially with respect to the crankshaft (1), and the power carriers (24) are operatively connected (1394) individually or in sections to a control unit (25) by means of supply lines (26).

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1083/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SAMPLE PRECONCENTRATOR

(51) International classification	:G01N 1/40, B82B 3/00	(71) <b>Name of Applicant :</b> <b>1)BIONEER CORPORATION</b> Address of Applicant :49-3 Munpyeong-dong Daedeok-gu Daejeon 306-220 Republic of Korea
(31) Priority Document No	:10-2009-0103002	
(32) Priority Date	:28/10/2009	
(33) Name of priority country	:Republic of Korea	
(86) International Application No	:PCT/KR2010/001967	
Filing Date	:31/03/2010	
(87) International Publication No	:WO/2011/052862	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a sample preconcentrator. The sample preconcentrator in which a sample gas injection port is coupled to a dried gas supply source and a gas analysis system to concentrate a sample gas comprises a sample concentrating unit containing an absorbent that is composed of carbon nanotube-metal nanocomplexes; a conduit switching valve for selectively coupling the sample gas injection port to the dried gas supply source and the gas analysis system and controlling the absorption and desorption of the sample gas from the sample concentrating unit; and a plurality of conduits for connecting the sample gas injection port the dried gas supply source the gas analysis system the sample concentrating unit and the conduit switching valve.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1084/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM, METHOD AND COMPUTER PROGRAM FOR CREATING AND MANIPULATING DATA STRUCTURES USING AN INTERACTIVE GRAPHICAL INTERFACE

(51) International classification	:G06F 17/00
(31) Priority Document No	:12/615,703 (US)
(32) Priority Date	:10/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001772
Filing Date	:10/11/2010
(87) International Publication No	:WO/2011/057396
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Primal Fusion Inc. et al.**

Address of Applicant :7-258 King Street North Waterloo Ontario N2J 2Y9 Canada

(72)**Name of Inventor :**

**1)SWEENEY Peter Joseph**

**2)Mark William CONNOLLY**

**3)Robert George BARLOW-BUSCH**

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(57) Abstract :

The present invention relates to a system, method and computer program for creating, visualizing and manipulating a data structure using an intuitive and interactive graphical interface. It is operable to display a data structure and enable users to interact with the data structure by means of a user interface. The data structure includes data entities and relationships between the data entities. One or more user context properties are associative with the data entities. The user interface is populated with data entities from the data structure by enabling the users to associate visual properties of the user interface with the user context associative properties of the data structure. This enables the users to interact with the data structure by means of the user interface.

No. of Pages : 46 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1033/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A NEUTRAL GEAR POSITION SENSING SYSTEM AND A METHOD OF ASSEMBLING THEREOF

(51) International classification	:F16D23/06	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)ASHESH A. SHAH</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SUNDAR KUMAR PALANI</b>
Filing Date	:NA	<b>3)UMESH L. ABHYANKAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a neutral gear position sensing system for an automotive transmission vehicle comprising, a magnetic field generator mounted on a selector shifter shaft of the vehicle for generating magnetic field, and a top cover mounted to gear box housing at a predetermined distance from the magnetic field generator, wherein the top cover comprises a spigot hole to retain a detecting means, wherein the detecting means validates the position of gear lever based on the movement of the magnetic field generator.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1034/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CLUTCH PEDAL EFFORT REDUCTION MECHANISM WITH VARIABLE PEDAL RATIO FOR CABLE OPERATED CLUTCH CONTROLS

(51) International classification	:B60K23/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure is related to clutch control mechanism, more particularly relates to clutch pedal effort reduction mechanism with variable pedal ratio for cable operated clutch controls. The clutch pedal mechanism comprises a control mounting bracket fixed to vehicle, a pedal mounting bracket connected below to the control mounting bracket, a clutch pedal pivotally connected to the pedal mounting bracket. The clutch pedal mechanism is further characterized into, an actuating lever configured with an extended sliding surface at its free end and connected to the clutch pedal. The actuating lever is pivotally connected to the pedal mounting bracket. A support bracket is mounted to control mounting bracket of the vehicle at predetermined distance from the pedal mounting bracket. A link comprising plurality of connecting ends and plurality of arms is connected to the support bracket at one end and to a clutch cable yoke at its other end.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/04/2012

(21) Application No.1094/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HOT-PRESSED MEMBER AND METHOD FOR PRODUCING THE SAME

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(51) International classification	:C23C 28/00
(31) Priority Document No	:2009-247384
(32) Priority Date	:28/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069643
Filing Date	:28/10/2010
(87) International Publication No	:WO/2011/052797
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)JEE STEEL CORPORATION**

Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyodaku Tokyo 100-0011 Japan

(72)**Name of Inventor :**

**1)NAKAMARU Hiroki**

**2)NAKAJIMA Seiji**

**3)MIYOSHI Tatsuya**

**4)MASUOKA Hiroyuki**

**5)OOTSUKE Shinji**

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(57) Abstract :

Disclosed is a hot-pressed member which comprises: a steel sheet that constitutes the member and that has a surface layer in which an Ni diffusion region is present; an intermetallic-compound layer formed on the Ni diffusion region, the intermetallic-compound layer corresponding to the  $\gamma$  phase present in a phase equilibrium diagram of a Zn-Ni alloy; and a ZnO layer formed on the intermetallic-compound layer. The hot-pressed member has a spontaneous potential, when immersed in 0.5-M aqueous NaCl solution saturated with air and having a temperature of  $25\pm5^{\circ}\text{C}$ , of -600 to -360 mV relative to the standard hydrogen electrode. This hot-pressed member can be produced without generating any scale. The member has excellent adhesion to coatings and has excellent corrosion resistance after coating. The member can be inhibited from corroding and thereby suffering hydrogen penetration into the steel.

No. of Pages : 40 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/04/2012

(21) Application No.1095/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HOT-PRESSED MEMBER AND MANUFACTURING METHOD THEREOF

(51) International classification	:C23C 28/00
(31) Priority Document No	:2009-281154
(32) Priority Date	:11/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069644
Filing Date	:28/10/2010
(87) International Publication No	:WO/2011/070877
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)JEE STEEL CORPORATION**

Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan

(72)**Name of Inventor :**

**1)NAKAMARU Hiroki**

**2)OOTSUKA Shinji**

**3)NAKAJIMA Seiji**

**4)MASUOKA Hiroyuki**

---

(57) Abstract :

Provided are a hot-pressed member which has excellent hot-press formability, spot weldability, and coating adhesion and in which corrosion-induced penetration of hydrogen into the steel can be inhibited, and a process for producing the member. The hot-pressed member comprises a steel plate constituting the member, an Ni diffusion region formed on the surface layer of the steel plate in an amount of 10-90,000 mg/m<sup>2</sup> in terms of deposited Ni amount, and an inorganic compound disposed on the Ni diffusion region.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1037/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COOKING SYSTEM FOR MOTOR VEHICLES UTILIZING WASTE HEAT ENERGY OF ENGINE

(51) International classification	:B60K1/04	(71) <b>Name of Applicant :</b> <b>1)MAHINDRA NAVISTAR AUTOMOTIVES LIMITED</b> Address of Applicant :MAHINDRA TOWERS, 3RD FLOOR, G.M. BHOSALE MARG, WORLI, MUMBAI-400 018, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)KHANDARE, NANDKUMAR</b> <b>2)JHA, DHRUV KUMAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the cooking system for motor vehicles utilizing waste heat energy of engine 2. The cooking system comprises an engine2 with or without turbo charger 3 exhaust gas outlet connected to a heat exchanger through a two way butterfly T-valve 21. The exhaust gas outlet of the Said heat exchanger 4 connected to the exhaust muffler 6 discharge to atmosphere. A pressure tight cooking vessel 5 having intermediate heating fluid jacket with a pressure tight Lid 14 equipped with pressure regulator valve 16 fitted in the cabin floor of vehicle. The outlet 10 and inlet 11 of the intermediate working fluid tubes, with intermediate heating fluid therein, of the said heat exchanger 4 respectively connected to the inlet and outlet of the said jacket of the cooking vessel 5.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1038/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PARK BRAKE CABLE ADJUSTMENT SYSTEM FOR A MOTOR VEHICLE

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(51) International classification	:F16C1/22	(71) <b>Name of Applicant :</b> <b>1)MAHINDRA &amp; MAHINDRA LIMITED</b> Address of Applicant :R & D CENTER, AUTOMOTIVE SECTOR, 89, M.I.D.C. SATPUR, NASHIK-422 007, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)RADHAKRISHNAN, RENGARAJ</b>
Filing Date	:NA	<b>2)RAO, J. VALLABHA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the park brake cable adjustment system for a motor vehicle. The park brake cable adjustment system comprises a ratchet plate 2 mounted centrally over a bottom plate 6. The said bottom plate 6 provided with a pair of toothed spring 4 biased slider 3 with engaging teeth of said ratchet held in a guide plate 5. A top plate 1 rigidly mounted over the said bottom plate 6 so as to enable the said ratchet to move to and fro between said guide plate. A front cable 9 assembly mounted on the first abutment bracket. The inner of the said front cable connected to the hole of ratchet. A pair of rear cables assembly mounted on the second abutment bracket 10. The inner of the said rear cables connected the pair holes at distant and symmetrical. One or more bias spring means 8 provided to keep the rear cables inner under tension.

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2012

(21) Application No.1098/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF PROVIDING THREE DIMENSIONAL SOUND AT A WIRELESS DEVICE□

(51) International classification	:G06F 3/16
(31) Priority Document No	:12/619,983
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/056910
Filing Date	:16/11/2010
(87) International Publication No	:WO/2011/062920
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America

**(72)Name of Inventor :**

**1)KING Bennett M.**

**2)TARTZ Robert S.**

**3)CARY James B.**

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**(57) Abstract :**

A method of providing three-dimensional (3D) sound at a wireless device is disclosed and may include detecting movement of a 3D virtual object within a display determining a direction of the movement of the 3D virtual object and transmitting sound from a 3D sound system that tracks the direction of the movement of the 3D virtual object. The method may further include selectively altering a phase of the sound as the 3D virtual object moves selectively altering a volume of the sound as the 3D virtual object moves selective altering a pitch of the sound as the 3D virtual object moves selectively altering a tone of the sound as the 3D virtual object moves or a combination thereof.

No. of Pages : 44 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2012

(21) Application No.1099/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CALIBRATING MULTI-DIMENSIONAL SENSOR FOR OFFSET, SENSITIVITY, AND NON-ORTHOGONALITY□

(51) International classification	:G01P 21/00, G06F 3/033	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America
(31) Priority Document No	:12/612,563	
(32) Priority Date	:04/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/055303 :03/11/2010	(72) <b>Name of Inventor :</b> <b>1)BRUNNER Christopher</b>
(87) International Publication No	:WO/2011/056875	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A multi-dimensional sensor a magnetometer or accelerometer is calibrated based on the raw data provided by the sensor. Raw data is collected and may be used to generate ellipse or ellipsoid parameters for a two-dimensional or three-dimensional sensor respectively. An offset calibration factor is calculated based on the raw data e.g. the determined ellipse or ellipsoid parameters. A sensitivity calibration factor is then calculated based on the offset calibration factor and the raw data. A non-orthogonality calibration factor can then be calculated based on the calculated offset and sensitivity calibration factors. Using the offset sensitivity and non-orthogonality calibration factors the raw data can be corrected to produce calibrated data.

No. of Pages : 39 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1056/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A MEANS TO DEBILITATE THE EFFECT OF HOLM'S FORCE ON THE CONTACT SYSTEM

(51) International classification	:G08B21/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)LARSEN & TOUBRO LIMITED**

Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
MUMBAl-400001, STATE OF MAHARASHTRA, INDIA

(72)Name of Inventor :

**1)PATANKAR SHREYYASH**

**2)PANDA DEBASIS**

**3)NIMANI MUKESH**

(57) Abstract :

The present invention relates to the field of switchgears and circuit breakers. More particularly the present invention relates to an improved contact arrangement for an air circuit breaker configured to debilitate repulsive forces. In the closed position Spring means is configured to provide compressive force on said fingers thereby creating moment over said finger pivot pin axis enabling passing of current between said top terminal assembly and said fingers through said bottom terminal assembly. The present invention provides a very simple contact arrangement.

No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1056/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BULGE FORMING APPARATUS FOR PRODUCING CANNED PRODUCT, AND CANNED PRODUCT

(51) International classification	:B65D 43/02
(31) Priority Document No	:200920269209.2
(32) Priority Date	:10/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/078551
Filing Date	:09/11/2010
(87) International Publication No	:WO/2011/057555
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)AKZO NOBEL SWIRE PAINTS (SHANGHAI) LTD.**

Address of Applicant :No. 536 Rong Le Road (E.) Song Jiang Industrial Zone Shanghai 201 600 China China

**2)WUJIANG HUAYUAN TINPLATE-PRINTING & TIN-MAKING CO. LTD.**

(72)**Name of Inventor :**

**1)Lai Guangde**

(57) Abstract :

A bulge forming apparatus for producing a canned product and a canned product produced by the bulge forming apparatus are disclosed. The canned product comprises a can (1) having an mouth (13), a lid (2) having an extension (21), and contents filled in the can (1), wherein the lid (2) is fitted in the mouth (13) such that the extension (21) forms a fit with a sidewall (11) of the mouth to seal the can (1). The bulge forming apparatus (3) is configured to form at least one bulge (22) on one of the extension (21) of the lid (2) and the sidewall (11) of the mouth (13) after the lid (2) has been fitted in the mouth (13) of the can (1), and while the lid (2) is removed from the can (1), the convex surface of the at least one bulge (22) is engaged with the other of the extension (21) of the lid (2) and the sidewall (11) of the mouth (13) in such a way that the extension (21) and/or the sidewall (11) is destroyed. The apparatus can produce a canned product in a simple way and at a low cost, and the canned product has an anti-counterfeit function.

No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1058/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : APPARATUS AND METHOD FOR EARTHFAULT DETECTION USING AIR CORE SENSOR SIGNALS FOR PROTECTION AND CONTROL UNITS OF CIRCUIT BREAKERS

(51) International classification	:H01H71/16	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400001, STATE OF MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)BISHNOI, BHANWAR LAL</b>
(87) International Publication No	:N/A	<b>2)MANOKARAN, KARTHIK</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JHAVERI, RACHIT, SHAILAIN</b>
Filing Date	:NA	<b>4)SUPEDA, PRAHLAD</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to a fault detection system and method thereof. More particularly the present invention relates to a system to compute earth fault current for protection of circuit breakers and a method thereof. Method comprises the steps of detecting signals using a plurality of air core sensors; integrating said signals using a plurality of integrators; providing a dc offset using a power supply means during said integration for level shifting of said signal; summing the level shifted signal with other phases using a summation amplifier; said voltage read by a microcontroller for detecting dc offset and subtracting the known dc offset from said signal to calculate earth fault current.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1116/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS FOR IMPLEMENTING MULTI-TOUCH GESTURES ON A SINGLE-TOUCH TOUCH SURFACE□

(51) International classification	:G06F 3/048
(31) Priority Document No	:12/611,549
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052921
Filing Date	:15/10/2010
(87) International Publication No	:WO/2011/056387
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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United States of America.

(72)**Name of Inventor :**

**1)GODAVARI Sri Venkatesh**

(57) Abstract :

Methods for activating multi-touch functionality by recognizing and processing multi-touch interactions on a touch surface of non-multi-touch computing devices. The computing device may detect a jump from the location of the first touch event to determine that a multiple touch gesture is being traced. Virtual touch events are detected and stored. Using mathematical formulae parameters are calculated based on initial and subsequent virtual touch event locations. Based on these parameters the multi-touch functionality is determined such as a zooming or rotating function. A transform factor may be determined and applied to the image display.

No. of Pages : 65 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1065/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MOTOR CONTROL SYSTEM FOR A HOIST DRIVE

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(51) International classification	:H02P 6/08
(31) Priority Document No	:09177587.4
(32) Priority Date	:01/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/FI2010/050982
Filing Date	:30/11/2010
(87) International Publication No	:WO/2011/067467
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Konecranes Plc

Address of Applicant :Koneenkatu 8 FI-05830 Hyvink  
Finland

(72)Name of Inventor :

1)SALOM,,KI Janne

2)PORMA Mikko

(57) Abstract :

A motor control system for a hoist drive having an electric motor (2) operationally connected to a hoisting member (4) for hoisting a load (6) the motor control system being adapted to generate a final angular frequency reference (5) for control of the electric motor (2) the motor control system comprising a power limiter means (8) adapted to generate a correction term (s cor) for angular frequency reference. The power limiter means (8) comprises an integrating controller means (10) the power limiter means (8) being adapted to generate the correction term (s cor) for angular frequency reference using output signal IP of the integrating controller means (10) initial data of the integrating controller means (10) including information relating to actual value of the power of the electric motor (2) and a power related limit value of the electric motor (2).

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1066/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DUAL FLUSH VALVE□

(51) International classification	:E03D 1/14
(31) Priority Document No	:0917000.2
(32) Priority Date	:29/09/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051608
Filing Date	:27/09/2010
(87) International Publication No	:WO/2011/039530
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FROST Douglas Robert David**

Address of Applicant :14 Boulton Close Burntwood Staffordshire WS7 9LD United Kingdom

(72)Name of Inventor :

**1)FROST Douglas Robert David**

(57) Abstract :

A dual flush valve (1) comprises a housing (10) having an outlet (2, 36) and a main valve assembly (34) movable within the housing between a raised position in which the valve is open and a lowered position in which the valve is closed. An operating system (14) is actable in response to an input to raise the main valve assembly (34) off its seat (2A) so that it is subjected to an upwards force by immersion fluid entering the outlet. In response to a first actuation input, the operating system exerts a first downward force on the main valve assembly (34) so that the main valve assembly is caused to descend when the fluid in the cistern reaches a first predetermined intermediate fluid level (31) to provide a partial flush. In response to a second actuation input the operating system exerts a second downward force on the main valve assembly (34) which is lower than the first downward force so that main valve assembly is caused to descend when the fluid in the cistern reaches a second predetermined intermediate fluid level (32) lower than the first intermediate fluid level to provide a full flush.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.1124/MUMNP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : MULTILAYER CAPACITOR, MANUFACTURING METHOD THEREOF, CIRCUIT BOARD AND ELECTRONIC DEVICE

(51) International classification	:H01G 4/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-239159	<b>1)RUBYCON CORPORATION</b>
(32) Priority Date	:16/10/2009	Address of Applicant :1938-1, NISHIMINOWA, INA-SHI, NAGANO 399-4593, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/067924	<b>1)TEZUKA, TAKENORI</b>
Filing Date	:13/10/2010	<b>2)ITO, CHIHARU</b>
(87) International Publication No	:WO/2011/046132	<b>3)KAKO, TOMONAO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a multilayer capacitor that can be manufactured with a high yield, and wherein the warp thereof can be limited. The multilayer capacitor, manufacturing method thereof, circuit board, and electronic device are characterized by having resin layers and metal layers laminated alternately a plurality of times in the thickness direction, having the front and back faces thereof covered with surface layers containing resin material, having either the front face or the back face comprised of a first face (30) that is a gently sloping face without any recess section, having the other face comprised of a second face (32) with recess sections (34), and characterized by having two or more laminated bodies (20A, 20B), with warps, pasted together, and by further having at least two adjacent laminated bodies (20A, 20B) pasted together with either the first faces (30) thereof, or with the second faces (32) thereof.

No. of Pages : 51 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1011/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A CORE-TYPE TRANSFORMER WITH AXIALLY PLACED ASYMMETRIC SECONDARY WINDINGS

(51) International classification	:H01F21/00	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)BOYD DANIEL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ZIOMEK WALDEMAR</b>
Filing Date	:NA	<b>3)VIJAYAN KRISHNAMURTHY</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A core-type transformer with axially placed asymmetric secondary winding, said transformer comprises: axially placed secondary windings, each of said secondary windings further comprising 2 layers, each winding being of different axial height, different conductors and a matching primary winding to get different voltages, different impedance and different loading capability.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1011/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PACKAGE FOR TOBACCO-RELATED ARTICLES

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(51) International classification	:B65D 5/66
(31) Priority Document No	:09014501.2
(32) Priority Date	:20/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/007008
Filing Date	:18/11/2010
(87) International Publication No	:WO/2011/060931
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)IMPERIAL TOBACCO LIMITED**

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(72)**Name of Inventor :**

**1)HOLLOWAY Steve**

**2)COLLINS Tim**

**3)KNORR Solvey**

**4)SOUTHEY Neil**

**5)WOLFGRAMM Regine**

**6)GURKE Inga**

**7)DEVIVIER Guillaume**

---

(57) Abstract :

A package (1) for tobacco-related articles comprises a shell (2) having a front wall (10), a rear wall, two lateral walls (14) opposite to each other as well as a top side. A lid (4) is adapted to close the top side of the shell (2) when in a closed state. The lid (4) is swivelably connected to the rear wall or one of the lateral walls of the shell (2) at a hinge line and is swivelable about the hinge line for transfer from the closed state to an opened state. The lid (4) comprises a top wall, which has a front edge, a rear edge, two lateral edges and a bottom side and is adapted to close the top side of the shell (2) when the lid (4) is in its closed state. A bevelled edge wall (34, 36) extends from at least the edge of the top wall of the lid (4) opposite to the hinge line and fits into the shell (2) when the lid (4) is in its closed state.

No. of Pages : 42 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1069/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : X-RAY INSPECTION APPARATUS FOR PIPELINE GIRTH WELD INSPECTION□

(51) International classification	:G01N 23/18
(31) Priority Document No	:0917950.8
(32) Priority Date	:13/10/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/001900
Filing Date	:12/10/2010
(87) International Publication No	:WO/2011/045563
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)**SHAWCOR LTD.**

Address of Applicant :25 Bethridge Road Toronto Ontario M9W 1M7 Canada

(72)Name of Inventor :

1)**KNIGHT Stephen**

2)**DRAKE Stephen G.**

(57) Abstract :

An apparatus is provided for x-ray inspection of a pipeline girth weld. This comprises a directional x-ray source 5 which is insertable into a pipeline section and is rotatable within the pipeline. Means are provided to align the directional x-ray source with an external x-ray detector such that both may be rotated through 360 degrees substantially coaxially with the pipeline section. Means for sampling the data detected by the x-ray detector are provided so that it may be further analysed.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/05/2012

(21) Application No.1129/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CARBAZOLE COMPOUND AND USE THEREOF

(51) International classification	:C07D 209/86
(31) Priority Document No	:2009-241665
(32) Priority Date	:20/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/068469
Filing Date	:20/10/2010
(87) International Publication No	:WO/2011/049123
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TOSOH CORPORATION**

Address of Applicant :4560 Kaisei-cho Shunan-shi Yamaguchi 746-8501 Japan.

(72)Name of Inventor :

**1)Naoki MATSUMOTO**

**2)Takanori MIYAZAKI**

**3)Shinichi ISHIKAWA**

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(57) Abstract :

Disclosed is a carbazole compound represented by the formula. In the formula, when m = 1 and n = 0, Ar1, Ar2, Ar3 and X2 each represents a C6-50 aryl group, a C4-50 heteroaryl group; X1 represents a C6-50 arylene group; R1, R2, R4, R5 and R7 each represents H, a halogen atom, an amino group, a C1-18 alkyl group, a C1-18 alkoxy group, a C6-50 aryl group or a C4-50 heteroaryl group; R3 and R6 each represents H, a halogen atom, a C1-18 alkyl group, a C1-18 alkoxy group, a C6-50 aryl group or a C4-50 heteroaryl group; and Ar1 and Ar2 as well as Ar3 and X2 may respectively combine together to form a ring. In the formula, when m = 0 and n = 1-3, Ar3, Ar4 and Ar5 each represents a C6-50 aryl group or a C4-50 heteroaryl group; X1 represents a C1-18 alkyl group, a C6-50 aryl group or a C4-50 heteroaryl group; X2 represents a C6-50 arylene group; R1-R7 each represents H, a halogen atom, a C1-18 alkyl group, a C1-18 alkoxy group, a C6-50 aryl group or a C4-50 heteroaryl group; and Ar4 and Ar5 may combine together to form a ring. In the formula, when m = n = 0, X1 represents a C1-18 alkyl group, a C6-50 aryl group or a C4-50 heteroaryl group; Ar3 and X2 each represents a C6-50 aryl group or a C4-50 heteroaryl group; R2 represents H, a halogen atom, a C1-18 alkyl group or a C1-18 alkoxy group; and R1 and R3-R7 each represents H, a halogen atom, a C1-18 alkyl group, a C1-18 alkoxy group, a C6-50 aryl group or a C4-50 heteroaryl group. The carbazole compound is useful as a material for an organic EL element.

No. of Pages : 92 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1067/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DATA SEARCHING USING SPATIAL AUDITORY CUES□

(51) International classification	:G06F 17/30
(31) Priority Document No	:61/257,684
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054249
Filing Date	:27/10/2010
(87) International Publication No	:WO/2011/056640
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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United States of America

(72)**Name of Inventor :**

**1)XIANG Pei**

**2)MAHAJAN Manish**

(57) Abstract :

Spatial auditory cues are produced while a user searches a database for stored information. The spatial auditory cues assist the user in quickly locating stored information by producing sounds that are perceived at specific physical locations in space around the user as the search proceeds. Each location may be associated with different information. Thus, using the techniques disclosed herein, a user can more easily recall stored information by remembering the locations of sound produced by particular spatial auditory cues. The spatial auditory cues may be used in conjunction with a visual search interface. A method of producing auditory cues includes receiving a search action at a user interface included in a device, translating the search action into a spatial auditory cue corresponding to a specific location within a space, and rendering the spatial auditory cue as an audio output signal.

No. of Pages : 43 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1068/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACCURATE MAGNETIC COMPASS IN MOBILE ELECTRONIC DEVICE

(51) International classification	:G01C 17/38
(31) Priority Document No	:12/612,529
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055300
Filing Date	:03/11/2010
(87) International Publication No	:WO/2011/066073
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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United States of America

(72)Name of Inventor :

**1)KULIK Victor**

**2)BRUNNER Christopher**

(57) Abstract :

Methods and apparatus are described herein for calibration and correction of non-constant sensor errors, and in particular non-constant compass errors, that are based in part on changing software and hardware modes of a host device. The non-constant errors induced in the sensor by each mode and combination of modes is determined in a calibration that may be determined during pre-production testing of one or more host devices. The calibration results can be incorporated into software and/or hardware of the host device. During normal operation, a sensor correction can be applied to sensor measurements based in part on the active mode or combination of modes.

No. of Pages : 34 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.1126/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL ARYLATED CAMPHENES, PROCESSES FOR THEIR PREPARATION AND USES THEREOF

(51) International classification	:C07C 43/215
(31) Priority Document No	:61/262,677
(32) Priority Date	:19/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000970
Filing Date	:18/11/2010
(87) International Publication No	:WO/2011/061744
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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Address of Applicant :Hi -Tech Park Givat-Ram Edmond Safra Campus 91390 Jerusalem Israel.

(72)**Name of Inventor :**

- 1)MECHOULAM Raphael**
- 2)MAGID Lital**
- 3)SHOHAMI Esther**
- 4)BAB Itai**

(57) Abstract :

The present invention relates to arylated camphenes, processes for their preparation and uses thereof for the manufacture of medicaments for the treatment of diseases, disorders or conditions associated with, or benefiting from stimulation of CB2 receptors.

No. of Pages : 78 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.1127/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR PRODUCING HOMOGENEOUS MAGNETIC FIELDS

(51) International classification	:G01R 33/387
(31) Priority Document No	:61/266,015
(32) Priority Date	:02/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001920
Filing Date	:01/12/2010
(87) International Publication No	:WO/2011/066652
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NANALYSIS CORP.**

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Calgary Alberta T3J 5M9 Canada

(72)**Name of Inventor :**

**1)LESKOWITZ Garrett M.**

**2)McFEETORS Gregory**

**3)ONEILL Chris F.**

**4)PERNECKER Sebastien**

(57) Abstract :

A method for shimming a magnetic field is disclosed. The method uses a single shim current to contribute to suppression of more than one geometrical component of an inhomogeneity in the magnetic field without changing the geometry of the shim path. Apparatuses to implement the method are also disclosed. In embodiments the apparatuses comprise substantially commonly oriented shim paths.

No. of Pages : 59 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.1128/MUMNP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD FOR PREPARING MANGANESE SULFATE MONOHYDRATE BY DESULFURIZING FUME WITH MIDDLE-LOW GRADE MANGANESE DIOXIDE ORE

(51) International classification	:C01G 45/10
(31) Priority Document No	:200910179944.9 (CN)
(32) Priority Date	:10/10/2009
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2010/075314 :20/07/2010
(87) International Publication No	:WO/2011/041956
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)GUIZHOU REDSTAR DEVELOPING CO. LTD.**

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**2)Shenzhen Haoyitong Investment and Development Co.  
Ltd.**

**3)BEIJING MAXQUEEN TECHNOLOGY CO. LTD.**

(72)**Name of Inventor :**

**1)JIANG Zhiguang**

**2)HUA Dong**

**3)WU Fei**

(57) Abstract :

Provided is a method for preparing manganese sulfate monohydrate by desulfurizing fume with middle-low grade manganese dioxide ore, which comprises: preparing a slurry by using middle-low grade manganese dioxide ore powder, first infusing sulfur-containing fume in the absorbing device and controlling gas velocity and gas-liquid ratio, and then adding manganese dioxide slurry and controlling the slurry to backwards flow opposite to the sulfur-containing fume, discharging the desulfurized fume from the absorbing device, press-filtering and separating the slurry discharged from the absorbing device, guiding the mother liquor to the absorbing device, and continuing the guide operation until the manganese sulfate in the mother liquor is  $\geq 200$  g/l, agitating and washing the obtained filter cake at 60-70  $^{\circ}\text{C}$ , adjusting pH value of the clear solution obtained by press-filtering and separating to 2-4, adding manganese sulfide under agitation at 25-95  $^{\circ}\text{C}$ , and filtering and removing impurities, continuing agitating, press-filtering and separating, vaporizing the obtained clear filtrate, and obtaining manganese sulfate monohydrate after drying in the air stream. Desulfurizing efficiency is improved, the production cost of manganese sulfate is reduced, the recycling rate of total manganese is improved, and the valuable metals are recycled in high efficiency.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1040/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PHASE SEGREGATED TERMINAL BOX WITH ONLINE INSULATION MONITORING SYSTEM ASSEMBLY

(51) International classification	:G01N27/04	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)WADBUDE SAHEBRAO</b>
(87) International Publication No	:N/A	<b>2)PANGAL SARVESH</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A phase segregated terminal box with online insulation monitoring system assembly, said assembly comprises: an online partial discharge sensor, per phase, adapted to be mounted in a cable dividing box placed along with said terminal box, with cable(s) extending therethrough; and clamping assembly, per phase, adapted to receive said cable(s), per phase, respectively, through a laterally located hole on said clamping assembly.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.1041/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COATED BODIES MADE OF METAL, HARD METAL, CERMET OR CERAMIC MATERIAL AND METHOD FOR COATING SUCH BODIES

(51) International classification	:C23C 16/34	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 046 667.3 DE	<b>1)FRAUNHOFER-GESELLSCHAFT ZUR F-RDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</b> Address of Applicant :Hansaстр. 27c 80686 M <sup>1/4</sup> nchen
(32) Priority Date	:12/11/2009	Germany
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2010/067371 :12/11/2010	<b>1)ENDLER Ingolf</b> <b>2)H-HN Mandy</b>
(87) International Publication No	:WO/2011/058132	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to coated bodies made of metal, hard metal, cermet or ceramic material, coated with a single- or multi-layer coating system containing at least one hard material composite coating, and to a method for coating such bodies. The aim of the invention is to develop a coating system for such bodies, which is single- or multi-layered and comprises at least one hard material composite coating, which contains cubic TiAlCN and hexagonal AlN as the main phases and is characterized by a composite structure having a smooth, homogeneous surface, high oxidation resistance and high hardness. Said aim includes the development of a method for cost-effectively producing such coatings. The hard material composite coating according to the invention contains cubic TiAlCN and hexagonal AlN as main phases, wherein the cubic TiAlCN is microcrystalline fcc-Ti<sub>1-x</sub>Al<sub>x</sub>CyNz where x > 0.75, y = 0 to 0.25 and z = 0.75 to 1 having a crystallite size of ≥ 0.1 μm, and wherein the composite coating in the grain boundary region additionally contains amorphous carbon having a percent by weight of 0.01% to 20%. The coating is carried out according to the invention in a LPCVD process at temperatures between 700°C and 900°C and at pressures between 102 Pa and 105 Pa without additional plasma excitation. The hard material composite coating according to the invention is characterized by a composite structure having a smooth, homogeneous surface, high oxidation resistance and high hardness and can be used in particular as a wear protection coating on Si<sub>3</sub>N<sub>4</sub> and WC/Co indexable inserts and steel components.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1143/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM FOR COMPENSATING FOR FAULTY MEASUREMENTS

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(51) International classification	:G01C 21/00
(31) Priority Document No	:61/252,104
(32) Priority Date	:15/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052161
Filing Date	:11/10/2010
(87) International Publication No	:WO/2011/046866
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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TORRANCE, CA, 90503, US

(72)**Name of Inventor :**

**1)RONALD R. HATCH**

**2)LIWEN L. DAI**

---

(57) Abstract :

Satellite navigation measurements of signals are received from global navigation satellites for a measurement epoch (402 in Figure 4). A Kalman filter is used to calculate a state of the global navigation satellites for the measurement epoch based on the satellite navigation measurements (404), wherein said state of the global navigation satellites is calculated using a first closed form update equation. A faulty measurement in the plurality of satellite navigation measurements for the measurement epoch is detected (406). A revised state, of the plurality of global navigation satellites for the measurement epoch that compensates for the faulty measurement, is calculated, (408) using said calculated state of the plurality of global navigation satellites and using a revised closed- form update equation comprising the first closed- form update equation modified with respect to the faulty measurement.

No. of Pages : 58 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1030/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR PREPARATION OF FOSAPREPITANT AND SALT THEREOF

(51) International classification	:C07F9/6558	(71) <b>Name of Applicant :</b> <b>1)GLENMARK GENERICS LIMITED</b> Address of Applicant :GLENMARK HOUSE, HDO-CORPORATE BLDG, WING-A,B.D. SAWANT MARG, CHAKALA, ANDHERI(EAST), MUMBAI-400 099, INDIA Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)DR. SHEKHAR BHASKAR BHIRUD</b>
Filing Date	:NA	<b>2)DR. BHARGAV KRISHNAJI UPADHYE</b>
(62) Divisional to Application Number	:NA	<b>3)MR. NAVIN GANESH BHATT</b>
Filing Date	:NA	<b>4)MR. MAHENDRA JOMA CHORAGHE</b>

(57) Abstract :

The present invention relates to an improved process for the preparation of fosaprepitant and salt thereof.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1031/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : DC GENERATOR SET

(51) International classification	:H02M3/335	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PATWARDHAN VINAY</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

DC generator set. The generator set (3) comprises a prime mover having a shaft (2) and a AC generator (3) coaxially cooperatively coupled to the prime mover shaft and an electronic converter. The AC generator comprises a cup shaped permanent magnet external rotor (4) having a cylindrical body (5), a closed end (6) and an open end (7). The closed end of the cylindrical body is adapted to be coaxially mounted to the prime mover shaft. A plurality of permanent magnets (12) are located at the inner circumference of the cylindrical body spaced apart from one another. A wound stator (13) is mounted on a stator shaft (14) and disposed stationary in the cylindrical body of the rotor. An endshield (15) is rotatably disposed over the stator shaft through an axial hole (15a) in the endshield and fixed to the open end of the cylindrical body. The end shield has a plurality of air holes (19, 20) for directing cooling atmospheric air to the stator. A cup shaped flange (21) comprising a cylindrical member (22) having a mounting end (23) with an axial hole (25) and an open end (24) is disposed over the endshield and rotor with the mounting end thereof engaged over the stator shaft through the axial hole therein and mounted to the stator shaft. The open end of the flange is fixed to the prime mover housing. The cylindrical member and mounting end of the flange comprises a plurality of openings (33, 34). Simplicity of construction, compactness, cost benefit and elimination of cooling fan are some of the advantages of the invention

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1032/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SPLIT HOPKINSON PRESSURE BAR APPARATUS AND METHOD THEREOF

(51) International classification	:G01N3/02	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)HARA KRISHNA POLAPRAGADA</b> <b>2)SUSANTA KUMAR DEY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A split Hopkinson pressure bar apparatus comprising a propeller unit consisting of a piston cylinder arrangement to propel a striker a guide barrel fixed to an end of the propeller unit, wherein said guide barrel accommodates the striker a incident bar, wherein one end of the incident bar is placed proximal to the guide barrel and the other end of the incident bar is fixed to a specimen gripper a transmitting bar, wherein one end of the transmitting bar is fixed to a specimen gripper and the other end of the transmitting bar is free to move upto a predetermined distance parallel to the axis of the apparatus at least one fork having plurality of extended arms is connected to each of the specimen grippers to secure the test specimen at either ends.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1152/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : REINFORCEMENT FOR DARTED PI PREFORMS, PI PREFORMS COMPRISING THIS REINFORCEMENT AND METHOD OF REINFORCING THE PI PREFORMS

(51) International classification	:B29C 70/22
(31) Priority Document No	:12/616,597
(32) Priority Date	:11/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055845
Filing Date	:08/11/2010
(87) International Publication No	:WO/2011/059922
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ALBANY ENGINEERED COMPOSITES, INC.**

Address of Applicant :112 AIRPORT DRIVE, ROCHESTER,  
NEW HAMPSHIRE 03867, U.S.A.

(72)**Name of Inventor :**

**1)GOERING, JONATHAN**

**2)MCCLAIN, MICHAEL**

---

(57) Abstract :

A reinforcement for a darted three-dimensional Pi or T-shaped preform, a method of making thereof and a composite structure including the reinforcement is disclosed. The reinforcement is a steered fabric having a width, a length, a first face surface and a second face surface separated by a thickness. The first face surface of the steered fabric is affixed to a darted component of the preform. The steered fabric reinforcement can be a single layer or multilayer fabric, which can be woven using a programmable take up system. Ref. Fig.

No. of Pages : 27 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1029/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR PREPARATION OF TICAGRELOR

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(51) International classification	:C07C209/56	(71) <b>Name of Applicant :</b> <b>1)GLENMARK GENERICS LIMITED</b> Address of Applicant :GLENMARK HOUSE, HDO-CORPORATE BLDG, WING-A.B.D. SAWANT MARG, CHAKALA, ANDHERI(EAST), MUMBAI-400 099, INDIA Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. SUNIL KUMAR SINGH</b>
(62) Divisional to Application Number	:NA	<b>2)DR. SACHIN SRIVASTAVA</b>
Filing Date	:NA	<b>3)DR. SHEKHAR BHASKAR BHIRUD</b>

---

(57) Abstract :

The present invention relates to cyclopentane pyrimidine compounds, a process for their preparation and their use as intermediate compounds in the preparation of ticagrelor.

No. of Pages : 30 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1155/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRONIC COUNTER MEASURE SYSTEM

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(51) International classification	:G01S 7/38
(31) Priority Document No	:204908 (IL)
(32) Priority Date	:08/04/2010
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2011/000292
Filing Date	:06/04/2011
(87) International Publication No	:WO/2011/125060
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)ELBIT SYSTEMS EW AND SIGINT - ELISRA LTD.**  
Address of Applicant :48 Mivtza Kadesh Street 51203 Bene Beraq Israel

(72)**Name of Inventor :**

**1)MANELA Reuel  
2)RAYBEE Arye  
3)KANTER Eran  
4)BLANK David**

(57) Abstract :

A tactical electronic counter measure system comprising a first retro-directional transceiver sub system, receiving signals at a first frequency band, and first retro-directional transceiver re transmitting a signal at least substantially toward the direction from which the sources signal was received, and first retro directional transceiver sub system including a plurality of blade antennas and a controller, coupled with and first retro-directional transceiver, and controller controlling the activity of and first retro directional transceiver sub system, and controller further managing the missions of and first retro directional transceiver sub system.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1156/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DETECTING AND RESPONDING TO MALWARE USING LINK FILES□

(51) International classification	:G06F 21/06
(31) Priority Document No	:12/579,679
(32) Priority Date	:15/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052892
Filing Date	:15/10/2010
(87) International Publication No	:WO/2011/047296
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)MCAFEE INC.**

Address of Applicant :3965 Freedom Circle Santa Clara California 95054 United States of America

(72)**Name of Inventor :**

**1)KUMAR Lokesh**

**2)RAMCHETTY Harinath Vishwanath**

**3)KULKARNI Girish R.**

(57) Abstract :

Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for monitoring the generation of link files by processes on a computer and performing protection processes based on whether the link files target malicious objects or are generated by malicious processes. In one aspect, a method includes monitoring for a generation of a first file that includes a target path that points to an object; in response to monitoring the generation of the first file: determining whether the target path is a uniform resource locator; in response to determining that the target path is a uniform resource locator, identifying a process that caused the first file to be generated; determining whether the process is a prohibited process; in response to determining that the process is a prohibited process, performing one or more protection processes on the process and the first file; in response to determining that the process is not a prohibited process, determining whether the uniform resource locator is a prohibited uniform resource locator; in response to determining that the uniform resource locator is a prohibited uniform resource locator, performing one or more protection processes on the process and the first file.

No. of Pages : 26 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1157/MUMNP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : A BASE STATION FOR USE IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEM□

(51) International classification	:H04L 27/26	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:60/697,898	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:08/07/2005	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2006/026403	United States of America
Filing Date	:08/07/2006	
(87) International Publication No	:WO/2007/008614	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)LAROIA Rajiv</b>
Filing Date	:NA	<b>2)LI Junyi</b>
(62) Divisional to Application Number	:201/MUMNP/2008	<b>3)JIN Hui</b>
Filed on	:31/01/2008	

(57) Abstract :

Special DC tone treatment in a wireless communications system, e.g., an OFDM system, is discussed. In the downlink, a wireless terminal receiver introduces self-interference at the DC tone from the RP/ baseband conversion. A base station thus does not transmit on the downlink DC tone according to a predetermined pattern while continuing to transmit on other downlink tones.. Wireless terminals measure received signal on the downlink DC tone during the time of suspended DC tone transmission, estimate self-interference and apply a correction to other received downlink DC tones. In the uplink DC tone interference is a composite of the assigned wireless terminal transmitters baseband/RF conversion self-interference and air link noise. During one symbol interval of an N symbol interval dwell, the uplink DC tone is reserved for a special modulation symbol, which is a predetermined function of the other M-I modulation symbols. At the base station, its receiver receives a set of modulation symbols conveyed by the uplink DC tone for a dwell, calculates the average DC component and corrects the received N-I modulation symbols.

No. of Pages : 118 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1102/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ENHANCED GENE EXPRESSION IN ALGAE

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(51) International classification	:C12N 15/79
(31) Priority Document No	:61/256,921
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055012
Filing Date	:01/11/2010
(87) International Publication No	:WO/2011/053935
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)SYNAPTIC RESEARCH LLC

Address of Applicant :1448 South Rolling Road Baltimore Maryland 21227 USA.

(72)Name of Inventor :

1)OYLER George

2)ROSENBERG Julian

(57) Abstract :

The invention provides a system of enhancing the expression of transgenes in algae. Transgenes are engineered to have a binding site for certain proteins in proximity to their promoter, for example a LexA binding site. The algae is also engineered to express a nucleosome alteration protein fused to a protein with affinity to the DNA binding site acting in coordination. An example is a LexA-p300 fusion protein, where the p300 is derived from Chlamydomonas. The LexA binding domain guides the p300 to the binding site and the p300 loosens the nucleosome structure by acetylating histones within proximity of the transgene, thus remodeling the local chromatin structure to allow for high-level expression.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1103/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MICROCAPSULES COMPRISING BENZOYL PEROXIDE AND TOPICAL COMPOSITIONS COMPRISING THEM

(51) International classification	:A61K 8/11	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/249,397	<b>1)TAGRA BIOTECHNOLOGIES LTD</b>
(32) Priority Date	:07/10/2009	Address of Applicant :P.O. Box 8213 8 Hamlacha Street
(33) Name of priority country	:U.S.A.	42293 Netanya Israel.
(86) International Application No	:PCT/IL2010/000813	(72) <b>Name of Inventor :</b>
Filing Date	:07/10/2010	<b>1)GOLDSTEIN Danny</b>
(87) International Publication No	:WO/2011/042902	<b>2)SADE Tal</b>
(61) Patent of Addition to Application Number	:NA	<b>3)YASMAN Yuri</b>
Filing Date	:NA	<b>4)PRIVALOVA Olga</b>
(62) Divisional to Application Number	:NA	<b>5)BENALTABET Lior</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides microcapsules comprising benzoyl peroxide and topical compositions comprising them, optionally along with other active ingredients, particularly for the treatment of acne.

No. of Pages : 66 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1104/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ILLUMINATION OF AN OBJECT

(51) International classification	:G03B 15/06
(31) Priority Document No	:20096192
(32) Priority Date	:17/11/2009
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2010/050921
Filing Date	:16/11/2010
(87) International Publication No	:WO/2011/061393
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Optomed Oy

Address of Applicant :Hallituskatu 13-17 D 96 FI-90100  
Oulu Finland.

(72)Name of Inventor :

1)JOLMA Ilkka

2)VIRTA Markku

3)TUOHIMAA Mikko

4)LIPPONEN Juha

(57) Abstract :

There is provided an improved solution for illuminating an object (220) by means of an optical component (200). In use, the optical component (200) is integrated with a hand-held camera unit (600). The optical component (200) comprises a light-diffusing element (210). In addition, the optical component (200) may also comprise at least one light source (420) and an end element (500) that directs the light to the object (220). Figure 2 is the representative figure.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1170/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD FOR PRODUCING DISPERSION OF MICROPARTICLES OF INORGANIC OXIDE IN ORGANIC SOLVENT

(51) International classification	:C09D 17/00
(31) Priority Document No	:2009-249166
(32) Priority Date	:29/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/069392
Filing Date	:26/10/2010
(87) International Publication No	:WO 2011/052762
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SAKAI CHEMICAL INDUSTRY CO., LTD.**

Address of Applicant :2 EBISUJIMACHO 5-CHO, SAKAI-KU, SAKAI-SHI, OSAKA 590-8502 JAPAN

(72)**Name of Inventor :**

**1)NAGAKAWA, KEIICHI**

**2)KAWASAKI, NORIAKI**

**3)MIYATA, ATSUSHI**

**4)HIRATA, NORIMUNE**

---

(57) Abstract :

The invention provides a method for producing a dispersion of microparticles of an inorganic oxide in an organic solvent having excellent transparency which comprises mixing an alcohol dispersion of microparticles of inorganic oxide selected from zirconia and titania with a silane coupling agent in the presence of an acid and stirring the resulting mixture to surface-treat the microparticles of the inorganic oxide at a temperature within a range from -20 to 60°C; and then replacing the alcohol by a lipophilic organic solvent.

No. of Pages : 28 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1171/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : 3-(3,4-DIHYDRO-2H-BENZO [1,4]OXAZIN-6-YL)-1H-PYRIMIDIN-2,4-DIONE COMPOUNDS AS HERBICIDES

(51) International classification	:C07D 413/04
(31) Priority Document No	:09175896.1
(32) Priority Date	:13/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP10/066778
Filing Date	:04/11/2010
(87) International Publication No	:WO 2011/057935
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)BASF SE**

Address of Applicant :67056 LUDWIGSHAFEN GERMANY

**(72)Name of Inventor :**

**1)SIMON, ANJA**

**2)PARRA RAPADO, LILIANA**

**3)EVANS, RICHARD ROGER**

**4)WITSCHEL, MATTHIAS**

**5)NEWTON, TREVOR WILLIAM**

**6)SEITZ, THOMAS**

**7)WALTER, HELMUT**

---

**(57) Abstract :**

The present invention relates to uracils of formula (I) wherein the variables are defined according to the description, processes and intermediates for preparing the uracils of the formula (I), compositions comprising them and their use as herbicides, i.e. for controlling harmful plants, and also a method for controlling unwanted vegetation which comprises allowing a herbicidal effective amount of at least one uracil of the formula (I) to act on plants, their seed and/or their habitat.

No. of Pages : 81 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1051/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD TO PREVENT NUISANCE TRIPPING OF RELAY THROUGH SECOND HARMONIC BLOCKING PROTECTION

(51) International classification	:H01H47/10	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400001, STATE OF MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DEY, MOUMITA</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates generally to a system and method to prevent nuisance tripping of relay under inrush conditions and more particularly to the second harmonic blocking protection once the inrush condition is detected and thus blocking all over-current protection elements. It provides a method to prevent nuisance tripping of relay through the second harmonic blocking protection once the inrush condition is detected and thus blocking all over-current protection elements comprising a numerical relay wherein the protection algorithm logic is installed in the CPU controller, in a coded form, which is embedded inside the relay. The object of present invention is to apply the same as a firmware built in the new feeder protection relay.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1113/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OPHTHALMIC LENS ELEMENT□

(51) International classification	:G02C 7/06
(31) Priority Document No	:2009905468
(32) Priority Date	:09/11/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/001486
Filing Date	:09/11/2010
(87) International Publication No	:WO/2011/054058
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)CARL ZEISS VISION INTERNATIONAL GMBH**

Address of Applicant :Gartenstrasse 97 73430 Aalen  
Germany

(72)Name of Inventor :

**1)VARNAS Saulius Raymond**

(57) Abstract :

A progressive ophthalmic lens element (100) is disclosed. The progressive ophthalmic lens element (100) includes an upper viewing zone (102), a lower viewing zone (104), a corridor (106), and a peripheral region (108) disposed on each side of the lower viewing zone (104). The upper viewing zone includes a distance reference point (DRP) and a fitting cross (110), and provides a first refractive power for distance vision. The lower viewing zone (104), which is for near vision, provides an addition power relative to the first refractive power. The corridor (106) connects the upper (102) and lower zones (104) and provides a refractive power varying from that of the upper viewing zone (102) to that of the lower viewing zone (104). Each peripheral region (108) includes a zone (120, 122) of positive power relative to the addition power which provides therein a positive refractive power relative to the refractive power of the lower viewing zone (104). The zones (120, 122) of relative positive power are disposed immediately adjacent to the lower viewing zone (104) such that the lower viewing zone interposes (104) the zones of relative positive power (120, 122).

No. of Pages : 44 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1178/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CHANNEL ESTIMATION FOR WIRELESS COMMUNICATION□

(51) International classification	:H04L 25/02
(31) Priority Document No	:60/707,673
(32) Priority Date	:12/08/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2006/031405
Filing Date	:10/08/2006
(87) International Publication No	:WO/2007/021952
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:434/MUMNP/2008
Filed on	:07/03/2008

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)**Name of Inventor :**

**1)LUO Tao**

**2)DAMNjanovic Aleksandar**

**3)MALLADI Durga Prasad**

---

(57) Abstract :

Techniques for deriving channel estimates with different channel estimation filters are described. In one scheme, a filter selection metric is determined for a signal to be recovered, a channel estimation filter is selected based on the filter selection metric, and a channel estimate is derived with the selected channel estimation filter. In another scheme, a first channel estimate is derived with a first channel estimation filter having a first filter response, a first signal is recovered with the first channel estimate, and interference due to the first signal is estimated and removed. A second channel estimate is derived with a second channel estimation filter having a second filter response that is different from the first filter response.

No. of Pages : 35 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1179/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CHANNEL ESTIMATION FOR WIRELESS COMMUNICATION□

(51) International classification	:H04L 25/02
(31) Priority Document No	:60/707,673
(32) Priority Date	:12/08/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2006/031405
Filing Date	:10/08/2006
(87) International Publication No	:WO/2007/021952
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:434/MUMNP/2008
Filed on	:07/03/2008

(71)**Name of Applicant :**

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5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)**Name of Inventor :**

**1)LUO Tao**

**2)DAMNjanovic Aleksandar**

**3)MALLADI Durga Prasad**

---

(57) Abstract :

Techniques for deriving channel estimates with different channel estimation filters are described. In one scheme, a filter selection metric is determined for a signal to be recovered, a channel estimation filter is selected based on the filter selection metric, and a channel estimate is derived with the selected channel estimation filter. In another scheme, a first channel estimate is derived with a first channel estimation filter having a first filter response, a first signal is recovered with the first channel estimate, and interference due to the first signal is estimated and removed. A second channel estimate is derived with a second channel estimation filter having a second filter response that is different from the first filter response.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1118/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MOBILE TERMINAL, DISPLAY APPARATUS AND CONTROL METHOD THEREOF□

(51) International classification	:H04W 88/02
(31) Priority Document No	:10-2009-0109774
(32) Priority Date	:13/11/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/007978
Filing Date	:12/11/2010
(87) International Publication No	:WO/2011/059250
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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Suwon-si Gyeonggi-do 442-742 Korea Republic of Korea

(72)**Name of Inventor :**

**1)CHANG Woo-Yong**

**2)YU Seung-Dong**

**3)PARK Se-Jun**

**4)MOON Min-Jeong**

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(57) Abstract :

Disclosed is a control method for a display apparatus and a mobile terminal which includes a camera for taking a photograph and generating an image; a voice input unit which is used to input a voice; a user input unit which receives a users input; a display unit which displays the image thereon; a wireless communication unit which communicates with a counterpart mobile terminal through a wireless network; and a controller which performs a video call by transmitting to the counterpart mobile terminal video call data comprising a video generated by the camera and a voice input by the voice input unit according user input, displays on the display unit a shared image during the video call, and transmits to the counterpart mobile terminal the shared image added to the video call data.

No. of Pages : 68 No. of Claims : 71

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1119/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING CLIENT INITIATED TRANSMISSIONS IN MULTIPLE-USER COMMUNICATION SCHEMES □

(51) International classification	:H04W 72/12
(31) Priority Document No	:61/261,325
(32) Priority Date	:14/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/056599
Filing Date	:12/11/2010
(87) International Publication No	:WO/2011/060309
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
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United States of America

(72)**Name of Inventor :**

**1)ABRAHAM Santosh P.**

**2)MERLIN Simone**

**3)WENTINK Maarten Menzo**

**4)SAMPATH Hemanth**

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(57) Abstract :

A method for wireless communications is disclosed that includes receiving a plurality of requests to transmit data from a plurality of apparatuses; determining resource allocation for a set of apparatuses in the plurality of apparatuses, wherein the determination is based on the plurality of requests; and transmitting a message comprising the resource allocation to the set of apparatuses to permit data transmission. Another method for wireless communications is disclosed that includes contending for access to a medium based on a request, by an apparatus, with a plurality of other apparatuses; receiving a message, the message comprising a resource allocation based on requests from the apparatus and the other apparatuses, wherein the resource allocation permits data transmission from the apparatus and some of the other apparatuses; and transmitting data by the apparatus based on the message. Apparatuses for performing the methods are also disclosed.

No. of Pages : 61 No. of Claims : 208

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1182/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOSITION FOR TREATMENT OF MULTIPLE SCLEROSIS

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(51) International classification	:A61K 39/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/RU2009/000533
Filing Date	:12/10/2009
(87) International Publication No	:WO/2011/046462
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

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Wyoming Delaware USA

(72)Name of Inventor :

**1)GABIBOV Alexandre Gabibovich**

**2)BELOGUROV Aleksey Anatolievich**

**3)PONOMARENKO Natalia Alexandrovna**

(57) Abstract :

Novel oligopeptides combinations thereof and fusion proteins composed of the above-mentioned oligopeptides are disclosed. Oligopeptides are homologous in amino acid sequence to the selected parts of the amino acid sequence of human myelin basic protein (MBP) and are capable to ameliorate the progression of multiple sclerosis by means of binding to and inactivation of epitope-specific anti MBP catalytic auto antibodies (ESAMBPCAA) involved into binding and catalytic degradation of MBP in course of progression of Multiple Sclerosis.

No. of Pages : 39 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1183/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SEALING COVER ASSEMBLY FOR AN UNDERGROUND UTILITY BOX

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(51) International classification	:E02D 29/14
(31) Priority Document No	:12/578,427
(32) Priority Date	:13/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050570
Filing Date	:28/09/2010
(87) International Publication No	:WO/2011/046742
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)SEAHORSE INDUSTRIES LTD**

Address of Applicant :2215-B,RENAISSANCE DRIVE,LAS VEGAS,NEVADA 89119,US U.S.A.

(72)Name of Inventor :

**1)ROST, KEVIN**

**2)ROST, HARDY**

(57) Abstract :

ABSTRACT OF THE DISCLOSURE A sealing cover assembly that provides a liquid-tight seal around the upper perimeter of an underground utility box includes an upper lid element, a lower lid element, and a resilient, elastomeric sealing element sandwiched in between. The sealing element includes a peripheral sealing lip that mates with a peripheral surface of the upper lid element, and a sealing flange that seats in a peripheral groove or slot in the lower lid element. The peripheral lip bears against an interior surface of the underground box to form a seal. The underside of the lower lid element includes fastening elements for securing an accessory holder to the underside of the cover assembly. A central fastening assembly secures the upper and lower lid elements together with the sealing element captured therebetween.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1010/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED SNOUT ASSEMBLY FOR OUT-COMING LEAD OF HIGH VOLTAGE

(51) International classification	:H02J3/00	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)EFFENDI YUHAN</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved snout assembly for out-coming lead of high voltage, said snout assembly comprising an interfacing member adapted to interface said assembly with a machine and further comprising a snout extending out of said interfacing member in a substantially orthogonal disposition, characterised in that, the junction of said interfacing member and said snout includes an insulation medium, according to pre-defined patterns.

No. of Pages : 18 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1010/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WHEY PROTEIN PRODUCT AND A METHOD FOR ITS PREPARATION

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(51) International classification	:A23C 9/142
(31) Priority Document No	:20096114
(32) Priority Date	:28/10/2009
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2010/050843
Filing Date	:25/10/2010
(87) International Publication No	:WO/2011/051557
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)VALIO LTD**

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(72)**Name of Inventor :**

**1)HARJU Matti**

**2)HEINO Antti**

**3)TIKANM,,KI Reetta**

**4)TOSSAVAINEN Olli**

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(57) Abstract :

The invention relates to a whey protein product having a ratio of whey protein to casein in the range from about 90: 10 to about 50:50 and the total protein content of at least 20% on dry matter basis, and a method for its preparation. The product has a favourable amino acid composition and is especially suitable for athletes.

No. of Pages : 20 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1061/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A HYDRAULIC PUMP ASSEMBLY

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(51) International classification	:F04B 49/22
(31) Priority Document No	:0950735-1
(32) Priority Date	:06/10/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/051070
Filing Date	:05/10/2010
(87) International Publication No	:WO/2011/043722
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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Sweden.

(72)Name of Inventor :

**1)NILSSON Johan**  
**2)HERVEN Daniel**  
**3)DAHLSTR-M Peter**  
**4)SEVERINSSON Lars**

(57) Abstract :

A system for distributing torque between front and rear axles of an all wheel drive vehicle and/or between left and right wheels of a two or four wheel drive vehicle comprises at least one limited slip coupling (7) having a disc package (15) and a piston (13) acting thereon, the piston (13) being actuated by a hydraulic pump assembly. This assembly has an electric motor (16), a hydraulic pump (17) driven thereby, and a centrifugal regulator (19) also driven thereby, the centrifugal regulator (19) controlling a pressure overflow valve (20), connected to the oil outlet (23) of the hydraulic pump (17). The assembly specifically comprises an axial piston pump having a piston drum (30) rotatable in a pump housing (31) and containing a number of reciprocable axial pistons (35), at least one centrifugal lever (40) pivotally attached to the piston drum (30), and a valve member (44) connected to the centrifugal lever (40) and being arranged for cooperation with the mouth of an oil outlet bore (45) in the piston drum (30) to form the pressure overflow valve (20).

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1121/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SELF-REINFLATING TIRE

(51) International classification	:B60C 23/00
(31) Priority Document No	:PV 2009-748
(32) Priority Date	:11/11/2009
(33) Name of priority country	:Czech Republic
(86) International Application No	:PCT/CZ2010/000114
Filing Date	:11/11/2010
(87) International Publication No	:WO/2011/057591
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SITHOLD S.R.O.**

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(72)Name of Inventor :

**1)HRABAL FrantiÅ¡ek**

(57) Abstract :

A device for transport of air in the tire P or close to it consisting of a chamber K in the shape of a hollow compressible channel placed along at least a part of the tire perimeter characterized by the fact that a ring OK is placed at the inner side of the chamber K with the distance of its outer side from the tire axis of rotation equal to 1 to 1.1 multiple of the distance of the bottom side of the chamber K from the axis of rotation of the tire P.

No. of Pages : 44 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1185/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IN-WHEEL MOTOR DRIVE ASSEMBLY

(51) International classification	:B60K 7/00
(31) Priority Document No	:2009-260012
(32) Priority Date	:13/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/068050
Filing Date	:14/10/2010
(87) International Publication No	:WO 2011/058844 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NTN CORPORATION

Address of Applicant :3-17 KYOMACHIBORI 1-CHOME,  
NISHI-KU,OSAKA-SHI OSAKA 550-0003 JAPAN

(72)Name of Inventor :

1)YAMAMOTO, TETSUYA

2)YAMAGATA, AKIRA

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(57) Abstract :

IN-WHEEL MOTOR DRIVE ASSEMBLY An in-wheel motor drive assembly 21 includes: a motor unit A; a speed reduction unit B having an output shaft 28 reducing the rotational speed of the motor rotary shaft 35 and outputting the reduced rotation and a speed-reduction-unit casing 22b forming a-contour, and disposed on one axial side of the motor unit A; a wheel hub bearing unit C having a wheel hub 32 fixedly coupled with the output shaft 28 and a wheel-hub-bearing outer ring 22c rotatably supporting the wheel hub 32, and disposed on one axial side of the speed reduction unit B; and coupling portions 63, 64 secured to at least one of the wheel-hub-bearing outer ring 22c and speed-reduction-unit casing 22b to couple with members of a vehicle body. -

No. of Pages : 69 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1014/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A SEGMENTED MOTOR FRAME

(51) International classification	:B65C9/08	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)SATHE MAHESH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A segmented motor frame for enveloping a motor, said frame comprises: segmented pre-cast plates of a pre-defined curvature, in that, said plates being assembled end to end to form a substantially cylindrical motor frame.

No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1015/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN EVALUATION ASSEMBLY FOR SOLID INSULATION DRYING

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(51) International classification	:C09D109/06	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SAHASRABUDHE MAYURESH</b>
(87) International Publication No	:N/A	<b>2)CHAUDHARI SUSHIL EKANATH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LOBO ANTHONY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An evaluation assembly for solid insulation drying, said assembly being an enclosure adapted to enclose stacks of disc windings and insulation windings according to their formation of a core and further comprises: roschelling wood plate adapted to be co-axially placed at the operative top and at the operative bottom of the stacked formation of disc windings and insulation windings; metal plate adapted to be co-axially placed at the operative top and at the operative bottom of the placed roschelling wood plate over the stacked formation of disc windings and insulation windings; load sensor adapted to be placed over said metal plate in order to sense load application to said formed core; temperature sensor adapted to sense temperature of said formed core; and control panel adapted to receive sensed load readings and sensed temperature readings in order to evaluate effect of load on drying of insulation of said formed core.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1016/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR RENATURATION OF POLYPEPTIDES

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(51) International classification	:A61K38/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SANJAY MADHUKAR SONAR</b>
(32) Priority Date	:NA	Address of Applicant :BIOGENOMICS LIMITED, FIRST
(33) Name of priority country	:NA	FLOOR, KOTHARI COMPOUND, OPPOSITE TIKUJI-NI-
(86) International Application No	:NA	WADI, THANE WEST - 400 610, MAHARASHTRA, INDIA.
Filing Date	:NA	<b>2)ARCHANA RAJESH KRISHNAN</b>
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SONAR SANJAY MADHUKAR</b>
Filing Date	:NA	<b>2)KRISHNAN ARCHANA RAJESH</b>
(62) Divisional to Application Number	:NA	<b>3)GHADE NIKHIL SUDHIR</b>
Filing Date	:NA	

---

(57) Abstract :

The invention relates to method of refolding of proteins from a solution containing the protein in predominantly misfolded. aggregated form. The method involves denaturation and reduction of the protein of interest. The denatured and reduced preparation is subjected to removal of reducing agent in denaturing condition and at low pH to prevent the misfolding of the protein. The protein preparation is subjected to refolding followed by removal of the refolding buffer components.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1195/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM FOR PRODUCING FIBER-REINFORCED MOLDED PARTS AND METHOD FOR OPERATING A SYSTEM FOR PRODUCING FIBER-REINFORCED MOLDED PARTS

(51) International classification	:B29C 70/46	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 046 670.3	<b>1)DIEFFENBACHER GMBH MASCHINEN- UND ANLAGENBAU</b>
(32) Priority Date	:12/11/2009	Address of Applicant :Heilbronnerstr. 20 75031 Eppingen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/006918	(72) <b>Name of Inventor :</b>
Filing Date	:12/11/2010	<b>1)GRAF Matthias</b>
(87) International Publication No	:WO/2011/057807	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a system for the continuous production of fiber-reinforced resin sheets (10) during the production of fiber-reinforced molded parts (SMC) by means of extrusion in a molding press (20), wherein a production device (38) for producing resin sheets (10), comprising a mixing device (1) for combining at least one resin base (9) having fibers (6) and a fulling and saturating device (14) for mixing the fibers (6) with the resin base (9) into a resin sheet (10) is arranged in succession, a thickening device (25) is arranged for maturation of the resin sheet (10) and a transfer device (19) is arranged for cutting the resin sheet (10) to length to a cut sheet (18) for subsequent transfer of at least one cut sheet (18) to the molding press (20), wherein there is a transport section between the inlet point (32) of the resin sheet (10) into the thickening device (25) and an outlet point (23) of the resin sheet (10) out of the thickening device (25) arranged in the thickening device (25). According to the invention, at least one positioning device (26, 27, 29, 32, 33) is arranged substantially within the thickening device (25) to change the length of the transport section between the inlet point (32) and the outlet point (23). The invention further relates to a method for operating a system for producing fiber-reinforced molded parts (SMC).

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1138/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PROCESS FOR PRODUCING INK AND RELEVANT TO THE PROCESS, INK, PRINTED MATTER AND MOLDING

(51) International classification	:C09D 11/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2006-048430	<b>1)TEIKOKU PRINTING INKS MFG. CO., LTD.</b>
(32) Priority Date	:24/02/2006	Address of Applicant :4-12, MITA 4-CHOME, MINOTO-KU, TOKYO 108-0073 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP06/310608	<b>1)TAKANO, KENJI</b>
Filing Date	:22/05/2006	<b>2)TORIHATA, TAKUYA</b>
(87) International Publication No	:WO 2007/097049	<b>3)KIMURA, JUN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:2043/MUMNP/2008	
Filed on	:24/09/2008	

(57) Abstract :

A process for producing an ultraviolet hardenable ink for inkjet system improvable in moldability, adherence and tack is provided through selection of a combination of monofunctional radical-polymerizable monomer as a main component and, as another component, polyfunctional radical-polymerizable oligomer and/or monofunctional radical-polymerizable monomer. In particular, there is provided a process for producing an ultraviolet hardenable ink for inkjet system, comprising, as a photopolymerization reactive composition, mixing phenoxyethyl acrylate as a base with, according to necessity, a monofunctional radical-polymerizable monomer and/or polyfunctional radical-polymerizable oligomer as another component in relative amounts falling within a given range so that among the above-mentioned properties, excellent results can be realized with respect to at least two thereof while with respect to the rest one, no unfavorable results are brought about. Further, there is provided an ink produced by the process, and provided, making use of the ink, a decorated printed matter or decorated sheet molding. Still further, there is provided an insert molding shaped item making use of the decorated printed matter or decorated sheet molding.

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1139/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WIRELESS RECEIVER DEVICE AND DIRECTIVITY CONTROL METHOD

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(51) International classification	:H04B 7/10,H04J 11/00
(31) Priority Document No	:2010-042446
(32) Priority Date	:26/02/2010
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2011/000889 :17/02/2011
(87) International Publication No	:WO 2011/105032
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

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Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 5718501, JAPAN

(72)Name of Inventor :

1)HASHIGAYA, ATSUHIKO

(57) Abstract :

Disclosed is a wireless receiver device capable of avoiding deterioration in reception quality in an SFN environment, even when a delayed wave is present that exceeds the guard interval. In the device, an OFDM receiver (100) receives a wireless signal via a network that uses a single frequency. An antenna directivity control unit (122) forms directivity when the signal is received. An OFDM receiver unit (120) measures reception level and reception quality. A transmitter station information database (140) associates transmitter station location information with a transmitter station and stores same. A determination unit (121) selects a transmitter station and changes directivity formed by the antenna directivity control unit (122) for each such selection on the basis of the reception level, the reception quality, the present location information of the OFDM receiver (100), and the transmitter station location information that is stored in the transmitter station information database (140).

No. of Pages : 38 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.1200/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FAST SUBSPACE PROJECTION OF DESCRIPTOR PATCHES FOR IMAGE RECOGNITION □

(51) International classification	:G06K 9/46
(31) Priority Document No	:61/265,950
(32) Priority Date	:02/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058807
Filing Date	:02/12/2010
(87) International Publication No	:WO/2011/069023
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)HAMSICI Onur C.**

**2)REZNIK Yuriy**

**3)HONG John H.**

**4)VADDADI Sundeep**

**5)LEE Chong U.**

---

(57) Abstract :

A method for generating a feature descriptor is provided. A set of pre-generated sparse projection vectors is obtained. A scale space for an image is also obtained, where the scale space having a plurality scale levels. A descriptor for a keypoint in the scale space is then generated based on a combination of the sparse projection vectors and sparsely sampled pixel information for a plurality of pixels across the plurality of scale levels.

No. of Pages : 67 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.1201/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INFORMATION STORAGE MEDIUM, RECORDING AND REPRODUCING APPARATUS, AND RECORDING AND REPRODUCING METHOD□

(51) International classification	:G11B 7/007
(31) Priority Document No	:61/272,716
(32) Priority Date	:26/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/007392
Filing Date	:26/10/2010
(87) International Publication No	:WO/2011/052977
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SAMSUNG ELECTRONICS CO. LTD.**

Address of Applicant :416 Maetan-dong Yeongtong-gu  
Suwon-si Gyeonggi-do 442-742 Republic of Korea

(72)**Name of Inventor :**

**1)HWANG Sung-Hee**

**2)LEE Kyung-Geun**

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(57) Abstract :

A computer readable medium, apparatus, and method for efficiently managing a space bitmap. A computer readable medium includes: a user data area on which user data is recorded; and a temporary disc management area on which a space bitmap indicating a recording status of recording and reproducing unit blocks of the user data area is recorded. The space bitmap includes header information for distinguishing an additional space bitmap from the space bitmap. The additional space bitmap is assigned when a space provided for the space bitmap is insufficient to represent the recording status of the recording and reproducing unit blocks of the user data area.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1140/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR PROVIDING SILENCE PERIODS IN DIRECTIONAL COMMUNICATIONS NETWORKS□

(51) International classification	:H04W 76/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/263,230	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:20/11/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/057333	United States of America
Filing Date	:19/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/063179	<b>1)JAIN Avinash</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SAMPATH Hemanth</b>
Filing Date	:NA	<b>3)TAGHAVI NASRABADI Mohammad Hossein</b>
(62) Divisional to Application Number	:NA	<b>4)ABRAHAM Santosh P.</b>
Filing Date	:NA	

(57) Abstract :

A method of facilitating a silence period in a directional communication network is provided. The method may comprise initiating, by a first apparatus, a listening period mode, wherein the listening period mode comprises ceasing at least a portion of current communication and configuring the first apparatus to receive a request to initiate a new communication, determining whether a request is received during a time period in the listening period mode, and transmitting a response if the request to initiate the new communication is received during the time period in the listening period mode.

No. of Pages : 51 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1141/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF CONTROLLING THREE DIMENSIONAL VIRTUAL OBJECTS ON A PORTABLE COMPUTING DEVICE□

(51) International classification	:G06F 3/033
(31) Priority Document No	:12/619,930
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/056909
Filing Date	:16/11/2010
(87) International Publication No	:WO/2011/062919
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America

(72)**Name of Inventor :**

**1)TARTZ Robert S.**

**2)CARY James B.**

(57) Abstract :

A method of manipulating a three-dimensional (3D) virtual object on a wireless device is disclosed and includes detecting a press, a bump or a slide on a 3D sensor array and moving the 3D virtual object in response to the press, the bump or the slide. Further, the method includes detecting a release of the press on the 3D sensor array and stopping the movement of the 3D virtual object. [Fig. 23]

No. of Pages : 49 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1204/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CREATING AND UTILIZING A CONTEXT□

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(51) International classification	:H04M 1/725
(31) Priority Document No	:61/266,850
(32) Priority Date	:04/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052913
Filing Date	:15/10/2010
(87) International Publication No	:WO/2011/068598
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)**Name of Inventor :**

**1)PRICE Philip K.**

**2)VENKATESHWARAN Ramaswamy**

**3)MICHAEL Matthew M. J.**

**4)BURNS Gregory**

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(57) Abstract :

The described aspects include an apparatus or method of context-aware communication comprises obtaining, by an access terminal, a plurality of terminal data from a plurality of access terminal subsystems, one or more terminal applications, or a combination of both. Further, the aspects include determining at least one context corresponding to at least a portion of the plurality of terminal data. Also, the aspects include creating a context profile having a context identifier identifying each context, wherein each context profile comprises profile parameters corresponding to the respective portion of the plurality of terminal data determined to correspond to the respective context. Additionally, the aspects include storing each context profile. Optionally, the aspects may further include monitoring for the occurrence of a context corresponding to a content profile, and performing a context action triggered by detecting the occurrence of a context.

No. of Pages : 36 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1205/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DIGITAL IMAGE COMBINING TO PRODUCE OPTICAL EFFECTS□

(51) International classification	:H04N 5/232
(31) Priority Document No	:12/630,115
(32) Priority Date	:03/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058985
Filing Date	:03/12/2010
(87) International Publication No	:WO/2011/069123
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America

(72)**Name of Inventor :**

**1)HWANG Hau**

**2)LI Hsiang-Tsun**

**3)ATANASSOV Kalin M.**

(57) Abstract :

Method and apparatus for shooting at least two images at different effective lens focal length, high pass filtering said at least two images, estimating the respective spectral densities of said at least two images, and low pass filtering the respective estimates of said at least two images prior to combining said at least two images into a single image to produce one or more optical effects.

No. of Pages : 38 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1206/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BAFFLE OR REINFORCEMENT REVERSE MOLDING

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(51) International classification	:B62D 29/00
(31) Priority Document No	:09177996.7
(32) Priority Date	:04/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/068866
Filing Date	:03/12/2010
(87) International Publication No	:WO/2011/067387
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)SIKA TECHNOLOGY AG

Address of Applicant :Zugerstrasse 50 CH-6340 Baar Switzerland

(72)Name of Inventor :

1)BELPAIRE Vincent

2)LINDGREN Henrik

(57) Abstract :

A method of forming a baffle or reinforcement (170) comprises molding an expandable material (180) in a first cavity (130) of a mold (105) and molding a carrier material (175) onto the expandable material in a second cavity (135) of the mold (105).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1147/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POCKETABLE AUCTION SYSTEM AND METHOD

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(51) International classification	:G06Q 40/00
(31) Priority Document No	:61/250,243
(32) Priority Date	:09/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052078
Filing Date	:08/10/2010
(87) International Publication No	:WO/2011/044517
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)UBUNGE, INC.**

Address of Applicant :1736 ROBSON AVENUE, SANTA MONICA, CALIFORNIA 90405, U.S.A.

(72)Name of Inventor :

**1)ROBERTS, MARK, E.**

(57) Abstract :

A system, a method, an apparatus, and a computer program product are provided. The apparatus includes at least one memory including computer program code, and at least one processor. The at least one memory and the computer program code are configured to cause the apparatus at least to receive a request from a first user node to initiate an auction for a purchase of a product, and initiate an auction for the product, and cause the apparatus at least to receive an initial bid from a second user node. The initial bid includes a price term that is lower than or equal to an initial price term for the product. The at least one memory and the computer program code are also configured to cause the apparatus at least to receive one or more subsequent bids from the second user node or another user node.

No. of Pages : 45 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1210/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STATOR AND ASSEMBLY METHOD

(51) International classification	:H02K 1/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09176739.2	<b>1)ABB Oy</b> Address of Applicant :Strmbergintie 1 FI-00380 HELSINKI Finland.
(32) Priority Date	:23/11/2009	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FI2010/050949	<b>1)J,,PPINEN Jari</b> <b>2)IK,,HEIMO Jouni</b> <b>3)PEKOLA Jari</b>
Filing Date	:23/11/2010	
(87) International Publication No	:WO/2011/061410	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stator disk of an electric motor stator, comprising a set of recesses (212), each recess (212) being configured to receive a cooling pipe (214). The stator disk (200A) comprises one or more positioning elements (218A) for aligning the stator disk with another stator disk, the one or more positioning elements being positioned to the stator disk (200A) such that when the stator disk (200A) is set to a rotated position with respect to another similar stator disk (200B) to align the recesses (212B, 222A) of the disks (200A, 200B) for receiving of cooling pipes, the positioning elements (218A, 218B) of the two disks (200A, 200B) become only partly aligned with each other.

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1211/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ROTOR DISK AND ASSEMBLY METHOD

(51) International classification	:H02K 1/28
(31) Priority Document No	:09176731.9
(32) Priority Date	:23/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/FI2010/050948
Filing Date	:23/11/2010
(87) International Publication No	:WO/2011/061409
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ABB Oy

Address of Applicant :Strmbergintie 1 FI-00380 HELSINKI Finland.

(72)Name of Inventor :

1)IK,HEIMO Jouni

2)KOLEHMAINEN Jere

(57) Abstract :

A rotor disk for an electric motor comprising a shaft hole (310) for receiving a shaft (312) of the electric motor, a set of positioning holes (320, 322, 324, 326) around the shaft hole (310), each configured to receive a positioning pin (340, 342, 344, 346). The shaft hole (310) and the set of positioning holes (320, 322, 324, 326) are positioned in the rotor disk (300) such that when the rotor disk (300) is set to a rotated position with respect to another similar rotor disk (302), and the shaft (312) and the positioning pins (340, 342, 344, 346) are penetrated to the respective holes of the two rotor disks (300, 302), the disks (300, 302) cause a pressing force to the shaft (312).

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1212/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : GABAPENTIN PRODRUG SUSTAINED RELEASE ORAL DOSAGE FORMS

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(51) International classification	:A61K 31/197
(31) Priority Document No	:60/625,737
(32) Priority Date	:04/11/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2005/040127
Filing Date	:03/11/2005
(87) International Publication No	:WO/2006/050514
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:546/MUMNP/2007
Filed on	:16/04/2007

---

(71)**Name of Applicant :**

**1)XENOPORT INC.**

Address of Applicant :3410 Central Expressway Santa Clara California 95051 United States of America

(72)**Name of Inventor :**

**1)CUNDY Kenneth C.**

**2)SASTRY Srikonda**

**3)LEUNG Manshiu**

**4)KADRI Balaji V.**

**5)STACH Paul E.**

---

(57) Abstract :

Sustained release oral dosage forms of a gabapentin prodrug, 1 &lcub;[(a-isobutanoyloxyethoxy)carbonyl]aminomethyl&rcub; 1 cyclohexane acetic acid, are disclosed. The dosage forms are useful for treating or preventing diseases and disorders for which gabapentin is therapeutically effective.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/01/2007

(21) Application No.1753/MUM/2006 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FULLY AUTOMATIC CONTINUOUS SOLVENT RECOVERY SYSTEM & PROCESS THEREOF

(51) International classification	:B01D1/26	(71) <b>Name of Applicant :</b> <b>1)ATRE ASHOK DATTATRAYA</b> Address of Applicant :PUSHPA HEIGHTS 1ST FLOOR, BIBWEWADI CORNER, PUNE 411 037 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)ATRE ASHOK DATTATRAYA</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT The present invention provides a system and a method of automatic continuous solvent recovery by using the cage mill type disintegrator wherein the system can be operated at vacuum or with pressure higher than atmospheric with the use of steam / thermic fluid / hot water depending upon the degradation temperature of the material.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1049/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMPROVED MECHANISM FOR CIRCUIT BREAKERS

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(51) International classification	:H01H71/16	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAl-400001, STATE OF MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DONGRE NILESH SURESH</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates generally to circuit breakers. More particularly the present invention relates to an improved mechanism for circuit breakers. The latching engagement gets the mechanism the ability to withstand vibrations. Another benefit is the trip force required to trip the mechanism is least as additional load of trip bracket spring is not required to avoid disengagement of latch bracket and trip bracket. Additional benefit is the simple & cost effective design of bimetal as the trip force is minima],

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1109/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS AND COMPOSITIONS FOR DIAGNOSIS AND PROGNOSIS OF RENAL INJURY AND RENAL FAILURE

(51) International classification	:A61K 39/395	(71) <b>Name of Applicant :</b> <b>1)ASTUTE MEDICAL INC.</b> Address of Applicant :Blg 2 R. 645 3550 General Atomics Court San Diego CA 92121 UNITED STATES OF AMERICA
(31) Priority Document No	:61/259,155	
(32) Priority Date	:07/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/055721 :05/11/2010	(72) <b>Name of Inventor :</b> <b>1)ANDERBERG Joseph</b> <b>2)GRAY Jeff</b> <b>3)MCPHERSON Paul</b> <b>4)NAKAMURA Kevin</b> <b>5)KAMPF James Patrick</b>
(87) International Publication No	:WO/2011/057138	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to methods and compositions for monitoring diagnosis prognosis and determination of treatment regimens in subjects suffering from or suspected of having a renal injury. In particular the invention relates to using a one or more assays configured to detect a kidney injury marker selected from the group consisting of C-C motif chemokine 23 Transmembrane glycoprotein NMB Brain-derived neurotrophic factor Cathepsin S Transforming growth factor beta-2 Urokinase-type plasminogen activator Angiopoietin-2 Matrilysin Carcinoembryonic antigen-related cell adhesion molecule 1 Creatine kinase MB Insulin Immunoglobulin M Immunoglobulin E Macrophage migration inhibitory factor Galectin-3 Transforming growth factor beta-3 Heparan sulfate soluble Cadherin-3 Complement C5 Platelet factor 4 Platelet basic protein and Stromelysin-2 as diagnostic and prognostic biomarkers in renal injuries.

No. of Pages : 242 No. of Claims : 108

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1110/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHODS AND COMPOSITIONS FOR DIAGNOSIS AND PROGNOSIS OF RENAL INJURY AND RENAL FAILURE

(51) International classification	:G01N 33/53	(71) <b>Name of Applicant :</b> <b>1)ASTUTE MEDICAL INC</b> Address of Applicant :Blg 2 R. 645 3550 General Atomics Court San Diego CA 92121 U.S.A.
(31) Priority Document No	:61/259,143	
(32) Priority Date	:07/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/055730 :05/11/2010	(72) <b>Name of Inventor :</b> <b>1)ANDERBERG Joseph</b> <b>2)GRAY Jeff</b> <b>3)MCPHERSON Paul</b> <b>4)KAMPF James Patrick</b> <b>5)NAKAMURA Kevin</b>
(87) International Publication No	:WO/2011/057147	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to methods and compositions for monitoring diagnosis prognosis and determination of treatment regimens in subjects suffering from or suspected of having a renal injury. In particular the invention relates to using a one or more assays configured to detect a kidney injury marker selected from the group consisting of Cathepsin B Renin Dipeptidyl Peptidase IV Neprilysin Beta-2-microglobulin Carbonic anhydrase IX and C-X-C motif chemokine 2 as diagnostic and prognostic biomarkers in renal injuries.

No. of Pages : 119 No. of Claims : 108

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/03/2012

(21) Application No.2531/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DOCKING SYSTEM TO MOBILE COMPUTING DEVICES ADDING FUNCTION OF TRANSACTION,SHOPPING,POINT OF SALE(POS) MACHINE,ENTERTAINMENT AND NETWORKING TO MOBILE DEVICE

(51) International classification	:G06K 17/00	(71) <b>Name of Applicant :</b> <b>1)BHEDA , NAYAN</b> Address of Applicant :10,PRABHAT P.M.ROAD,VILE PARLE(EAST),MUMBAI-400 057,MAHARASHTRA,INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)BHEDA , NAYAN</b> <b>2)HALDE, NILESH</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a docking system to Mobile Computing Devices adding function of transaction, shopping, Point of Sale (POS) machine, entertainment and networking to mobile computing device 1. The device comprises a casing body (CB) having circuit board. On the said circuit board, an Ethernet card, barcode scanner module, TV and FM tuner, magnetic strip reader module, RFID reader module, remote control with infrared receiver module, speakers and microphone mounted and electrically connected to the USB hub. At front side of said casing body a U-shaped frame member (F) having the gap identical to the size of mobile computing device. The said U-shape frame members having groove means provided for slide ably mounting the said mobile computing device. The docking connector means provided for connecting to port of said MCD. A swiping slot provided on the one side of said frame electrically connected Jo the said bar code scanner module. The external sockets provided on the said casing body for USB interface, AV in for digital TV, head phone interface, analogue TV input and Ethernet connection. A power pack with battery backup controlled by a switch provided for power supply to circuit board.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/04/2012

(21) Application No.1096/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACTUATOR USING PNEUMATIC PRESSURE AND HYDRAULIC PRESSURE

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(51) International classification	:F15B 11/072
(31) Priority Document No	:10-2009-0097316
(32) Priority Date	(KR) :13/10/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/006980
Filing Date	:12/10/2010
(87) International Publication No	:WO/2011/046351
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)KIM Gi-Chan

Address of Applicant :104-1807 Seongseo Purunmaeul 1330 Igok-dong Dalseo-gu Daegu 704-795 Republic of Korea

(72)Name of Inventor :

1)KIM Gi-Chan

(57) Abstract :

The present invention relates to an actuator using pneumatic pressure and hydraulic pressure and more particularly to an actuator using pneumatic pressure and hydraulic pressure which applies the hydraulic pressure to an actuating rod that is operated by the pneumatic pressure thereby producing higher thrust wherein a disc which freely moves within a fluid is used to stabilize the free surface of the fluid thus preventing air from being mixed into the working fluid naturally removing air from the working fluid and minimizing the amount of working fluid that may leak to the outside so that the pressure that is applied both to the actuating rod and to a plunger can be maximized.

No. of Pages : 90 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2012

(21) Application No.1097/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HOMOGENIZING FUEL ENHANCEMENT SYSTEM

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(51) International classification	:F02B 43/00
(31) Priority Document No	:61/247,831
(32) Priority Date	:01/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051167
Filing Date	:01/10/2010
(87) International Publication No	:WO 2011/041705
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)EXEN HOLDINGS, LLC**

Address of Applicant :1331 SIMPSON WAY, ESCONDIDO, CA 92029, U.S.A..

(72)**Name of Inventor :**

**1)LUND, MORTEN A.**

(57) Abstract :

A homogenizing fuel enhancement system involves at least one circulation loop existing outside of the injection system for continuously circulating and maintaining the homogeneity of a multi-fuel mixture apart from any demands by or delivery to the engines injection system (whether mechanical injection or a common rail), and at least one infusion tube configured within the at least one circulation loop for providing a volumetric expansion wherein the fuel mixture is infused and thereby rendered more homogeneous.

No. of Pages : 100 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1159/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS OF CONFIRMING RECEPTION OF CLEAR-TO-SEND FRAME FOR VIRTUAL CARRIER SENSING□

(51) International classification	:H04W 74/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/263,248	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:20/11/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/057517	United States of America
Filing Date	:19/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/063295	<b>1)JAIN Avinash</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ABRAHAM Santosh Paul</b>
Filing Date	:NA	<b>3)SAMPATH Hemanth</b>
(62) Divisional to Application Number	:NA	<b>4)TAGHAVI NASRABADI Mohammad Hossein</b>
Filing Date	:NA	

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for reserving a communication medium by a wireless node when another wireless node out of range of the wireless node is transmitting.

No. of Pages : 44 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1222/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN EAR MOULD AND HEARING AID WITH OPEN IN-EAR RECEIVING DEVICE

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(51) International classification	:H04R 25/00
(31) Priority Document No	:201010112613.6
(32) Priority Date	:25/01/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/001081
Filing Date	:19/07/2010
(87) International Publication No	:WO/2011/088600
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)JIANGSU BETTERLIFE MEDICAL CO. LTD**

Address of Applicant :No. 15 Fuhua Road Changshu Economic Development Zone Jiangsu 215500 China

(72)Name of Inventor :

**1)ZHAO David Yong**

**2)ZHAO Jennifer Jinping**

(57) Abstract :

An ear mold is disclosed for cooperating with a receiver-in-the-canal of a hearing aid, which comprises an ear mold head and a sound transmission device connected thereto. The sound transmission device is used to connect to the speaker of the hearing aid, and the head and the device are integrated, wherein the end of the device connected to the hearing aid is elastic, and the connecting portion between the device and the head is flexible. A corresponding open receiver-in-the-canal hearing aid is also disclosed for assisting the receiver-in-the-canal of the hearing aid in locating and transmitting sound in the ear canal, and improving the effective output power of the hearing aid.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/01/2012

(21) Application No.2921/MUM/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A GAME SIMULATOR FOR A REAL LIFE CRICKET EXPERIENCE

(51) International classification	:G09G 5/00	(71) <b>Name of Applicant :</b> <b>1)MORAKHIA, SHRIPAL SEVANTILAL</b> Address of Applicant :161,STARCITY CINEMA, 2nd FLOOR, MANMALA TANK ROAD,MAHIM(WEST), MUMBAI-400 016,MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)MORAKHIA, SHRIPAL SEVANTILAL</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a game simulator for a real life cricket experience. Main Features as shown in the participants use real equipment: bat; ball. The environment simulates a real cricket ground, through connecting real and virtual environments. The cricket environment allows real game play, but with an extension of actions into the virtual world to show the predicted outcomes of the real activity. The connection with reality engages real, filmed bowlers, delivering their typical range of characteristic balls. The virtual world compiles scores for participants. Game play scenarios have been embedded in the technology to deliver a realistic challenge allied to the real game integrated software tool to show performance, and comparative data between players and teams.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2012

(21) Application No.1085/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FIBROBLAST GROWTH PATTERNS FOR DIAGNOSIS OF ALZHEIMERS DISEASE

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(51) International classification	:G01N 33/50
(31) Priority Document No	:61/248,368
(32) Priority Date	:02/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051236
Filing Date	:02/10/2010
(87) International Publication No	:WO/2011/041761
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)BLANCHETTE ROCKEFELLER NEUROSCIENCES INSTITUTE**

Address of Applicant :8 Medical Center Drive Morgantown WV 26505-3409 United States Of America ..

(72)**Name of Inventor :**

**1)CHIRILA Florin Valentin**

**2)KHAN Tapan Kumar**

**3)ALKON Daniel L.**

(57) Abstract :

Methods of diagnosing Alzheimers disease are provided. At least five methods of diagnostic measurements are presented: Method 1 : Integrated score; Method 2: Average aggregate area per number of aggregates; Method 3: Cell migration analysis; Method 4: Fractal analysis; Method 5: Lacunarity Analysis. In certain embodiments, a sample of a subjects skin provides a network of fibroblasts that is imaged and a fractal dimension of the image is calculated. The fractal dimension can be compared to an aged- matched control (non-Alzheimers) database to determine if the subject has Alzheimers disease. The network of fibroblasts may be cultured in a matrix, for example in a protein

No. of Pages : 72 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1148/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FROST FREE SURFACES AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:F25D 21/06, C25D 11/04	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :UNILEVER HOUSE, B.D.SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI 400 099, MAHARASHTRA, INDIA
(31) Priority Document No	:PCT/CN2009/001242	
(32) Priority Date	:10/11/2009	
(33) Name of priority country	:PCT	
(86) International Application No	:PCT/CN2009/001242	
Filing Date	:10/11/2009	
(87) International Publication No	:WO/2011/057422	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Frost-free surfaces and methods for manufacturing such surfaces are described. The frost-free surfaces reduce ice build-up, prevent vapor condensation and reduce adhesion force between ice and a solid substrate. The surfaces can be on parts used in devices where superhydrophobic properties may be obtained post or during device manufacturing. The superhydrophobic properties are the result of aluminum oxide clusters made on such surfaces.

No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1149/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SKIN CARE COMPOSITIONS COMPRISING PHENOXYALKYL AMINES

(51) International classification	:A61K 8/41,A61K 8/49	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :UNILEVER HOUSE, B.D.SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI 400 099, MAHARASHTRA, INDIA
(31) Priority Document No	:12/614687	
(32) Priority Date	:09/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/EP2010/066603 :02/11/2010	(72) <b>Name of Inventor :</b> <b>1)ROSA JOSE GUILLERMO</b> <b>2)HARICHIAN BIJAN</b> <b>3)BAJOR JOHN STEVEN</b> <b>4)BOSKO CAROL ANN ETTE</b> <b>5)DRENNAN DIANA JEAN</b> <b>6)NIP JOHN CHUN-SING</b>
(87) International Publication No	:WO/2011/054804	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Skin care compositions comprising certain phenoxyalkylamines, which are particularly beneficial for skin lightening and achieving evenness of color, especially for face and underarm skin.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1214/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPOUNDS

(51) International classification	:C07D 487/04
(31) Priority Document No	:0918249.4
(32) Priority Date	:19/10/2009
(33) Name of priority country	:GB
(86) International Application No	:PCT/EP2010/065746
Filing Date	:19/10/2010
(87) International Publication No	:WO/2011/048111
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RESPIVERT LIMITED**

Address of Applicant :50-100 HOLMERS FARM WAY  
HIGH WYCOMBE BUCKINGHAMSHIRE HP12 4EG UNITED KINGDOM

(72)Name of Inventor :

**1)KING-UNDERWOOD, JOHN**

**2)ITO, KAZUHIRO**

**3)MURRAY, PETER, JOHN**

**4)HARDY, GEORGE**

**5)BROOKFIELD, FEDERICK, ARTHUR**

**6)BROWN, CHRISTOPHER, JOHN**

---

(57) Abstract :

The present invention relates to compounds of formula (I) and to compositions comprising the same and to the use of the compounds and their 10 compositions in treatment, for example in the treatment of inflammatory diseases, in particular respiratory inflammatory disease. The invention also extends to methods of making said compounds.

No. of Pages : 114 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.338/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PERSONAL ASSISTANCE SYSTEM IN A MOTOR VEHICLE

(51) International classification	:G07C 5/00	(71) <b>Name of Applicant :</b> <b>1)MAHINDRA &amp; MAHINDRA LIMITED</b> Address of Applicant :R & D CENTER, AUTOMOTIVE SECTOR, 89, M.I.D.C. SATPUR, NASHIK-422 007, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DESHPANDE, SHRIKANT SUDHAKAR</b>
(87) International Publication No	:N/A	<b>2)AJAYDAS, CHINTHAKINDI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JAYAKRISHNA, MATTA</b>
Filing Date	:NA	<b>4)ARAVAPALLI, SRINIWAS</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention, relates to the personal assistance system in a vehicle. The said system comprises an electronic control unit provided with a voice activated controls; processing unit, Bluetooth enabled audio system, speakers and the driver's mobile phone. The driver's mobile phone has to be paired with the audio system through Bluetooth. The control processing unit is characterized to automatic speech recognition, text to speech recognition functionality, coding and decoding of the input and output signals to deliver the required functionality as assistance to the driver while driving a vehicle. The system of the invention has in built intelligence by which it continuously monitor the driving pattern of driver & based on this system decides driving mode either driver is in comfort or busy mode. With this intelligence in system, system is able to decide on following functionalities.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1086/MUMNP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : CARRIER FOR OLEFIN POLYMERIZATION CATALYST&NBSP; PREPARATION METHOD AND APPLICATION THEREOF□

(51) International classification	:C08F 4/02	(71)Name of Applicant :
(31) Priority Document No	:200910235562.3	<b>1)CHINA PETROLEUM &amp; CHEMICAL CORPORATION</b> Address of Applicant :22A Chaoyangmenbei Street Chaoyang District Beijing 100728 China China
(32) Priority Date	:16/10/2009	<b>2)BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CHINA PETROLEUM &amp; CHEMICAL CORPORATION</b>
(33) Name of priority country	:China	(72)Name of Inventor :
(86) International Application No	:PCT/CN2010/001632	<b>1)LI Weili</b>
Filing Date	:18/10/2010	<b>2)XIA Xianzhi</b>
(87) International Publication No	:WO/2011/044761	<b>3)LIU Yuexiang</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ZHANG Jigui</b>
Filing Date	:NA	<b>5)QIAO Suzhen</b>
(62) Divisional to Application Number	:NA	<b>6)ZHAO Jin</b>
Filing Date	:NA	<b>7)GAO Ping</b>
		<b>8)WANG Xinsheng</b>
		<b>9)TAN Yang</b>
		<b>10)ZHANG Zhihui</b>
		<b>11)YANG Linna</b>
		<b>12)DUAN Ruilin</b>
		<b>13)PENG Renqi</b>

(57) Abstract :

A spherical magnesium compound comprises the reaction product of no less than the following components: (a) magnesium halide having the formula MgX<sub>2</sub>-nR<sub>n</sub>, in which X is, independently, chloride or bromine, R is C<sub>1</sub>-C<sub>14</sub> alkyl, C<sub>6</sub>-C<sub>14</sub> aryl, C<sub>1</sub>-C<sub>14</sub> alkoxy or C<sub>6</sub>-C<sub>14</sub> aryloxy, and n is 0 or 1; (b) alcohol compound; and (c) epoxide having formula (□), in which R<sub>2</sub> and R<sub>3</sub> are, independently, hydrogen, C<sub>1</sub>-C<sub>5</sub> linear or branched alkyl, or C<sub>1</sub>-C<sub>5</sub> linear or branched alkyl halides. The magnesium compound has characteristic DSC curve and X-Ray Diffraction pattern, and can be used as a carrier for olefin polymerization catalyst.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1150/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SUBSTITUTED 3-(PHENOXYMETHYL) BENZYL AMINES AND PERSONAL CARE COMPOSITIONS

(51) International classification	:C07C 217/48
(31) Priority Document No	:12/614731
(32) Priority Date	:09/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/066607
Filing Date	:02/11/2010
(87) International Publication No	:WO/2011/054805
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)HINDUSTAN UNILEVER LIMITED**

Address of Applicant :UNILEVER HOUSE, B.D.SAWANT MARG, CHAKALA, ANDHERI EAST, MUMBAI 400 099, MAHARASHTRA, INDIA

(72)**Name of Inventor :**

**1)ROSA JOSE GUILLERMO**

**2)HARICHIAN BIJAN**

**3)BAJOR JOHN STEVEN**

**4)BOSKO CAROL ANN ETTE**

**5)DRENNAN DIANA JEAN**

**6)NIP JOHN CHUN-SING**

---

(57) Abstract :

Certain novel substituted 3-(phenoxyethyl) benzyl amines and personal care compositions comprising such, which are particularly beneficial for skin lightening and achieving evenness of color, especially for face and underarm skin.

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1151/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MGLU2 AGONISTS□

(51) International classification	:C07D 249/10
(31) Priority Document No	:09382290.6
(32) Priority Date	:21/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/060371
Filing Date	:15/12/2010
(87) International Publication No	:WO/2011/084437
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ELI LILLY AND COMPANY**

Address of Applicant :Lilly Corporate Center City of Indianapolis State of Indiana United States of America

(72)Name of Inventor :

**1)MONN James Allen**

**2)PRIETO Lourdes**

**3)TABOADA MARTINEZ Lorena**

**4)MONTERO SALGADO Carlos**

**5)SHAW Bruce William**

---

(57) Abstract :

The present invention provides novel mGlu2 agonists useful in the treatment of bipolar disorder, schizophrenia, depression, and generalized anxiety disorder. The novel agonists are represented by the formula.

No. of Pages : 48 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1218/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : USE OF HOT GASES AND DEVICES

(51) International classification	:F01N 5/02
(31) Priority Document No	:201610
(32) Priority Date	:18/10/2009
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2010/000852
Filing Date	:18/10/2010
(87) International Publication No	:WO/2011/045799
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)HIRSHBERG Israel**

Address of Applicant :24 Livne St. Alfei Menashe 44851  
Israel

(72)Name of Inventor :

**1)HIRSHBERG Israel**

(57) Abstract :

A method of increasing internal combustion engine efficiency is based on using engine cooling air and exhaust gas by flowing this mixture into a convergent nozzle thus accelerating the gas mixture and eject it through nozzle exit, thus generating thrust in a desired direction which could push a land air or sea vehicle. Another option is to use the accelerated gas to drive a turbine that could add its torque to the engine or to drive electrical generator that produces electricity. Figure 1 is the representative figure.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1219/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACCOMMODATIVE INTRAOCULAR LENS DRIVEN BY CILIARY MASS

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(51) International classification

:A61F 2/16

(31) Priority Document No

:2003816

(32) Priority Date

:17/11/2009

(33) Name of priority country

:Netherlands

(86) International Application No

:PCT/NL2010/050766

Filing Date

:17/11/2010

(87) International Publication No

:WO/2011/062486

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

The invention relates to an intraocular accommodative lens, comprising an optical arrangement and haptics, the lens being adapted for variable focusing by movement of at least one part of the optical arrangement by at least one of the haptics, wherein the haptics comprise a part adapted to transfer a movement from the ciliary mass to the optical arrangement. This forms an attractive way of driving the variable lens, in particular for locations of the lens avoiding the capsular bag.

No. of Pages : 10 No. of Claims : 8

(71)Name of Applicant :

**1)AKKOLENS INTERNATIONAL B.V.**

Address of Applicant :Overaseweg 9 NL-4836 BA Breda Netherlands.

(72)Name of Inventor :

**1)SIMONOV Aleksey Nikolaevich**

**2)ROMBACH Michiel Christiaan**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/02/2012

(21) Application No.376/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : FIELD COLLECTION DEVICE TRACKING

(51) International classification	:G08B 23/00	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MANI Jayasekar</b>
(87) International Publication No	: NA	<b>2)SINGH Rajesh Ramnath</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

System(s) and method(s) for field collections and tracking of field collection devices are described herein. In an implementation, a field collection device tracking system (102) may authenticate a field collector based on login details received from a field collection device (104). Based on the authentication, the field collection device tracking system (102) may communicate information associated with a field collection activity for at least one customer to the field collection device (104). Subsequent to the communication of the information, the field collection device tracking system (102) may track a location of the field collection device (104) and monitor at least one status attribute of the field collection device (104). The at least one status attribute includes a battery status of the field collection device (104).

No. of Pages : 35 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.1154/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ELECTRONIC COUNTER MEASURE SYSTEM

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(51) International classification	:G01S 7/38
(31) Priority Document No	:204908 (IL)
(32) Priority Date	:08/04/2010
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2011/000292
Filing Date	:06/04/2011
(87) International Publication No	:WO/2011/125060
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)ELBIT SYSTEMS EW AND SIGINT - ELISRA LTD.**  
Address of Applicant :48 Mivtza Kadesh Street 51203 Bene Israel

(72)**Name of Inventor :**

**1)MANELA Reuel  
2)RAYBEE Arye  
3)KANTER Eran  
4)BLANK David**

(57) Abstract :

A tactical electronic counter measure system comprising a first retro-directional transceiver sub system receiving signals at a first frequency band and first retro-directional transceiver re transmitting a signal at least substantially toward the direction from which the sources signal was received and first retro directional transceiver sub system including a plurality of blade antennas and a controller coupled with and first retro-directional transceiver and controller controlling the activity of and first retro directional transceiver sub system and controller further managing the missions of and first retro directional transceiver sub system.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1220/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROLINE DERIVATIVES

(51) International classification	:C07D 417/14
(31) Priority Document No	:61/266,584
(32) Priority Date	:04/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058672
Filing Date	:02/12/2010
(87) International Publication No	:WO/2011/068941
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)National Health Research Institutes

Address of Applicant :No. 35 Keyan Road Zhunan Town  
Miaoli County Taiwan 350 Taiwan.

(72)Name of Inventor :

1)CHERN Jyh-Haur

2)CHAO Yu-Sheng

(57) Abstract :

Compounds of formula (I) shown in the specification. Also disclosed is a method for treating hepatitis C virus infection with these compounds.

No. of Pages : 60 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1221/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A UNIVERSAL FLEXIBLE IN-THE-EAR HEARING AID

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(51) International classification	:H04R 25/02
(31) Priority Document No	:201010224592.7
(32) Priority Date	:13/07/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/001080
Filing Date	:19/07/2010
(87) International Publication No	:WO/2012/006761
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)JIANGSU BETTERLIFE MEDICAL CO. LTD**

Address of Applicant :No. 15 Fuhua Road Changshu Economic Development Zone Jiangsu 215500 China

(72)Name of Inventor :

**1)ZHAO Yong David**

**2)ZHAO Jennifer Jinping**

(57) Abstract :

The flexible general type interior ear audiphone (1) includes front portion, middle portion and the rear portion of the audiphone. The front portion of the audiphone includes speaker (17), and the rear portion of the audiphone includes body (11), and the middle portion of the audiphone includes the sound conduction device. The sound conduction device is flexibility or flexible coupling device, and one end of the flexible coupling device is connected with the front portion of the audiphone, and the other end is connected with the rear portion of the audiphone. The audiphones (1) can all be put in the ear and is disguised well, remains the elastic contact with the auditory duct, and the front portion of the audiphone can be put in the deep duct that is close to human eardrum in the ear, wears comfortable and stable, and when wearing the circulation of air in the ear is well and can wear for a long time without perspiring, effectively reduces feedback and black-out effect, and the sound of conduction is clear, and the gain loss is little, is a flexible general type interior ear audiphones which is fit for any audition disable patient used.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/02/2012

(21) Application No.3115/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A NOVEL DEVICE FOR EFFICIENT EXTRATCTION OF ENERGY FROM WIND AND WATER STREAMS.

(51) International classification	:F03D11/00	(71) <b>Name of Applicant :</b> <b>1)SANE, SHRIKRISHNA KASHINATH</b> Address of Applicant :601,SHIVNERI, IIT BOMBAY STAFF CO-OPERATIVE HOUSING SOCIETY LTD, KOPRI, POWAI,PO:IIT POWAI, MUMBAI PIN: 400076 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)SANE, SHRIKRISHNA KASHINATH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A novel device for efficient extraction of energy from wind and water streams for the conversion into mechanical energy is disclosed. The device consists of semi-circular or symmetric airfoil shaped blade elements which minimize the wind/water resistance while moving in opposite direction to the wind/water stream. The semi-circular or symmetric airfoil shaped blade elements allow the wind/water to leak through it thereby minimizing the resistance of wind/water stream.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2012

(21) Application No.581/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PHOTOCATALYTIC COMPOSITE LAYER COATING

(51) International classification	:B01J 35/02	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SHUKLA GAURAV</b>
(87) International Publication No	:N/A	<b>2)ROY PRADIP</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composite layer coating to enhance photocatalytic activity; said composite layer coating comprising : a. First layer comprising anatase metal doped nano-Ti02 /β-zeolite on the outer surface of a substrate; said layer having thickness in the range of 1 to 3 μm; and b. Second layer comprising energy storage material like W03 or Ni(OH)2 on top of the first layer said second layer having a thickness in the range of 50 to 300 nm.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1106/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM FOR MANAGING SECURITY UNIT ASSOCIATED WITH INTELLECTUAL PROPERTY ASSETS

(51) International classification	:G06F 17/30	(71) <b>Name of Applicant :</b> <b>1)CHEE Chun Woei</b> Address of Applicant :34 Craig Road 13-01 Chinatown Plaza Singapore 089673 Singapore
(31) Priority Document No	:NA	<b>2)HON TOW SIEW Mark</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)CHEE Chun Woei</b>
(86) International Application No	:PCT/SG2009/000425	<b>2)HON TOW SIEW Mark</b>
Filing Date	:13/11/2009	
(87) International Publication No	:WO/2011/059406	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A new method and system is presented for facilitating the lodgement storage issue custody record transfer and trade of one or more security units associated with intellectual property (IP) assets. The invention includes an input device for receiving a request for information from a querying device for assessment of the information on IP assets. The system has a querying mechanism for requesting and receiving information various third party devices. An output device of the system presents at information gathered from its database. In an embodiment of the system the information from the querying device is related to right-to-use encumbrances ownership and price of the trading security units on IP assets.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1107/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SERVER PROVIDING CONTENT UPLOAD SERVICE, AND TERMINAL AND METHOD FOR UPLOADING CONTENT□

(51) International classification	:G06Q 50/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0104010	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:30/10/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 443-742 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/007499	<b>1)LEE Keum-Koo</b>
Filing Date	:29/10/2010	<b>2)CHOO Hee-Jeong</b>
(87) International Publication No	:WO/2011/053030	<b>3)SUNG Ju-Yun</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KWAHK Ji-Young</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A server providing a content upload service, and a terminal and a method of uploading content, wherein the server includes a communication unit that communicates with a user terminal; a storage unit that stores information about an Application Programming Interface (API) of a site for uploading content; and a controller that provides, to the user terminal, information about upload properties of at least one site to which a user desires to upload content, based on the information about the API.

No. of Pages : 34 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.1108/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HARDEDEN WAVE-GUIDE ANTENNA

(51) International classification	:H01Q 1/00, H01Q 1/32	(71) <b>Name of Applicant :</b> <b>1)ELTA SYSTEMS LTD.</b> Address of Applicant :100 YITZCHAM HANASSI BLVD. P.O.B. 330 77102 ASHDOD, ISRAEL
(31) Priority Document No	:201812	
(32) Priority Date	:29/10/2009	
(33) Name of priority country	:Israel	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IL2010/000829	<b>1)MISHAN, SHAUL</b>
Filing Date	:12/10/2010	<b>2)BAUER, REUVEN</b>
(87) International Publication No	:WO/2011/051931	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An antenna element (10) and a phased array antenna comprising a plurality of such antenna elements are described. The antenna element includes a waveguide (11) configured for operating in a below-cutoff mode and having a cavity (13), an exciter (12) configured for exciting the waveguide, and a shield (17). The shield includes a holder (171) arranged within the cavity, and a front plate (172) mounted on the holder and disposed over at least a part of the exciter.

No. of Pages : 41 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1175/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RUBBER COMPOSITION FOR TIRES AND PNEUMATIC TIRE

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(51) International classification	:C08L 9/00,C08K 5/09
(31) Priority Document No	:2009-264246
(32) Priority Date	:19/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/069997
Filing Date	:10/11/2010
(87) International Publication No	:WO 2011/062099
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)SUMITOMO RUBBER INDUSTRIES, LTD.**

Address of Applicant :6-9, WAKINOHAMA-CHO 3-CHOME, CHUO-KU, KOBE-SHI, HYOGO 6510072 JAPAN

(72)Name of Inventor :

**1)MINAGAWA, YASUHISA**

**2)HIRAYAMA, MICHIO**

(57) Abstract :

Disclosed is a rubber composition for tires which improves the reaction rate of a silane coupling agent and silica and can improve fuel economy and abrasion resistance. Also disclosed is a pneumatic tire which uses said rubber composition for tires in all members of the tire. The rubber composition for tires contains silica, a silane coupling agent, and at least one item selected from a group containing hydroxy acids, itaconic acid, and salts thereof.

No. of Pages : 50 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.595/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification	:A61K 9/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1514/MUM/2006
Filed on	:21/09/2006

**(71)Name of Applicant :**

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

**(72)Name of Inventor :**

- 1)DAUD ANWAR SIRAJ**
- 2)SHAMSUDDIN JAMALUDDIN**
- 3)VALI FAIZ ZAKIR**
- 4)HUSSAIN SHAKERA**
- 5)VALI MOHAMMED SALEH**

**(57) Abstract :**

Described is novel oral dosage form for administration of an extract of (i) Picrorhiza kurroa Royle ex Benth. extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.11%, and (ii) Phyllanthus niruri Linn, extract preferably taken as percentage of total final composition in the range of 0.2% to 20% more preferably to 2.36%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1166/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RESIN COMPOSITION AND ADHESIVE AGENT

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(51) International classification	:C08F 290/00
(31) Priority Document No	:2009-237801
(32) Priority Date	:14/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/067895
Filing Date	:12/10/2010
(87) International Publication No	:WO/2011/046120
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA**  
Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome  
Chuo-ku Tokyo 1038338 Japan

(72)Name of Inventor :

**1)Yuki HISHA**  
**2)Kimihiro YODA**

(57) Abstract :

Provided is a resin composition exhibiting high adhesive strength. The resin composition contains the following components (A) to (E). Component (A) is a (meth)acrylate having a dicyclopentenyl group; component (B) is a (meth)acrylate having a hydroxyl group; component (C) is a (meth)acrylate having a (meth)acryloyl group, and a diene structure or a diene structure added with hydrogen; component (D) is a silane coupling agent; and component (E) is a photopolymerization initiator. Moreover, the resin composition may contain a (meth)acrylic acid as component (F) and a polyvinyl alcohol as component (G).

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1167/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INHIBITORS OF DIACYLGLYCEROL ACYLTRANSFERASE□

(51) International classification	:C07D 487/04
(31) Priority Document No	:61/285,317
(32) Priority Date	:10/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059158
Filing Date	:07/12/2010
(87) International Publication No	:WO/2011/071840
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)Eli Lilly and Company**

Address of Applicant :Lilly Corporate Center City of Indianapolis State of Indiana 46285 United States of America.

**(72)Name of Inventor :**

**1)Macklin Brian ARNOLD**

**2)Emily Jane CANADA**

**3)Erik James HEMBRE**

**4)Jianliang LU**

**5)John Mehnert SCHAUS**

**6)Qing SHI**

**7)Thomas James BEAUCHAMP**

**8)John Robert RIZZO**

---

**(57) Abstract :**

This invention provides compounds of formula (I) : or a pharmaceutically acceptable salt thereof as inhibitors of diacylglycerol acyltransferase 1 (DGAT-1); as well as a method for treating obesity, a method for treating diabetes, and a pharmaceutical composition.

No. of Pages : 79 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1168/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DELAY TECHNIQUES IN ACTIVE NOISE CANCELLATION CIRCUITS OR OTHER CIRCUITS THAT PERFORM FILTERING OF DECIMATED COEFFICIENTS□

(51) International classification	:G10K 11/178
(31) Priority Document No	:12/621,156
(32) Priority Date	:18/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054147
Filing Date	:26/10/2010
(87) International Publication No	:WO/2011/062734
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America U.S.A.

(72)**Name of Inventor :**

**1)CHAN Kwokleung**

**2)LI Ren**

**3)PARK Hyun Jin**

---

(57) Abstract :

This disclosure describes circuit configurations that may be used for active noise cancellation in the digital domain. In particular, this disclosure proposes the use a down sample unit and an up sample unit, rather than memory based delay circuits, to achieve one or more desired delays in digital adaptive noise cancellation circuits or other circuits that use delay for signal processing. The delay achieved by the down sample unit and the up sample unit may be tunable so as to allow flexibility in producing the necessary delay for different active noise cancellation circuit configurations. Many different adaptive noise cancellation circuit configurations are discussed, and the techniques may also be useful for other types of circuits, such as low-latency equalization circuits.

No. of Pages : 58 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/01/2012

(21) Application No.2788/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : THIN FINNED FINTUBE HEAT EXCHANGER AND METHOD TO MANUFACTURE THE SAME.

(51) International classification	:F28D 1/00	(71) <b>Name of Applicant :</b> <b>1)SHRIKANT RAGHUNATH ACHARYA</b> Address of Applicant :4,ABHISHEK,PLOT NO.178,S.NO.96/97/2,BHUSARI COLONY,PUNE 411038,MAHARASHTRA,INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SHRIKANT RAGHUNATH ACHARYA</b>
(87) International Publication No	:N/A	<b>2)AJINKYA SHRIKANT ACHARYA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VISHWANATH PANDURANG SOMAN</b>
Filing Date	:NA	<b>4)SANTOSH GOVIND GAIKWAD</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A thin finned fintube heat exchanger is disclosed which comprises a plurality of thin plate fins set at predetermined pitch and frequency along a thermal fluid conduit defining optimal heat transfer efficiency at minimum volume, costs of assemblage and operations.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.598/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification	:A61K 9/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1514/MUM/2006
Filed on	:21/09/2006

**(71)Name of Applicant :**

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

**(72)Name of Inventor :**

- 1)DAUD ANWAR SIRAJ**
- 2)SHAMSUDDIN JAMALUDDIN**
- 3)VALI FAIZ ZAKIR**
- 4)HUSSAIN SHAKERA**
- 5)VALI MOHAMMED SALEH**

**(57) Abstract :**

Described is novel oral dosage form for administration of an extract of (i) Cassia angustifolia Vahl. extract preferably taken as percentage of total final composition in the range of 0.5% to 15% more preferably to 3.44%, (ii) Glycyrrhiza glabra Linn, extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.16%, (iii) Zingiber officinale Roxb. extract preferably taken as percentage of total final composition in the range of 0.1% to 9% more preferably to 0.92%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1055/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LINEAR REPULSION TYPE CONTACT SYSTEM

---

(51) International classification	:H01H5/06	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400001, STATE OF MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KASIVISWANADHAM P</b>
(87) International Publication No	:N/A	<b>2)DALMIA SANDEEP</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The present invention generally relates to the field of circuit breaking devices. More particularly the present invention relates to an improved contact arrangement for circuit breakers. It provides a linear repulsion type contact system to provide enhanced arcing performance in circuit breakers. In this invention orientation of runners with respect to arc disposition creates additional magnetic blow-out force on the arc thereby enabling substantial arc movement and elongation of the arc.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/05/2012

(21) Application No.1114/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF OPERATING A MEMORY DEVICE□

(51) International classification	:G11C 11/419
(31) Priority Document No	:12/617,305
(32) Priority Date	:12/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/056384
Filing Date	:11/11/2010
(87) International Publication No	:WO/2011/060172
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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United States of America

(72)**Name of Inventor :**

**1)CHO Sung II**

**2)YOON Sei Seung**

**3)GUNDUBOGULA Naveen**

**4)ABU-RAHMA Mohamed H.**

**5)PARK Dongkyu**

(57) Abstract :

A system and method of operating a memory device is disclosed. In a particular embodiment, an apparatus is disclosed that includes a bit cell coupled to a first bit line and to a second bit line. The apparatus also includes a sense amplifier coupled to the first bit line and to the second bit line. The apparatus includes a loop circuit configured to provide a sense amplifier enable signal to the sense amplifier in response to receiving a first signal. The apparatus also includes a wordline enable circuit configured to provide a wordline enable signal to a wordline driver in response to receiving a second signal. The loop circuit receives the first signal before the wordline enable circuit receives the second signal.

No. of Pages : 39 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1181/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHODS AND APPARATUS FOR ASSISTING IN NETWORK DISCOVERY□

(51) International classification	:H04W 8/16
(31) Priority Document No	:61/263,258
(32) Priority Date	:20/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057338
Filing Date	:19/11/2010
(87) International Publication No	:WO/2011/063182
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

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United States of America

(72)**Name of Inventor :**

**1)SAMPATH Hemanth**

**2)JAIN Avinash**

**3)TAGHAVI NASRABADI Mohammad Hossein**

(57) Abstract :

A method assist in discovery of a directional communications network using an omni - directional communications network is provided. The method may comprise obtaining connectivity information using a first protocol (124) for one or more apparatuses, and establishing a session with one of the one or more apparatuses for directional communication using a second protocol (112), wherein the first protocol is different than the second protocol (112).

No. of Pages : 41 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.362/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : THERMO-REVERSIBLE POLYBUTADIENE RUBBER BLEND WITH SELF-HEALING NATURE

(51) International classification	:D01D 5/24	(71) <b>Name of Applicant :</b> <b>1)RELIANCE INDUSTRIES LIMITED</b> Address of Applicant :RELIANCE INDUSTRIES LTD., 3RD FLOOR, MAKER CHAMBER - IV, 222, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JASRA RAKSHVIR</b>
(87) International Publication No	:N/A	<b>2)MAITI MADHUCHHANDA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SRIVASTAVA VIVEK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a thermo-reversible and self-healing, blend comprising polybutadiene compounded with at least one ring opening agent and at least one ring compound containing at least one hetero-cyclic compound and at least one grafting enabling moiety, wherein the ring opening agent is capable of opening the ring compound to provide at least one open functional group to which the ring opening agent is capable of bonding, and wherein the ring compound is capable of grafting on the backbone of a polymer through the grafting enabling moiety. The present disclosure also relates to a process for preparing a thermo-reversible and self-healing blend and its use in preparing molded articles.

No. of Pages : 60 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2012

(21) Application No.620/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AUTOMATIC MULTIPLE METERS READING SYSTEM (AMMRS)

(51) International classification	:H04M 11/00	(71) <b>Name of Applicant :</b> <b>1)SUNESRA MOHAMMAD ISHHAK</b> Address of Applicant :204/A VRUNDAVAN COMPLEX, NAYA NAGAR, MIRA ROAD(E), THANE-401107. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	<b>2)SALDANHA SAVIO SAMSON DOMNIC</b>
Filing Date	:NA	<b>3)JANI VIMARSH ARUN</b>
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SUNESRA MOHAMMAD ISHHAK</b>
Filing Date	:NA	<b>2)SALDANHA SAVIO SAMSON DOMNIC</b>
(62) Divisional to Application Number	:NA	<b>3)JANI VIMARSH ARUN</b>
Filing Date	:NA	

(57) Abstract :

Automatic Multiple Meters Reading System (AMMRS) is an engineering solution to improve the method of meter reading. The principle benefit of the utilization of this telemetry system as a management tool is to increase business efficiency and substantially reduce operational costs. AMMRS is, in itself, a complete, robust and practical modern day telemetry solution to meter reading. Essentially, the hardware of AMMRS consists of microcontrollers and a computer. The number of microcontrollers can be determined by the number of Meters and Reader Units used. The software of AMMRS consists of a Graphical User Interface and Database to be installed in the computer to effectively operate the hardware in a user-friendly manner. Moreover, microcontrollers are programmed for the operation of Meters and Reader Units. The computer is considered to be a Collector Unit and it is used to send Request SMS of pre-determined format to a Reader Unit. Reader Unit accumulates the Meter Identification Numbers and Meter Readings from the Meters and sends them to Collector Unit as Data SMS. Also there are auxiliary features such as sending SMS containing customer current consumption information, due date reminder and balance enquiry' for prepaid connection.

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1207/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : N-TERMINAL AMINO ACID MODIFIED INSULINOTROPIC PEPTIDE DERIVATIVES□

(51) International classification	:C07K 14/65
(31) Priority Document No	:10-2007-0071071
(32) Priority Date	:16/07/2007
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2008/004170
Filing Date	:16/07/2008
(87) International Publication No	:WO/2009/011544
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:11/MUMNP/2010
Filed on	:04/01/2010

(71)Name of Applicant :

**1)HANMI HOLDING CO. LTD**

Address of Applicant :#45 Bangi-dong Songpa-gu Seoul  
138-828 Republic of Korea

(72)Name of Inventor :

**1)JUNG Sung Youb**

**2)LIM Chang Ki**

**3)SONG Dae Hae**

**4)BAE Sung Min**

**5)KIM Young Hoon**

**6)KWON Se Chang**

**7)LEE Gwan Sun**

(57) Abstract :

The present invention relates to an N-terminal amino acid-modified insulinotropic peptide having a high activity, and to a pharmaceutical composition comprising the same. The insulinotropic peptide derivatives according to the present invention exhibit therapeutic effects, which are not observed in native and other insulinotropic peptide analogs. Therefore, the insulinotropic peptide derivatives and the pharmaceutical composition comprising the same according to the present invention can be effectively provided for the treatment of the diseases.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/01/2012

(21) Application No.3334/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PROCESS FOR PRODUCT LIFE CYCLE MANAGEMENT

(51) International classification	:G06Q 10/00	(71) <b>Name of Applicant :</b> <b>1)AMITABH P. VAIDYA</b> Address of Applicant :#5, UPENDRA CO-OPERATIVE HOUSING SOCIETY, OPPOSITE PADALE PALACE,NAL STOP, ERANDWANA, KARVE ROAD, PUNE 411004. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AMITABH P. VAIDYA</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a system and process for product life cycle management. The system is capable of managing lifecycle of a product from its conception through design, manufacturing, servicing and disposal using hardware and software in combination. The process is easy to operate and enables developing a product in optimal cost. Further, the process reduces prototype costs, reduce wastage, and provide a frame work for product optimization. Furthermore, the process has ability to quickly identify potential sales opportunities and revenue contributions. The process integrates people, data, processes and business systems and provides a product information backbone for companies and their extended enterprise.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2012

(21) Application No.627/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR PRODUCTION OF MEMBRANE

(51) International classification	:C04B 41/45	(71) <b>Name of Applicant :</b> <b>1)YADAV GANPATI DADASAHEB</b> Address of Applicant :CHEMICAL ENGINEERING DEPARTMENT, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY), NATHALAL PAREKH MARG, MATUNGA (EAST) MUMBAI 400 019, INDIA Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)YADAV GANPATI DADASAHEB</b>
Filing Date	:NA	<b>2)KUNDE GAJANAN</b>
(62) Divisional to Application Number	:NA	<b>3)BABU C. ANAND</b>
Filing Date	:NA	

(57) Abstract :

Method for production of membrane having high strength enhanced thermal stability and chemical resistance is disclosed herein. Present method lowers the cost of manufacturing and provides wide range of pore sizes for membrane. Method comprises of steps of forming gel, casting of gel, heating of casted gel to form semidried film, sizing of semidried gel film, drying of semidried gel films between two porous transparent surfaces as sandwich under visible light source and further calcining dried film by placing it between two plain porous ceramic pieces to obtained membrane. The problem of deformation and cracking of membrane thin film from drying to calcination has been addressed effectively by application of drying and calcination . The obtained membrane can be with various pore sizes, thickness and shapes and dimensions and with various phases of alumina such as  $\gamma$ , $\theta$ , $\delta$  and a with controlled pore size distribution.

No. of Pages : 20 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2012

(21) Application No.628/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMBUSTION SYNTHESIS OF NANOCRYSTALLINE ALKALI AND ALKALINE EARTH METAL OXIDES OR MIXTURE THEREOF AND ITS APPLICATIONS

(51) International classification	:C30B29/10	(71) <b>Name of Applicant :</b> <b>1)YADAV GANPATI DADASAHEB</b> Address of Applicant :CHEMICAL ENGINEERING DEPARTMENT, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY), NATHALAL PAREKH MARG, MATUNGA (EAST) MUMBAI 400 019, INDIA Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	MATUNGA (EAST) MUMBAI 400 019, INDIA Maharashtra
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(62) Divisional to Application Number	:NA	<b>1)YADAV GANPATI DADASAHEB</b>
Filing Date	:NA	<b>2)SURVE PRASAD SATISH</b>

(57) Abstract :

The present invention relates to the development of Nano crystalline heterogeneous solid base catalyst comprising alkali and/or alkaline earth metal oxide and/or mixture thereof by self-propagating liquid combustion synthesis method wherein said catalyst composition possesses high catalytic activity. The particle size obtained is in the range of 10-20 nm. Nano crystalline nature increases catalytic activity of the said catalyst and catalyst has application in condensation and Trans esterification reactions. The process for the preparation comprises of various steps where dissolving, evaporation, combustion and calcination are the important steps.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.1199/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR CONTROLLING PHYTOPATHOGENIC MICROORGANISMS WITH SURFACE-MODIFIED, PARTICULATE COPPER SALTS

(51) International classification

:A01N 25/04

(31) Priority Document No

:09177760.7

(32) Priority Date

:02/12/2009

(33) Name of priority country

:EUROPEAN

UNION

(86) International Application No

:PCT/EP10/068354

Filing Date

:29/11/2010

(87) International Publication No

:WO 2011/067186

(61) Patent of Addition to Application Number:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)**Name of Applicant :**

**1)BASF SE**

Address of Applicant :67056 LUDWIGSHAFEN GERMANY

(72)**Name of Inventor :**

**1)SCHNEIDER, KARL-HEINRICH**

**2)KARPOV, ANDREY**

**3)VOSS, HARTWIG**

**4)DUNKER, SARAH**

**5)MERK, MICHAEL**

**6)KOPF, ALEXANDER**

**7)KONDO, SHOICHI**

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(57) Abstract :

The invention relates to a method for treating plant pathogenic microorganisms by treating the crop plants, soil, or plant reproductive material to be protected with an effective quantity of copper salt particles, comprising a water-soluble polymer and having a primary particle diameter of 1 to 200 nm. The invention further relates to an aqueous suspension of the above copper salt particles and the use of said suspension for protecting plants.

No. of Pages : 45 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/02/2012

(21) Application No.2305/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SPRAY JET DYEING MACHINE

(51) International classification	:D06B 3/28	(71) <b>Name of Applicant :</b> <b>1)SHAIWALE NIKHIL SATISH</b> Address of Applicant :NIKHIL SHAIWALE, A-13 PUSHPANJALI NIWAS, BAZARPETH; KALYAN (W) 421301.(MAHARASHTRA)-INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SHAIWALE NIKHIL SATISH</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is aimed at low expression dyeing with or without the use of padding technique to provide considerable savings in drying energy. It is a general object of the present invention to provide a new method and an apparatus for coloring textile material, with a reduced water consumption during application phase and energy consumption in drying phase, so as to reduce drying time of a process and increase production speeds with same drying arrangement. This invention also allows coloration of textile materials with fancy patterns that may be changed as per the need in addition to regular dyeing.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.738/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED DEVICE AND METHOD OF DE MASKING COMPONENT AFTER ITS PLATING PROCESS

(51) International classification	:A61B 19/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 State of Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MAKUNY Nikhil Jagadish;</b>
(87) International Publication No	: NA	<b>2)PANDA Deepak Kumar;</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JOGLEKAR Devendra Parshuram;</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved device of de-masking of masked components after its plating process, said method comprising a first means(10) , a second means (20) substantially connected with said first means (10) by way of a valve means (30) and a third means (40) containing de mineralized water ,said third means comprising an outlet means (50) to supply compressed air throughout and keep the said water in continuous agitated state adapted ensures that the component is cleaned of the de laminating solution layer that forms on the component and is made suitable for further plating/ assembly after drying. The first (10) and second means (20) comprises of the rinsing means and the ultrasonic means. Further the present invention relates to an improved method of de-masking of masked components after its plating process.

No. of Pages : 18 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.739/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED PHASE BARRIER ASSEMBLY FOR USE IN SWITCH DISCONNECTOR FUSES

(51) International classification	:H01H 85/54, H01H 9/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 State of Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)KUMAR Harshal;</b>
(33) Name of priority country	:NA	<b>2)SHETYE Ganesh;</b>
(86) International Application No	:NA	<b>3)AGARWAL Naveen;</b>
Filing Date	:NA	<b>4)BHANU Ashwin;</b>
(87) International Publication No	: NA	<b>5)SINHA Neeraj;</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved phase barrier assembly for use in switch disconnector fuses. The assembly comprises of at least of barrier means and at least one housing means. The barrier means comprises at least one block means (3) substantially positioned on lower/bottom side of said barrier means, at least one locking means (2) articulated at a predetermined position with said block means (3) having top surface and bottom surface; at least one arm means (1) operatively connected on the top surface of said locking means (2) , at least one handling means (4) positioned on the diametric side of said block means (3). The housing means comprises at least one slot means(6) , at least one locking means (5) such that said housing means is substantially located on the front of the switch disconnector fuses.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1158/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR VERIFICATION OF MEDICATION ADMINISTRATION  
ADHERENCE

(51) International classification	:A61B 5/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/620,686	<b>1)AI CURE TECHNOLOGIES LLC</b>
(32) Priority Date	:18/11/2009	Address of Applicant :122 West 27th Street 10th Floor New
(33) Name of priority country	:U.S.A.	York NY 10001 U.S.A.
(86) International Application No	:PCT/US2010/056935	(72) <b>Name of Inventor :</b>
Filing Date	:17/11/2010	<b>1)HANINA Adam</b>
(87) International Publication No	:WO/2011/062934	<b>2)KESSLER Gordon</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method of confirming administration of medication is provided. The method comprises the steps of receiving information identifying a particular medication prescription regimen, determining one or more procedures for administering such prescription regimen and identifying one or more activity sequences associated with such procedures. Activity sequences of actual administration of such prescription regimen are captured and then compared to the identified activity sequences to determine differences therebetween. A notice is provided if differences are determined.

No. of Pages : 87 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.592/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AMORPHOUS FORM OF APIXABAN

(51) International classification	:C07D 471/04	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :CADILA HEALTHCARE LTD; PLOT NO.26-29 & 31, DABHASA-UMARAYA ROAD, VILL. DABHASA-391 440, TAL. PADRA, DIST. VADODARA, GUJARAT, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)DWIVEDI SHRIPRAKASH DHAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SINGH KUMAR KAMLESH</b>
Filing Date	:NA	<b>3)GAJERA JITENDRA MAGANBHAI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an amorphous form of apixaban, process of preparation and compositions thereof.

No. of Pages : 26 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2011

(21) Application No.810/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMPROVED SYSTEM AND METHOD FOR SUBDING A CYCLONE

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(51) International classification	:G01W 1/00, G01W 1/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filed on	:84/MUM/2007 :16/01/2007
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

**1)DHANANJAY MARDHEKAR**

Address of Applicant :53/5 SANT NAGAR, SEVANAND SOCIETY, NEAR ARANYESHWAR, PUNE 411009, MAHARASHTRA, INDIA

**2)UMESH JOSHI**

(72)Name of Inventor :

**1)DHANANJAY MARDHEKAR**

**2)UMESH JOSHI**

(57) Abstract :

A novel technique for subduing/modifying a tropical cyclone by artificially introducing liquefied or solidified gas/air near the sea surface in the region of an active tropical cyclone. Introduction of liquefied or solidified gas in significant amounts cools the warm moist air and increases the pressure due to enormous expansion of the said gas. This increase in pressure, in turn, reduces natural suction of air from the nearby regions. All these simultaneous phenomena will interfere the vicious cycle of the energy engine of a tropical cyclone and subdue it.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2011

(21) Application No.811/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTI-LAYER NANOCOMPOSITE

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(51) International classification	:A61K 47/48, A61K9/14, A61K 9/50	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY</b> Address of Applicant :Powai Mumbai Maharashtra 400076 INDIA Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ROHIT SRIVASTAVA</b>
(33) Name of priority country	:NA	<b>2)DHIRENDRA BAHADUR</b>
(86) International Application No Filing Date	:NA	<b>3)MOHAMMED ASLAM</b>
(87) International Publication No	: NA	<b>4)SONARA DHIRENKUMAR KESHAVLAL</b>
(61) Patent of Addition to Application Number Filing Date	:NA	<b>5)ASIFKHAN S.</b>
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A multi-layer nanocomposite is provided. The nanocomposite includes a negatively charged polymer layer comprising a first drug and a positively charged polymer layer encapsulating the negatively charged polymer layer and comprising a second drug. The negatively charged polymer layer and the positively charged polymer layer are held together by electrostatic forces.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.868/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : GALVANIZED STEEL SHEET

(51) International classification	:C23C 28/00,B05D 7/14	(71) <b>Name of Applicant :</b> <b>1)JFE STEEL CORPORATION</b> Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan.
(31) Priority Document No	:2009-246819	(72) <b>Name of Inventor :</b>
(32) Priority Date	:27/10/2009	<b>1)MATSUDA Takeshi</b>
(33) Name of priority country	:Japan	<b>2)MATSUZAKI Akira</b>
(86) International Application No Filing Date	:PCT/JP2010/069233 :22/10/2010	<b>3)SASAKI Masato</b>
(87) International Publication No	:WO/2011/052701	<b>4)TAKASHIMA Katsutoshi</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)ANDO Satoru</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

There is provided a galvanized steel sheet that has various properties such as corrosion resistance and adhesion and allows for high conductivity at a low contact pressure. A first layer film is formed by applying a surface treatment solution having a pH of 8 to 10 onto the surface of the galvanized steel sheet and drying the surface treatment solution by heating, the surface treatment solution containing a water-soluble zirconium compound, a tetraalkoxysilane, an epoxy group-containing compound, a chelating agent, a silane coupling agent, vanadic acid, and a metal compound in a specific ratio. Subsequently, a second layer film is formed by applying a surface treatment solution containing an organic resin onto the surface of the first layer film and drying the surface treatment solution by heating.

No. of Pages : 125 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.928/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PYRIDO[4,3-B]INDOLES AND METHODS OF USE

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(51) International classification	:A01N 43/38
(31) Priority Document No	:61/245,140
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050078
Filing Date	:23/09/2010
(87) International Publication No	:WO/2011/038161
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

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Address of Applicant :201 Spear Street 3rd Floor San Francisco California 94105 United States of America..

(72)Name of Inventor :

**1)JAIN Rajendra Parasmal**

**2)CHAKRAVARTY Sarvajit**

(57) Abstract :

This disclosure relates to new heterocyclic compounds that may be used to modulate a histamine receptor in an individual. Pyrido[4,3-b]indoles are described, as are pharmaceutical compositions comprising the compounds and methods of using the compounds in a variety of therapeutic applications, including the treatment of a cognitive disorder, psychotic disorder, neurotransmitter-mediated disorder and/or a neuronal disorder.

No. of Pages : 166 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.1196/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : APPARATUS FOR CONTROLLING CENTER POSITION OF WEB

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(51) International classification	:B65H 23/038
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2010/054431
Filing Date	:16/03/2010
(87) International Publication No	:WO/2011/114441
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NIRECO CORPORATION

Address of Applicant :2951-4 Ishikawa-Machi Hachioji City  
Tokyo Japan

(72)Name of Inventor :

1)Yoshitaka OTA

2)Yoshiaki KON

(57) Abstract :

Disclosed is a web center position control device which is capable of eliminating the offset generated in web conveyance. Specifically disclosed is a web center position control device (100) which comprises a center position control device (110), a first sensor (121) for detecting the actual center position of a web (800) in the widthwise direction, a second sensor (122) for detecting the actual center position of the web in the widthwise direction closer to the downstream side than the first sensor, and a control device (130) for controlling the operation of the center position control device. The control device computes first deviation and second deviation from the detection values of the first sensor and the second sensor, computes a first computing value from the second deviation on the basis of formula (1), and adds the first computing value to the first deviation for each control unit time until the second deviation reaches zero. First computing value = D/T — C1 (1) D: Second deviation T: The value obtained by dividing the distance between the first sensor and the second sensor by the conveyance speed of the web (time) C1: Constant

No. of Pages : 51 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2012

(21) Application No.2175/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VARIABLE CIRUMFERENCE OF BLADES FOR VERTICAL AXIS WIND TURBINE

(51) International classification	:F03D 3/00	(71) <b>Name of Applicant :</b> <b>1)PAWAR PRAKASH PRABHAKAR</b> Address of Applicant :CHANDAN NAGAR,NAGAR RD.PUNE 411014 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PAWAR PRAKASH PRABHAKAR</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates generally to the wind turbines employed for generating power. More particularly, vertical-axis wind turbine with variable circumference of its blades and methods of using same are provided for efficiently generating electrical power. Present invention provides a wind turbine with vertical axis having variable circumference of blades comprising, sleeve (02), helical gears (04), anemometer (06), threaded part (08), screw type arm (10), independent shaft (12), hollow shaft (14), wind catching elements (16), motor (18), alternator (20), arms (22) and differential gear box (24) wherein said anemometer (06) takes the readings as wind velocity increases and accordingly said motor (18) drives said independent shaft (12) to rotate said screw type arm (10) and upon their rotation, the threaded part (08) moves outwards and the wind catching element (16) also move simultaneously because it is fitted to said threaded part (08) and further when wind catching elements (16) moves outwards, the circumference increases because of which the rpm of the turbine is maintained as per desired value even if wind velocity increases.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.997/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HYDROCARBONS□

(51) International classification	:E21B 43/12, C09K 8/588	(71) <b>Name of Applicant :</b> <b>1)OILFLOW SOLUTIONS HOLDINGS LIMITED</b> Address of Applicant :c/o Fairhurst Douglas Bank House Wigan Lane Wigan Lancashire WN1 2TB United Kingdom
(31) Priority Document No	:0918051.4	(72) <b>Name of Inventor :</b>
(32) Priority Date	:15/10/2009	<b>1)FLETCHER Philip</b>
(33) Name of priority country	:U.K.	<b>2)CRABTREE Michael John</b>
(86) International Application No	:PCT/GB2010/051727	<b>3)DALLISON Steven</b>
Filing Date	:13/10/2010	<b>4)PIDGEON Patrick</b>
(87) International Publication No	:WO/2011/045603	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An oil production arrangement comprises an oil reservoir (4), a horizontal wellbore (6) and a vertically extending production well (8). A pump (10) is positioned at the bottom of the production well (8) for pumping fluid along the horizontal wellbore and up the production well for recovery. Tubing (12) having a fluid delivery device (14) at its end is introduced into the production well and moved downwards past the pump (10) and along the horizontal wellbore as far as possible for example close to the toe (not shown) of the wellbore or at least beyond a point in the wellbore at which it is assessed that the hydrocarbon flow has terminated because of a balance between reservoir pressure and wellbore differential pressure being achieved. From the start (or for example as soon as the tubing (12) enters the vertical annular gap between the product well and production tube) of introduction of tubing (12) into the production well and continuously thereafter a fluid is pumped through the tubing so it passes into the production well (8) as the tubing passes therethrough and into the horizontal wellbore (6) as the tubing passes therethrough. The fluid is still pumped into the horizontal wellbore after the tubing has reached its final position deep in the wellbore. The fluid is selected to enhance the mobility of oil and therefore increase the oil production rate.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/01/2012

(21) Application No.3703/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TWO STAGE DUAL MASS FLYWHEEL WITH LOCK-UP MECHANISM FOR AUTOMOTIVE VEHICLE

(51) International classification	:F16D 3/14	(71) <b>Name of Applicant :</b> <b>1)MAHINDRA &amp; MAHINDRA LIMITED</b> Address of Applicant :R & D CENTER, AUTOMOTIVE SECTOR, 89, M.I.D.C. SATPUR, NASHIK-422 007, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PAUL CHERUKUNNATH ISAC</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The invention relates to two stage dual mass flywheel with lock-up mechanism for automotive vehicle comprising a dual mass flywheel consists of a Primary mass (A), Main Bearing (B), Arc Springs/Energy Storage device(C), Flange (D), Primary Cover (E) and the Secondary Mass (F). An improvement is made so that the said primary and secondary masses during cranking and stopping the said spring operation is arrested due to primary and secondary mass lock up by the external clamp mechanism to hold the said mass fly together during cranking and stopping. Another improvement is done an internal centrifugal clutch locking mechanism. More efficient improvement is done by providing combination of external holding mechanism and internal holding mechanism.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2012

(21) Application No.583/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PHARMACEUTICAL ANTIRETROVIRAL COMPOSITIONS

(51) International classification	:A61K 31/4725	(71) <b>Name of Applicant :</b> <b>1)CIPLA LIMITED</b> Address of Applicant :MUMBAI CENTRAL, MUMBAI-400 008, MAHARASHTRA. INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a pharmaceutical antiretroviral composition comprising lamivudine, festinavir and nevirapine. to a process for preparing such a composition and to the use of such a composition for the treatment and/or prophylaxis of diseases caused by retroviruses, especially acquired immune deficiency syndrome or an HIV infection.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.312/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED PULSATILE DRUG DELIVERY SYSTEM

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(51) International classification	:A61K31/18	(71) <b>Name of Applicant :</b> <b>1)MRS. DEEPALE V KADUSKAR</b> Address of Applicant :1-C BHAVINI ENCLAVE, OFF CHAPHEKAR BANDHU MARG, NEXT TO NEETA APT MULUND (EAST), MUMBAI 400081 Maharashtra India <b>2)DR. (MRS.) BALA PRABHAKAR</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)MRS. DEEPALE V KADUSKAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention deals with Pulsatile Drug Delivery System (PDDS) and in particular deals with improved ' core in cup' pulsatile release tablets for NSAIDs like meloxicam. Hydrophilic polymer, polyethylene oxide (PEO) and hydrophobic polymer, Cellulose acetate propionate (CAP) were used to develop core in cup type tablet. . The swellable top layer was prepared by using polyethylene oxide and stearic acid in different proportions. This top layer controls the lag time to get optimum lag time for chronotherapy of RA. Addition of stearic acid in the appropriate percentage provides unique advantages.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/01/2012

(21) Application No.3415/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CLEAR, NATURAL PH LIQUID DELIVERY SYSTEM FOR ACYL ISETHIONATE.

(51) International classification	:C11D 1/88	(71) <b>Name of Applicant :</b> <b>1)GALAXY SURFACTANTS LTD.</b> Address of Applicant :C-49/2, TTC INDUSTRIAL AREA, PAWNE, NAVI MUMBAI-400 703 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JAWALE, ARUN HARACHANDRA</b>
(87) International Publication No	: NA	<b>2)JUMDE, VAISHALI AMOL</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VAIDYA, POOJA DINKAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surfactant composition comprising: a. 1 to 20% of at least one fatty acyl isethionate compound; b. 0.1% to 10% of at least one acyl glycinate compound; c. 0.1% to 20% of at least one alkyl betaine compound; and, d. 60% to 98.8% of water. wherein the weight ratio of fatty acyl isethionate to acyl glycinate and alkyl betaine is in the range of 1:0.1 to 1:1 and the composition is clear, concentrated and flowable at and below 25°C and pH at and below 6.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/02/2011

(21) Application No.379/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FERTILIZER APPLICATION DEVICE FOR SMALL SUGARCANE FARMERS

(51) International classification	:A01C 23/00, A01C 17/00	(71) <b>Name of Applicant :</b> <b>1)BHATTE MUKTESH JAYANDRA</b> Address of Applicant :B-202, SAI AASHA DAYA, NEAR JAIN TEMPLE, NEELAM NAGAR PH-2, MULUND (E), MUMBAI - 400 081 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)BHATTE MUKTESH JAYANDRA</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract A Fertilizer Application Device for small sugarcane farmers is a device which will assist the Small Sugarcane farmers in applying fertilizer at the required depth and in appropriate quantities. This will help in increasing the yield of the crop, reducing the pollution, wastage fertilizers, time and the physical strain on the farmer. The device will be sturdy enough to withstand the harsh terrain of the farm and it will be easily manoeuvrable through narrows space.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.590/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INTEGRATED INDUCTIVE LOAD SYSTEMS WITH BI-DIRECTIONAL SWITCHING TRANSFORMER

(51) International classification	:H02H 7/00	(71) <b>Name of Applicant :</b> <b>1)PRATIP PATEL</b> Address of Applicant :PO BOX 25, IN PARA OPP. AMBAJI TEMPLE PO: CHIKHODRA, PIN - 388 320, DIST: ANAND, GUJARAT, INDIA <b>2)YAGNESH SHUKLA</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PRATIP PATEL</b> <b>2)YAGNESH SHUKLA</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the present era when society is using and enjoying the modern upgraded technologies then without paying any extra cost and with the help of the present invention. Thus the novel invention is a technology based on three phase inductive load system (ILS) using bidirectional switching transformer (BST) where Proposed BST contain primary bidirectional switch, high frequency isolation transformer (HIT), matching coil, and inductive load system. Additionally, this new topology provides high power density due to the minimization of magnetic components and the full utilization of ILS. BST are controlled high frequency voltage source to supply inductive load through a matching coil and the simulation results show the good performance of proposed circuit and verify the mathematical analysis.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1203/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HYDROPHILIC FILTRATION DURING MANUFACTURE OF VACCINE ADJUVANTS

(51) International classification	:A61K 9/107
(31) Priority Document No	:61/283,517
(32) Priority Date	:03/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/003273
Filing Date	:03/12/2010
(87) International Publication No	:WO 2011/067669
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)NOVARTIS AG**

Address of Applicant :LICHTSTRASSE, CH-4056 BASEL  
SWITZERLAND

(72)Name of Inventor :

**1)KRAUS, GOTTFRIED**

**2)ESKES, ROBERT**

---

(57) Abstract :

Abstract: An improved method for the manufacture of an oil-in-water emulsion involves three procedures: (i) preparation of a preliminary emulsion; (ii) micro fluidization of the preliminary emulsion to reduce its droplet size; and (iii) filtration of the microfluidized emulsion through a hydrophilic membrane. The emulsions are useful as vaccine adjuvants.

No. of Pages : 40 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/01/2012

(21) Application No.2169/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CARD TRANSACTION USING A PORTABLE DEVICE

(51) International classification	:G06Q 40/00	(71) <b>Name of Applicant :</b> <b>1)KUNAL JHUNJHUNWALA</b> Address of Applicant :S/O RAJESHKUMAR JHUNJHUNWALA,14 CHOWPATTY VIEW, MORVI LANE,CHOWPATTY,MUMBAI- 400007,MAHARASHTRA,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	<b>2)ROHAN DESHPANDE</b>
(87) International Publication No	:N/A	<b>3)N/A</b>
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KUNAL JHUNJHUNWALA</b>
(62) Divisional to Application Number	:NA	<b>2)ROHAN DESHPANDE</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides a system and method for cash-card transaction using a portable point-of-sale (POS) device, the portable POS device enabling a user to execute a financial transaction using the portable POS device with a communication device having a point-of-sale application module. The portable POS device comprises a housing; at-least one card reader provided within the housing, the card reader configured to receive and read information embedded on the card; a signal processor provided within the housing and connected with the card reader for converting the information read by the card reader into a format compatible with the communication device; and a wireless interface module provided within the housing and connected to the signal processor for transferring the processed signal to the communication device by establishing a wireless communication link. REF. FIGURE 1

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2010

(21) Application No.409/MUM/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR DIGITALLY PRINTING ON TEXTILES

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(51) International classification	:B41M5/00; B41J 2/21	(71) <b>Name of Applicant :</b> <b>1)SANJAY CHANDRAMOHAN MAHESHWARI</b> Address of Applicant :KOTHARI INFO-TECH LIMITED, 802 EMPIRE STATE BUILDING UDHNA DARWAJA, RING ROAD, SURAT 395002, GUJARAT, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SANJAY CHANDRAMOHAN MAHESHWARI</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The invention relates to a improved printing apparatus comprising one or more dilutent printing heads plurality of color printing heads, wherein the one or more dilutent printing heads is so disposed with respect to the color printing heads that the dilutent layer is printed first and underneath the color layer.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2011

(21) Application No.785/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : YAW RATE CONTROL IN MOTOR VEHICLES

(51) International classification	:B60T 8/1755, B60W30/02	(71) <b>Name of Applicant :</b> <b>1)Indian Institute of Technology Bombay</b> Address of Applicant :Powai Mumbai 400076 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Vivek Agarwal</b>
(33) Name of priority country	:NA	<b>2)Hussain Neralwala</b>
(86) International Application No Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Embodiments herein disclose a method and system for implementing a Yaw rate controller in motor vehicles. In the present braking systems associated with motor vehicles, the wheel speed and braking force are not linearly related. This result in jerks which affects comfort of the passengers and stability of the vehicle which inturn arise safety issues. In the disclosed system, the Yaw rate controller measures the vehicle speed and provides a control error rate (Yaw rate) corresponding to the measured speed in order to assure that the braking force and the wheel speed at the time of braking is linearly related. It further insures safety, comfort and stability for the vehicles.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.596/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME

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(51) International classification	:A61K 9/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1514/MUM/2006
Filed on	:21/09/2006

(71)**Name of Applicant :**

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

(72)**Name of Inventor :**

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

---

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) Zingiber officinale Roxb., preferably taken, as percentage of total final composition, in a range of about 0.2 to 8% more preferably to about 3.33% %, and (ii) Piper longum Linn., preferably taken in a range of about 0.5 to 15 %, more preferably to about 2.66%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2011

(21) Application No.813/MUM/2011 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : VENTURI TYPE SURFACE CHOKES FOR STABILIZED FLOW

(51) International classification	:G01F 1/00, G01N 1/22	(71) <b>Name of Applicant :</b> <b>1)OIL AND NATURAL GAS CORPORATION LTD.</b> Address of Applicant :IOGPT, PHASE - II, PANVEL - 410221, NAVI MUMBAI, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)B.V.R.V. PRASAD</b>
(33) Name of priority country	:NA	<b>2)T.K. MANDAL</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to surface flow chokes having venturi profile with convergent, throat and divergent sections which helps in achieving higher downstream pressure of 90% of the upstream pressure for obtaining better flow efficiencies in oil / gas wells.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/04/2012

(21) Application No.871/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ACCESSING A MULTI-CHANNEL MEMORY SYSTEM HAVING NON-UNIFORM PAGE SIZES□

(51) International classification	:G06F 13/16
(31) Priority Document No	:12/576,693
(32) Priority Date	:09/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051865
Filing Date	:07/10/2010
(87) International Publication No	:WO/2011/044389
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America.

(72)**Name of Inventor :**

**1)WANG Feng**

**2)NOWAK Matthew Michael**

**3)KIM Jonghae**

(57) Abstract :

A method includes predicting a memory access pattern of each master of a plurality of masters. The plurality of masters can access a multi-channel memory via a crossbar interconnect, where the multi-channel memory has a plurality of banks. The method includes identifying a page size associated with each bank of the plurality of banks. The method also includes assigning at least one bank of the plurality of banks to each master of the plurality of masters based on the memory access pattern of each master.

No. of Pages : 35 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.588/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND APPARATUS FOR ORIENTING ARRAYS OF MECHANICALLY LINKED HELIOSTATS FOR FOCUSING THE INCIDENT SUNLIGHT ON A STATIONARY OBJECT.

(51) International classification	:F24J 2/38	(71) <b>Name of Applicant :</b> <b>1)RAVINDRA KRISHNAJI PATWARDHAN</b> Address of Applicant :1979 SADASHIV PETH, PUNE 411030, MAHARASHTRA STATE, INDIA. <b>2)RAJEEV SURYAKANT PANDIT</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAVINDRA KRISHNAJI PATWARDHAN</b>
(87) International Publication No	:N/A	<b>2)RAJEEV SURYAKANT PANDIT</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein is a method and apparatus adapted for synchronously controlling a field of mechanically-linked heliostats to accurately concentrate incident sunlight on a stationary locus.

No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.589/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PWM TECHNIQUES WITH SWITHING ELEMENTS AND DESIGN APPROACH

(51) International classification	:H03F 3/20	(71) <b>Name of Applicant :</b> <b>1)PRATIP PATEL</b> Address of Applicant :PO BOX 25, IN PARA OPP. AMBAJI TEMPLE PO: CHIKHODRA, PIN - 388 320, DIST: ANAND, GUJARAT, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PRATIP PATEL</b>
Filing Date	:NA	<b>2)YAGNESH SHUKLA</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the present era when PWM AC/AC voltage controllers are widely used in UPS and high power flexible AC transmission systems power factor can be improved and more number of harmonics can be reduced using the pulse width modulation techniques of a voltage waveform. It discloses various PWM techniques on the AC/AC voltage controller without DC link and two configurations of PWM technique for harmonics reduction and improvement of power factor and output voltage. In the present innovation fast switching device, PWM techniques can be applied to AC/AC voltage controllers for producing variable output voltage with a better input Power Factor which may well illustrated by theoretical results validated through simulation studies using PSIM software package.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.599/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME

(51) International classification	:A61K 9/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1514/MUM/2006
Filed on	:21/09/2006

**(71)Name of Applicant :**

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

**(72)Name of Inventor :**

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

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**(57) Abstract :**

Described is novel oral dosage form for administration of an extract of (i) Bacopa monnieri Linnpreferably taken, as percentage of total final composition, in a range of 0.1 to 10%, more preferably to 2.88%, and (ii) Centella asiatica Linn, preferably taken, as percentage of total final composition, in a range of 0.1 to 20%, more preferably to 2.88%an herbal extract; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.929/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PYRIDO[3,4-B]INDOLES AND METHODS OF USE

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(51) International classification	:A01N 43/38
(31) Priority Document No	:61/245,260
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050080
Filing Date	:23/09/2010
(87) International Publication No	:WO/2011/038163
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)MEDIVATION TECHNOLOGIES INC.**

Address of Applicant :201 Spear Street 3rd Floor San Francisco California 94105 United States of America.

(72)Name of Inventor :

**1)JAIN Rajendra Parasmal**

**2)CHAKRAVARTY Sarvajit**

(57) Abstract :

This disclosure relates to new heterocyclic compounds that may be used to modulate a histamine receptor in an individual. Pyrido[3,4-b]indoles are described, as are pharmaceutical compositions comprising the compounds and methods of using the compounds in a variety of therapeutic applications, including the treatment of a cognitive disorder, psychotic disorder, neurotransmitter-mediated disorder and/or a neuronal disorder.

No. of Pages : 232 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.992/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : LOW-THICKNESS THERMOSTRUCTURAL COMPOSITE MATERIAL PART, AND  
MANUFACTURE METHOD□

(51) International classification	:C04B 35/80	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0957676	<b>1)SNECMA PROPULSION SOLIDE</b>
(32) Priority Date	:30/10/2009	Address of Applicant :Les Cinq Chemins F-33187 Le Haillan Cedex France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/052285	<b>1)CHARLEUX Fran�ois</b>
Filing Date	:26/10/2010	<b>2)COUPE Dominique</b>
(87) International Publication No	:WO/2011/051611	<b>3)PHILIPPE Eric</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a thermostructural composite material part including a fibrous reinforcement having fibers made of carbon or ceramic that is densified by an at least partially thin matrix  $\alpha$ , wherein: the thickness of the part is less than 2 mm, or even less than 1 mm; the fibrous reinforcement is made of a single thickness of multilayer fabric made of spread-out threads having a count at least equal to 200 tex; the fiber volume percent is between 25% and 45%; and the ratio between the number of multilayer fabric layers and the thickness in mm of the part is at least equal to 4.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1184/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR COMPACTING PRODUCT□

(51) International classification	:B65B 1/08
(31) Priority Document No	:12/604,748
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053919
Filing Date	:25/10/2010
(87) International Publication No	:WO/2011/050354
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FRITO-LAY NORTH AMERICA INC.**

Address of Applicant :7701 Legacy Drive Plano TX 75024-4099 United States of America

(72)Name of Inventor :

**1)BIERSCHENK Patrick J.  
2)BRENKUS Frank M.  
3)COTE Kevin  
4)MELANSON Amelinda  
5)REAVES Jerry M.**

---

(57) Abstract :

A method for compacting a slug of product and apparatus for accomplishing the same. The invention describes collecting weighed product in an intermediate settling device to form a compact slug of product. The device can comprise a single settling chamber or can comprise multiple settling chambers which are axially rotatable. The slug can be compacting by jostling and/or vibrating the settling device. Thereafter, the product is discharged to a packaging apparatus. Because the product in the final package is denser, a smaller package can be utilized reducing manufacturing and shipping costs.

No. of Pages : 65 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/02/2010

(21) Application No.207/MUM/2010 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN INK WITH HIGH COLORANT LOADING AND JETTING RELIABILITY AND A SYSTEM AND AN INKJET PRINTING SYSTEM WITH THE INK

(51) International classification	:C09D11/00; C09D11/02	(71) <b>Name of Applicant :</b> <b>1)ANKIT CHANDRAMOHAN MAHESHWARI</b> Address of Applicant :KOTHARI INFO-TECH LIMITED, AN INDIAN COMPANY OF 802, EMPIRE STATE BUILDING, UDHNA DARWAJA, RING ROAD, SURAT 395 002, GUJARAT,INDIA. <b>2)MAHESHWARI SANJAY CHANDERMOHAN</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)ANKIT CHANDRAMOHAN MAHESHWARI</b> <b>2)MAHESHWARI SANJAY CHANDERMOHAN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The invention relates to an inkjet ink consisting a Colorant, water, humectants, electrolytes and multi arm polyalcohol ethoxylate and other additives, wherein the additives are surfactants, anti bacterial compounds, anti rust compounds with materials to adjust the properties of the ink.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.601/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : 'PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME

(51) International classification	:A61K 9/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1514/MUM/2006
Filed on	:21/09/2006

**(71)Name of Applicant :**

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

**(72)Name of Inventor :**

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

---

**(57) Abstract :**

Described is novel oral dosage form for administration of an extract of (i) Withania somnifera Dunal. extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.6%, (ii) Bacopa monnieri Linn, extract preferably taken as percentage of total final composition in the range of 0.2% to 8% more preferably to 2.64%, and (iii) Nardostachys jatamansi DC. extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.04%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2012

(21) Application No.2174/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FLEXIBLE WIND CATCHING ELEMENT/BLADES FOR VERTICAL AXIS WINDMILL

(51) International classification	:F03D 11/00	(71) <b>Name of Applicant :</b> <b>1)PAWAR PRAKASH PRABHAKAR</b> Address of Applicant :CHANDAN NAGAR,NAGAR RD.PUNE 411014 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PAWAR PRAKASH PRABHAKAR</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a Flexible wind catching element/blades for vertical axis wind turbine wherein a vertical axis wind mill turbine comprising a plurality of blades; and the each blade comprises a frame (8) having a plurality of horizontal blades (2); Each horizontal blade comprises an upper flap (10),a lower flap(14), a flexible element (12) which is connected to back side of said upper flap(10) and said lower flap (14)and a stem(04) in which the flexible elements is fixed; The length of said upper flap, lower flap and stem is such that they are fixed inside the inner side of said frame; height of upper and lower flap is of such when they are wide open they together do not allow any air gap between frame and the horizontal blade. The blades rotate between positions posing a maximum resistance to minimum resistance to maximum resistance, while resistance is generated due to action of wind force on flaps

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2012

(21) Application No.613/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NOVEL HETEROCYCLIC COMPOUNDS AND THEIR USE FOR TREATMENT OF DIABETES, OBESITY OR RELATED DISORDERS

(51) International classification	:A61K 31/416	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD-380 015, GUJARAT, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AGARWAL, SAMEER</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses agonists of the G protein-coupled receptor TGR5, compositions comprising them, methods of making the compounds and compositions and using them for the treatment of diseases TGR5 mediates or is implicated in.

No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2011

(21) Application No.774/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRIC POWER GENERATION.

(51) International classification	:H02J 3/30, H02J 9/00	(71)Name of Applicant : <b>1)BHANUDAS RAGHUNATH KAD.</b> Address of Applicant :A/P. WAKI BK. TALUKA - KHED (RAJGURUNAGAR), PUNE-410501. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor : <b>1)BHANUDAS RAGHUNATH KAD.</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to electric power generation by using moving gross and tare load of Light and Heavy commercial vehicle on bypass road instead of national and state highways for providing continuous power generation as bypass road will run by only specific vehicle which are going to be use for power generation set up. Also power generation set up need not to be built under highways or road but away from them as hydraulic power used here can be transfer from road to required position of power generation set up. Constant force input problem has been solved by using intensifiers, pressure control valve. When vehicle 1 comes on bypass road then on resting 3 the spring return pressure intensifier 5 get activate and pressurized fluid from 5 get transmit to single acting spring return actuator 7through hose 6, at require position of power generation setup.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.883/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE AND METHOD FOR TIGHTENING TEMPORARY STAND

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(51) International classification	:E04G 5/04,E04G 5/08
(31) Priority Document No	:10-2009-0103143
(32) Priority Date	:29/10/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/000963
Filing Date	:17/02/2010
(87) International Publication No	:WO/2011/052854
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)KUM KANG INDUSTRY CO. LTD.**

Address of Applicant :1512-3 Daedae 1-Dong Saha-Ku  
Pusan 640-826 Republic of Korea.

(72)Name of Inventor :

**1)HONG Young Kun**

(57) Abstract :

Provided is a scaffold-tightening apparatus to reduce a gap between a lift operating means installed at an outer wall of a structure and a profile installed at a side facing the outer wall of the structure and having a plurality of latches disposed at predetermined intervals, including, a first latch member having a hook shape, a second latch member having a hook shape in a direction opposite to the first latch member, and a shaft member configured to connect the first latch member and the second latch member, and in which a bolt member and a nut member are axially connected to adjust a gap spaced from each other between the first latch member and the second latch member. A method of tightening a scaffold using the apparatus is also provided. Accordingly, since the gap between the scaffold and the structure can be simply reduced using the scaffold-tightening apparatus, time and costs consumed for a scaffold lift operation can be reduced to remarkably reduce construction time and costs consumed for the total construction. Figure 1 is the representative figure.

No. of Pages : 37 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.944/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WIND-POWER-STATION CONTROL APPARATUS AND WIND-POWER-STATION CONTROL METHOD□

(51) International classification	:F03D 7/04,F03D 9/00	(71) <b>Name of Applicant :</b> <b>1)MITSUBISHI HEAVY INDUSTRIES LTD.</b> Address of Applicant :16-5 Konan 2-chome Minato-ku Tokyo 108-8215 Japan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/JP2011/068266	(72) <b>Name of Inventor :</b>
Filing Date	:10/08/2011	<b>1)Akira YASUGI</b>
(87) International Publication No	:WO/2013/021481	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wind-power-station control apparatus (54) is provided in a wind power station (50) having a plurality of wind turbine generators. To reduce the electrical power supplied from the wind power station (50) to the utility grid the wind-power-station control apparatus performs for a wind turbine generator whose actual output electrical power is small relative to the maximum electrical power that can be output among the plurality of wind turbine generators output-power reduction control for reducing the output power thereof and increasing the rotational speed of the rotor thereof. Thus even when control for reducing the output power is performed for the wind turbine generator it is possible to suppress waste of the wind energy received by the blades and to increase the total annual amount of generated electrical power.

No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2012

(21) Application No.1075/MUMNP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SUNSCREEN COMPOSITION

(51) International classification	:A61K 8/35,A61K 8/49	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :UNILEVER HOUSE, B.D.SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI 400 099, MAHARASHTRA, INDIA
(31) Priority Document No	:12/611941	
(32) Priority Date	:04/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/EP2010/064083 :23/09/2010	(72) <b>Name of Inventor :</b> <b>1)MISSO LUIS ROBERTO</b> <b>2)POLONKA JACK</b>
(87) International Publication No	:WO 2011/054600	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A cosmetic composition is provided including a water-insoluble UV-A sunscreen agent having a  $\lambda_{max}$  at 330-380 nm, a water-insoluble UV-B sunscreen agent having a  $\lambda_{max}$  between 280 and 320 nm, and a water-soluble sunscreen agent having a  $\lambda_{max}$  between 280 and 400 nm, the water-soluble sunscreen agent being neutralized with metallic counter ions which in a first portion are sodium and in a second portion are potassium ions present in a respective molar ratio of 0.5:2 to 2:1, and a cosmetically acceptable carrier including from 0.2 to 4% of potassium stearate by weight of the composition.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2012

(21) Application No.886/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CORE STABILIZED MICROCAPSULES METHOD OF THEIR PREPARATION AND USES THEREOF

(51) International classification	:A61K 8/11
(31) Priority Document No	:61/291,594
(32) Priority Date	:31/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/001092
Filing Date	:30/12/2010
(87) International Publication No	:WO/2011/080741
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SOL-GEL TECHNOLOGIES LTD.**

Address of Applicant :Golda Meir St. 7 Weizmann Science Park 74036 Ness Ziona Israel.

(72)**Name of Inventor :**

**1)TOLEDANO Ofer**

**2)BAR-SIMANTOV Haim**

**3)SERTCHOOK Hanan**

**4)FIREMAN-SHORESH Sharon**

**5)MARCO-DAGAN Dorit**

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(57) Abstract :

The present invention provides core-stabilized microcapsules wherein said core comprises at least one active agent encapsulated within a metal oxide shell processes for their preparations comparisons comprising them and uses thereof.

No. of Pages : 34 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2012

(21) Application No.1100/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VIRTUAL HOME CHANNEL FOR MOBILE BROADCAST NETWORKS□

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(51) International classification :H04W 4/06  
(31) Priority Document No :61/264,147  
(32) Priority Date :24/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/057873  
    Filing Date :23/11/2010  
(87) International Publication No :WO/2011/066317  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

---

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)**Name of Inventor :**

**1)WALKER Gordon Kent**

**2)GUPTA Binita**

**3)GHOLMIEH Ralph A.**

**4)KANNAN Prasanna**

---

(57) Abstract :

Methods and systems simplify discovery and handoff for multi-frequency broadcast receiver devices, such as mobile TV devices, by providing a virtual home channel that is not dependent on a single frequency network upper layer. The methods and systems may be used in conjunction with a single frequency network upper layer to support areas without upper layer available, or to off load some portion of the common data bandwidth in the single frequency network. For example, the single frequency network may only carry frequency data for the multiple frequency network or only the frequency data for networks with comprehensive market metadata.

No. of Pages : 71 No. of Claims : 157

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2012

(21) Application No.1101/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE FOR COUNTING OBJECTS FED AS BULK MATERIAL

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(51) International classification	:G06M 7/00
(31) Priority Document No	:102009052292.1
(32) Priority Date	:09/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/067146
Filing Date	:09/11/2010
(87) International Publication No	:WO/2011/054974
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

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(72)Name of Inventor :

1)HEINZ Dieter

(57) Abstract :

The invention relates to a device for counting objects fed as bulk material, comprising a first feeding unit for pre-counting a first fixed subset of a target quantity of objects and a second feeding unit for preferably separately feeding a second subset of the target quantity of objects, wherein the device (1, 7, 10) is designed such that the quantity of objects of the first subset is transmitted to a control apparatus (5), which controls the second feeding unit such that the second subset of objects is fed enough objects that the second subset of objects corresponds to the difference between the first subset and the target quantity of objects, and the first subset of objects is poured into the second subset of objects.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1163/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR GENERATING STREAM AND METHOD AND APPARATUS FOR PROCESSING STREAM□

(51) International classification	:H04N 13/00
(31) Priority Document No	:61/253,155
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/007202
Filing Date	:20/10/2010
(87) International Publication No	:WO/2011/049372
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)LEE Jae-Jun**

**2)JANG Moon-Seok**

**3)KIM Yong-Tae**

**4)KIM Jae-Seung**

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(57) Abstract :

Provided are a method and apparatus for generating a stream, and a method and apparatus for processing of the stream. The method of generating the stream includes: generating an elementary stream including three-dimensional (3D) image data providing a 3D image, and 3D detail information for reproducing the 3D image; generating a section including 3D summary information representing that a transport stream to be generated from the elementary stream provides the 3D image; and generating the transport stream with respect to the section and the elementary stream.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1165/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR MANUFACTURING A SURGICAL SUTURE

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(51) International classification	:D04C 1/02
(31) Priority Document No	:10-2010-0054585
(32) Priority Date	(KR) :09/06/2010
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2011/002691
Filing Date	:15/04/2011
(87) International Publication No	:WO/2011/155700
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)YOO Yeon Chun**

**2)PARK Heung Su**

**3)KIM Joon Hyung**

**4)CHON Joon Sub**

**5)LEE Do Kyoung**

**6)CHOI Jae Woon**

(57) Abstract :

The present invention relates to a surgical suture and to a method for manufacturing a biodegradable surgical suture with a looped end, which easily provides a knotting effect, even without actual knotting, at the body part injected by a needle, after the needle has passed the incision of the body, to be closed. More particularly, the present invention relates to a method for manufacturing a surgical suture with a looped end, using a twister/braider.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1161/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FEATURE MATCHING BY CLUSTERING DETECTED KEPOINTS IN QUERY AND MODEL IMAGES□

(51) International classification	:G06K 9/64
(31) Priority Document No	:61/265,955
(32) Priority Date	:02/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058805
Filing Date	:02/12/2010
(87) International Publication No	:WO/2011/069021
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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United States of America

(72)**Name of Inventor :**

**1)VADDADI Sundeep**

**2)HONG John H.**

**3)HAMSICI Onur C.**

**4)REZNIK Yuriy**

**5)LEE Chong U.**

---

(57) Abstract :

A method for feature matching in image recognition is provided. First, image scaling may be based on a feature distribution across scale spaces for an image to estimate image size/resolution, where peak(s) in the keypoint distribution at different scales is used to track a dominant image scale and roughly track object sizes. Second, instead of using all detected features in an image for feature matching, keypoints may be pruned based on cluster density and/or the scale level in which the keypoints are detected. Keypoints falling within high-density clusters may be preferred over features falling within lower density clusters for purposes of feature matching. Third, inlier-to-outlier keypoint ratios are increased by spatially constraining keypoints into clusters in order to reduce or avoid geometric consistency checking for the image.

No. of Pages : 74 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2012

(21) Application No.615/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR THE PURIFICATION OF HYALURONIC ACID SALTS (HA) FROM FERMENTATION BROTH

(51) International classification	:C08B 37/00	(71) <b>Name of Applicant :</b> <b>1)PRAJ INDUSTRIES LIMITED</b> Address of Applicant :PRAJ HOUSE, BAVDHAN, PUNE 411021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)PHASE NAKUL HEMANT</b>
(33) Name of priority country	:NA	<b>2)REVINDRABABU BONDALAKUNTA</b>
(86) International Application No Filing Date	:NA	<b>3)TYAGI SONAL</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention provides a process for purification of hyaluronic acid salt from fermentation broth obtained by culturing a microorganism capable of producing Hyaluronic acid. The fermentation broth is diluted by distilled or RO water in ratio of about 1:2 to about 1:4. The diluted hyaluronic acid containing fermentation broth is processed for separation of the microbial cells. Further, protein impurities are separated from the hyaluronic acid containing fermentation broth by using bentonite, followed by separating color impurities, and nucleic acids from hyaluronic acid containing fermentation broth by activated carbon. Metallic impurities are separated by passing the hyaluronic acid containing fermentation broth through cation exchange resin bed, followed by forming salt of hyaluronic acid by adding the alkali or alkaline earth metal salt to the hyaluronic acid containing fermentation broth, subjecting the precipitating of hyaluronic acid salt by addition of organic solvent and filtering the precipitate by separating the organic solvent from hyaluronic acid salt; and drying the hyaluronic acid.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2012

(21) Application No.629/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : NANOCOMPOSITES CARBON & NANO-PLATED CHAIN WITH POLYETHERETHERKETONE (PEEK).

(51) International classification

:C08K3/04

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)BHAMOLE VAISHALI ABHAY**

(72)Name of Inventor :

**1)MAHANWAR PRAKASH ANNA**

**2)BHAMOLE VAISHALI ABHAY**

---

(57) Abstract :

The present invention relates to polymer-inorganic filler nanocomposites. The present invention particularly describes the nanocomposites of the mixture of S1O2 and Al2O3 in ratio (5:1) with Polyetheretherketone (PEEK) matrix having high strength and toughness and process for the production of the same.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/03/2012

(21) Application No.622/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AIR SUSPENSION AND AXLE LIFT CONTROL SYSTEM OF A VEHICLE

(51) International classification	:B62D 61/12	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MANE SANDIP R</b>
(87) International Publication No	: NA	<b>2)GUPTA AMIT K</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an air-suspension and axle-lift control system for a vehicle. The system includes a suspension air spring RH side and a suspension air spring LH side provided on a first side and a second side respectively, of the axle. The suspension air spring RH side and the suspension air spring LH side contain pressurized air. An air connection pipe-1 having a first end portion and a second end portion is connected to the suspension air spring RH side. An air connection pipe-2 is connected to the suspension air spring LH side. A spring loaded 3/2 sliding float valve is connected to the air connection pipe-1 and the air connection pipe-2 such that the spring loaded 3/2 sliding float valve selectively allows exchange of pressurized air between the suspension air spring RH side and the suspension air spring LH side.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1144/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CERAMIC FIBER COMPOSITION WHICH IS SOLUBLE IN SALT

(51) International classification	:C04B 35/80
(31) Priority Document No	:10-2009-0115682
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/008129
Filing Date	:17/11/2010
(87) International Publication No	:WO/2011/065698
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :1301-4 Seocho-dong Seocho-gu Seoul  
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(72)Name of Inventor :

**1)LEE Jin Heuk**

**2)LEE Si Moo**

**3)KIM Hong Kyeom**

**4)JUNG Won Sik**

(57) Abstract :

A biodegradable ceramic fiber composition for a high-temperature thermal insulator is provided. The composition includes: 58 to 67% by weight SiO<sub>2</sub> 26 to 34% by weight CaO 2 to 8% by weight MgO 0 to 1% by weight Al<sub>2</sub>O<sub>3</sub> 0 to 5% by weight B<sub>2</sub>O<sub>3</sub> 0 to 3% by weight Na<sub>2</sub>O + K<sub>2</sub>O and 1% by weight or less impurities selected from TiO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub>. The composition has a linear thermal contraction coefficient of 3% or less (when maintained at 1100 °C for 24 hours) and a dissolution rate constant of 700 ng/cm<sup>2</sup>hr or more in a synthetic body fluid. When compared to known biodegradable ceramic fibers the ceramic fiber composition also has a significantly improved solubility in a synthetic body fluid so that it can easily be dissolved and removed even when inhaled into the human lungs thereby reducing harmfulness to the human body.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1209/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CARBOXYVINYLC POLYMER-CONTAINING NANOPARTICLE SUSPENSION

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(51) International classification	:A61K 9/10
(31) Priority Document No	:61/266,368 (US)
(32) Priority Date	:03/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058563
Filing Date	:01/12/2010
(87) International Publication No	:WO/2011/068872
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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**2)GHOSH Malay**

**3)ASGHARIAN Bahram**

**4)HAN Wesley Wehsin**

(72)Name of Inventor :

**1)CHOWHAN Masood A.**

(57) Abstract :

The present invention generally relates to suspension compositions having a carboxyvinyl polymer such as a carbomer, a galactomannan such as guar, and a borate compound. A sparingly soluble particulate compound such as nepafenac is also included in the compositions. The sparingly soluble particulate compound has a small particle size to enhance bioavailability of the compound.

No. of Pages : 20 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2012

(21) Application No.3073/MUM/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR RAPID PROTOTYPING BY SELECTIVE LASER SINTERING (SLS).

(51) International classification	:B22F 3/105	(71) <b>Name of Applicant :</b> <b>1)BALA ANAND JELDI</b> Address of Applicant :ADDRESS:65,JESSAMINE,IC COLONY,OPP CAFE COFFEE DAY,BORIVALI (W),MUMBAI-400 103 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)BALA ANAND JELDI</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method And Device for rapid prototyping by selective laser sintering where the computerized controlled Co2 laser beam passes through the static beam expander. The expanded beam oriented through the mirrors and enters in the dynamic beam expander. This laser beam fall on the surface of the field, after passes through the x- axis mirror mounted on galvo motor and y- axis mirror mounted on galvo motor. The begun layer goes on increase as it moves away from the center, the diameter of the beam slightly expand to make the spot constant again the field to make the spot fall on the flat field other than forming the parabolic surface. The laser beam fall on the field (x, y) sinter the power which is collected in the powder collector tray and form the scanning cross-sections generated from a 3-D digital description object by sintering.

No. of Pages : 26 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1244/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS AND SYSTEMS FOR MANAGING ELECTRONIC MESSAGES□

(51) International classification	:G06F 15/16
(31) Priority Document No	:61/262,245
(32) Priority Date	:18/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053170
Filing Date	:19/10/2010
(87) International Publication No	:WO/2011/062718
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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United States of America .

(72)**Name of Inventor :**

**1)FORUTANPOUR Babak**

**2)DORNER Steven**

(57) Abstract :

Methods and systems provide tools that enable users to manage electronic messages by obtaining additional information about senders, receivers or entities mentioned in messages. A computing device may identify a sender or recipient of an electronic message and search a database to obtain additional data about the sender or recipient. The additional data may be displayed with the electronic message. The additional data may also be used to calculate importance values that the computing device can use to highlight, preferentially display, or sort the electronic messages. The importance values may be calculated by applying sorting algorithms to the retrieved additional data based on user defined criteria. Importance values may also be based upon information obtained from messages. A graphical user interface may be implemented to enable users to specify criteria and weighting factors to apply in sorting electronic messages.

No. of Pages : 152 No. of Claims : 186

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2012

(21) Application No.576/MUM/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STEERING SYSTEM FOR AUTOMOBILES

(51) International classification	:B60G 21/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 Maharashtra INDIA Ma
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SUTAR NIMISH B</b>
(87) International Publication No	: NA	<b>2)GUPTA AMIT K</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KAKADE SATISH Y</b>
Filing Date	:NA	<b>4)GARG ASHWANI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a steering system for an automobile having a chassis member. The steering system includes a steering wheel; a steering intermediate shaft connected to the steering for receiving rotational movement of the steering wheel; a steering gear box supported on the chassis member the steering gear box receives steering input from the steering intermediate shaft; and a pitman arm associated with the steering gear box and having a top end portion and a bottom end portion. The pitman arm moves with output from the steering gear box. The steering system further includes a drag link having end portions and one or more intermediate bent portions. The end portions being connected to the end portion of the pitman arm and a first axle. The at least one intermediate bent portion is concentrically engaged with a tubular member. FIG. 2

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1188/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VITREOUS BONDED ABRASIVE

(51) International classification	:B24D 3/10
(31) Priority Document No	:61/255,254
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054347
Filing Date	:27/10/2010
(87) International Publication No	:WO/2011/056680
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

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**2)UPADHYAY,RACHANA**

**3)QUEREL,GILLES**

---

(57) Abstract :

A vitrified superabrasive product includes a superabrasive component and a vitrified bond component in which the superabrasive component is dispersed. The vitrified bond includes an oxide of a lanthanoid. Additionally, the vitrified bond component defines pores that can be essentially all less than 800  $\mu\text{m}$  in diameter. Seventy percent of the pores are in a range of between about 40  $\mu\text{m}$  and about 500  $\mu\text{m}$  and have an average aspect ratio less than about 2. The porosity is in a range of between about 50% and about 90% of the total volume of the superabrasive product.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2012

(21) Application No.610/MUM/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : AN IMPROVED PHARMACEUTICAL FORMULATION OF PROTEINS

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(51) International classification	:A61K 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)MENDIRATTA, SANJEEV KUMAR**

**2)BANYOPADHYAY, SANJAY**

---

(57) Abstract :

The present invention provides certain improved formulations of proteins. Specifically, the present invention provides use of certain excipients that are useful for stabilization of antibody preparations. Additionally, the novel formulation of the present invention prevents the formation of aggregates or fragments or modification of protein in solution.

No. of Pages : 33 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/05/2012

(21) Application No.1190/MUMNP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD OF SCROLLING ITEMS ON A TOUCH SCREEN USER INTERFACE□

(51) International classification	:G06F 3/048
(31) Priority Document No	:12/619,962
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053160
Filing Date	:19/10/2010
(87) International Publication No	:WO/2011/062717
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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United States of Americ

(72)Name of Inventor :

**1)SCHWARTZ Michael U.**

(57) Abstract :

A method of scrolling items at a touch screen display is disclosed and may include detecting a first scroll command, scrolling at a first scroll speed, and zooming out to a first zoom level, wherein the first zoom level is associated with the first scroll speed. The method may further include determining whether a second scroll command is detected and scrolling at a second scroll speed if a second scroll command is detected.

No. of Pages : 32 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2010

(21) Application No.735/MUM/2010 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYNERGISTIC FUNGICIDAL COMPOSITION

(51) International classification	:A01N41/10, A01N 43/647	(71) <b>Name of Applicant :</b> <b>1)INDOFIL CHEMICALS COMPANY (A DIVISION OF INDOFIL ORGANIC INDUSTRIES LTD.)</b> Address of Applicant :NIRLON HOUSE, DR. ANNIE BESANT ROAD, MUMBAI-400 025, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)RAO JAYPRAKASH GOPALKRISHNAN</b> <b>2)SHIMPI SEEMA RAMKRISHNA</b> <b>3)SAWANT NITIN RAGHUNATH</b> <b>4)SARAPH SANJAY SADASHIV</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a fungicidal composition containing bio-effective amount of Dithiocarbamate with Triazole. Dithiocarbamate used is Mancozeb and Hexaconazole is a preferred triazole. The fungicidal composition is in the form of wettable powder or in the form of water dispersible granules.

No. of Pages : 56 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1160/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WINDMILL POWER GENERATING USING MULTI-GENERATOR AND SINGLE ROTOR

(51) International classification	:F03D
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIVA SAKTHI VELAN. S**

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(72)Name of Inventor :

**1)SIVA SAKTHI VELAN. S**

(57) Abstract :

Wind energy is the environmental free and one of the best renewable energy for generation of electric power. The main aim of the paper is to produce current using multi generator and single rotor. This paper proposes multi-generator to address potential challenges: dimension, cost and reliability. The two permanent magnet D.C. generators are desired to share the single shaft through straight bevel gears. These poles of the two generators will be changed as alternate to parallel. This paper discussed about the design procedure of gears, gear life and wind turbine rotors. The output current is stored in series of battery to appliances through converter and step up transformer. The performances and practicalities of the proposed architecture are verified in simulation using prototype wind turbine.

Keywords: permanent magnet D.C. generator, wind turbine, straight bevel gear, poles of generator.

No. of Pages : 38 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1221/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PROCESS FOR PREPARING NUTRIATE PREPARATION AND A NUTRIENT PREPARATION

(51) International classification	:A23L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :'DARE HOUSE', 4TH FLOOR, #234,  
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(72)Name of Inventor :

**1)DR. RAMANAN EZHIL ARASAN**

**2)MR. SAJIV KUMAR MENON**

(57) Abstract :

The invention relates to a method for preparing a high soluble galactomannan fibre from raw fenugreek , the said method comprising of de-stoning the said fenugreek seeds. Thereafter milling the said raw fenugreek seeds for crushing the seed to a first predetermined particle size, and sieving the crushed fenugreek seeds for separating the outer coat endocarp of said seeds, repeating above steps number of times for further crushing the crushed seeds until obtaining a second predetermined particle size. This is powdered fenugreek which is characterized with atleast 70% galactomannan. Thereafter the powdered fenugreek is extracted with hexane. Thereafter further extracting is done with Isopropyl alcohol to active dietary fibre. The fibre is oven dried to obtain 86.63% of dietary fibre which dietary fibre has containing a soluble fibre content in the range of 61.77% weight of the total fibre content with atleast 80% of galactomannan. The invents also extends to food composition with prepared fibre.

No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1223/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD, SYSTEM AND APPARATUS FOR DETECTING AN ANOMALY IN A PIPE

(51) International classification	:G01R
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)**Name of Inventor :**

**1)SHARMA, PRAFULL**

**2)VENUGOPAL, MANOHARAN**

**3)SHEILA-VADDE, APARNA CHAKRAPANI**

**4)LANGOJU, RAJESH VEERA VENKATA LAKSHMI**

**5)PANICKER, MAHESH RAVEENRANATHA**

**6)HAZRA, BUDHADITYA**

**7)PATIL, ABHIJIT VISHWAS**

---

(57) Abstract :

A method of identifying an anomaly in a region of interest of a pipe assembly having a pipe length is described. The method includes positioning along the pipe length, at least a first probe at a first location and positioning along the pipe length, at least a second probe at a second location. The method also includes transmitting first electromagnetic waves from the first probe toward at least the second probe. At least a portion of the first electromagnetic waves is received at the first probe or second probe. The method further includes transmitting second electromagnetic waves from the second probe toward at least the first probe. At least a portion of the second electromagnetic waves is received at the second probe or the first probe. The method further includes detecting an anomaly in the region of interest based on the received electromagnetic waves.

No. of Pages : 47 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1224/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD, SYSTEM AND APPARATUS FOR DETECTING AN ANOMALY IN A PIPE

(51) International classification	:G01R
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
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(72)**Name of Inventor :**

**1)SHARMA, PRAFULL**

**2)VENUGOPAL, MANOHARAN**

**3)SHEILA-VADDE, APARNA CHAKRAPANI**

**4)LANGOJU, RAJESH VEERA VENKATA LAKSHMI**

**5)PANICKER, MAHESH RAVEENRANATHA**

**6)HAZRA, BUDHADITYA**

**7)PATIL, ABHIJIT VISHWAS**

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(57) Abstract :

A method of identifying an anomaly in a region of interest of a pipe assembly having a pipe length is described. The method includes positioning at least two probes on a first side of the region of interest to be inspected. In addition, the method includes transmitting first electromagnetic waves from a first of the at least two probes at a first phase and a first amplitude. The method also includes transmitting second electromagnetic waves from a second of the at least two probes at a second phase and a second amplitude. The method includes receiving at least a portion of the first electromagnetic waves and the second electromagnetic waves at the first probe and second probe. The method further includes detecting an anomaly in the region of interest based the first electromagnetic waves and the second electromagnetic waves received at the first probe and the second probe. FIG: 23.

No. of Pages : 47 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2012

(21) Application No.1140/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD, SYSTEM AND COMPUTER-READABLE MEDIUM FOR EMBEDDING AND EXTRACTING A WATERMARK IN A VIDEO

(51) International classification	:H04N, G06T	(71) <b>Name of Applicant :</b> <b>1)INFOSYS LIMITED</b> Address of Applicant :IP CELL, PLOT NO 44, ELECTRONICS CITY, HOSUR ROAD, BANGALORE, 560100 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SACHIN MEHTA</b>
(87) International Publication No	: NA	<b>2)VIJAYARAGHAVAN VARADHARAJAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RAJARATHNAM NALLUSAMY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a computer-implemented method, system and computer readable medium for embedding a watermark into a video and extracting watermark from the original or copy of the watermarked video. The method comprises converting a video frame from RGB color space to YUV color space. Divide a chrominance component into plurality of blocks. Select plurality of blocks based on size of watermark. Associate a pixel in the watermark with selected plurality of blocks. Embed the watermark corresponding to selected plurality of blocks wherein embedding comprises replacing a first pixel value of the block with maximum value of first column of the block if binary value of the corresponding watermark pixel is one or else replace with minimum value. Combine Y component and chrominance components resulting processed YUV video frame and convert it to RGB video frame. Extract the watermark substantially in a reverse process.

No. of Pages : 37 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1204/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD OF PREDICTING THROTTLE POSITION BASED ON ENGINE SPEED SIGNAL AND A VEHICLE USING THE SAME

(51) International classification	:F02D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)M/S TVS MOTOR COMPANY LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :NO. 29, HADDOWS ROAD,
(33) Name of priority country	:NA	CHENNAI-600 006. Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. SAMRAJ JABEZ DHINAGAR</b>
(87) International Publication No	: NA	<b>2)MR. HIMADRI BHUSHAN DAS</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes a method for predicting a throttle position in a vehicle based on discrete values of engine speed and rate of change of discrete values of engine speed. A crank position sensor 60 generates a signal indicative of engine speed received by an Electronic Control Unit (ECU) which calculates the engine speed based on the signal. It also has a reluctor 20 fixed on an engine flywheel 10 such that when the reluctor 20 passes the crank position sensor 60, an electromagnetic force is generated corresponding to the leading edge 22 of the reluctor 20 and also corresponding to the trailing edge 24 of the reluctor 20. This method can eliminate the need for throttle position sensor in a vehicle without constraining reluctor width or controller capability or other mechanical parameters of the engine. Figure 3

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1206/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRIC START SYSTEM FOR A VEHICLE WITH INTERNAL COMBUSTION ENGINE

(51) International classification	:F02N	(71) <b>Name of Applicant :</b> <b>1)M/S TVS MOTOR COMPANY LIMITED</b> Address of Applicant :NO. 29, HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DR. SAMRAJ JABEZ DHINAGAR</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes an improved Electric Start System for a vehicle comprising of a Starter Motor 100, Starter Relay 120 and Battery 110 in a single assembly 73. The high current connections 70 between the starter motor 100, starter relay 120 and battery 110 are provided within the housing and only the actuating signals from the switches or sensors are obtained from outside the housing. The system has a housing cover 150 made of a plastic material like PBT (Poly Butylene Terephthalate) or an alloy. The battery pack 110 is the electrical power source capable of withstanding engine vibrations and the associated high temperatures. As the Starter Motor 100, battery pack 110 and Starter Relay 120 are close to each other, voltage drop in the high current path is minimized. Thereby Electric Start System 80 efficiency improves and high current wire cost is reduced.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1276/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CIRCULAR OBJECT IDENTIFICATION SYSTEM

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(51) International classification	:G02F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MINDTREE LIMITED**

Address of Applicant :GLOBAL VILLAGE, RVCE POST,  
MYSORE ROAD, BANGALORE - 560 059 Karnataka India

(72)Name of Inventor :

**1)PUNEETH BILAGUNDA CHANDRASHEKAR**

**2)SHARMILA SAHA**

(57) Abstract :

A computer implemented method and system determines a center point of a circular object in an image. A circular object identification system identifies prospective center points of the circular object for each of multiple pixel points at a predetermined distance along a gradient direction determined for each of the pixel points, constructs an axis between the corresponding prospective center points and a corresponding pixel point, and locates prospective circumference points at predetermined angles from the constructed axis. The circular object identification system compares the gradient direction of each of the prospective circumference points with a direction defined by each of the prospective circumference points and a corresponding prospective center point to find a match, determines convergence of the gradient direction of each of the prospective circumference points to a corresponding prospective center point, and determines the center point based on resultant decision votes of each of the prospective center points.

No. of Pages : 128 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1166/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MODIFIED STARCH, PROCESS FOR PREPARATION THEREOF AND USE IN YARN SIZING

(51) International classification

:D21H

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)MICROCORE RESEARCH LABORATORIES INDIA  
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POONDURAI MAIN ROAD, ERODE - 638 115 Tamil Nadu  
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(72)Name of Inventor :

**1)CHANDRAMOHAN MARIMUTHU  
2)SRIRAJ SRINIVASAN  
3)KASTHURI ARAVINTHAN  
4)KATHIRAVAN VEERAMALAI**

(57) Abstract :

The invention claims modified starch, a process for modification starch using ozone under alkaline condition and its use in sizing.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1230/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM OF DYNAMICALLY DISTRIBUTING TRAFFIC IN A NETWORK

(51) International classification	:H04L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :2nd floor GNR Tech Park 46/4  
Garbebhatti Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India

(72)Name of Inventor :

**1)Hayim Porat**

(57) Abstract :

The present invention relates to a method and system of dynamically distributing the traffic in a network. In one embodiment this is accomplished by receiving a plurality of data flow at a first network device classifying the received data flow into a plurality of levels of queues wherein the levels of queues are based on the flow ID COS port etc mapping the plurality of classified queues based on data flow sets over ports to at least one of the link aggregation links and computing upon failure of mapped port to route the data flow dynamically to the available ports in order to balance the traffic wherein the computing is based on the QoS parameters and service attributes of data flow.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1231/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM OF CARRYING CONTENT FROM A CONTENT SERVER TO A PLURALITY OF ENODEB<sup>TMS</sup> OVER AN LTE NETWORK

(51) International classification	:H04W	(71) <b>Name of Applicant :</b> <b>1)Tejas Networks Limited</b> Address of Applicant :2nd floor GNR Tech Park 46/4 Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560 068 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system of carrying multicast/broadcast content from a content server to a plurality of enodeB<sup>TMs</sup> over an LTE network. In one embodiment this is accomplished by dividing the network into multiple MB SFN (Single Frequency Network) broadcasting a content distribution message to all the enodeBs within MBSFN by the content server wherein the content distribution message having a content identification tag in order to inform all the enodeBs the appropriate time period or the non-busy period to download the content segments and downloading the content segments by all the enodeB<sup>TMs</sup> from the content server.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1232/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A SYSTEM AND METHOD OF INFORMATION PROPAGATION BETWEEN ENTITIES IN AN OPTICAL COMMUNICATION NETWORK

(51) International classification	:H04J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Devendra Kumar Chaudhary</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Hiren Desai</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a system and method of information propagation between entities in an optical communication network. This may be accomplished by at least one clock of pre-specified frequency having its source from the primary card at least one Time Division Multiplexed Bus from at least one secondary card with multiple slots wherein the multiple slots correspond with the pre-specified frequency of the clock and each slot is adapted to transfer information and at least one framing pulse generated by the primary card and used by the second card wherein the framing pulse is high for one cycle of the clock and indicates the multiple slots on the Time Division Multiplexed Bus.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1300/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HEAD LAMP ASSEMBLY FOR A TWO WHEELED VEHICLE

(51) International classification	:B60Q1/00	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :JAYALAKSHMI ESTATES □ NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)THANIKACHALAM GUNALAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ARULDAS PAUL CHRISTUDASS</b>
Filing Date	:NA	<b>3)RAJAMANI RAVISANKAR</b>
(62) Divisional to Application Number	:NA	<b>4)RAMANATHAN ANANTHA NARAYANAN</b>
Filing Date	:NA	

(57) Abstract :

Present invention provides a headlamp assembly having a front headlamp casing and a rear head lamp casing integrated with each other forming a single unit. Said front housing member and head lamp visor unit integrated with each other and front housing member houses a headlamp unit in its centre with the help of mounting brackets. The rear head lamp casing has a rear head lamp cover holding the display unit and side illumination lamps through mounting brackets. Mentioned head lamp assembly is pivotally rotatable around joint of the mounting bracket and adjusting brackets secured over said support structure such that removal of headlamp of for repair becomes easier.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1306/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A MULTI-FUNCTIONAL ATMOSPHERIC MOISTURE EXTRACTOR

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(51) International classification	:F25D17/00	(71) <b>Name of Applicant :</b> <b>1)M/S AKASHGANGA AME INDIA PVT LTD</b> Address of Applicant :21/3, SECOND SEAWARD ROAD, VALMIKI NAGAR, CHENNAI - 600 041. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. SATHYAMANGALAM SUBBIAH SIVAKUMAR</b>
(87) International Publication No	: NA	<b>2)MR. TINNIAM MANI SHYAMSUNDER</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multi-functional atmospheric moisture extractor comprises of a compressor for supply of hot refrigerant to a condenser. Condenser is provided for cooling the hot refrigerant before supplying to a water chiller tank, located adjacently on one side, through one liquid line having a control valve means. Another liquid line from the condenser is connected to an evaporator to condense the water vapour. A water tank having a water collection tray at the top is provided to collect the condensate drops from the evaporator. A submersible pump is provided in the atmospheric moisture extractor for supply of water to the water chiller tank. Liquid line coming from the condenser is bifurcated into two liquid lines, with one end connected to evaporator and other end to water chiller tank. Control valve means is a solenoid valve, which shuts or releases the flow of refrigerant into evaporator surrounding water chiller tank. Solenoid valve is operated by an external electrical switch located in the switch box. Liquid lines connecting the condenser and the evaporator, and similarly the condenser and the chiller water tank are provided with a strainer and a capillary line. Chiller water tank is connected to an external tap to provide for water consumption. Condenser is cooled by the fan located in condenser fan duct next to the hot air exit louvers. Evaporator fan is located in evaporator duct drawing air through an air filter towards the evaporator to make temperature fall to dew point and condense the water vapour in it.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1307/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A MULTI-PURPOSE FOOD DRYING EQUIPMENT

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(51) International classification	:F26B21/00	(71) <b>Name of Applicant :</b> <b>1)M/S AKASHGANGA AME INDIA PVT LTD</b> Address of Applicant :21/3, SECOND SEAWARD ROAD, VALMIKI NAGAR, CHENNAI - 600 041. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. SATHYAMANGALAM SUBBIAH SIVAKUMAR</b>
(87) International Publication No	: NA	<b>2)MR. TINNIAM MANI SHYAMSUNDER</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multipurpose food drying equipment comprises of an atmospheric moisture extractor having a compressor and a dryer connected by a connecting duct. The compressor is connected to a first exchanger means on one side and a second heat exchanger means on the other side to produce pure water and cool dry air simultaneously. Cool dry air passes through the first heat exchanger means taking part in heat exchange process and comes out as a warm dry air, to be fed to the dryer. First heat exchanger means is a condenser, cooled by a fan drawing cool dry air from second heat exchanger means. Second heat exchanger means is an evaporator, making the low temperature, low pressure liquid refrigerant gets evaporated taking part in condensation process of water vapour in the air around the evaporator in the production of pure water from the condensate drops. The evaporator is provided with a water collection tray and water tank to collect the pure water. The dryer has circulation fans to dry food products placed in the food trays. The compressor is connected to the condenser through a discharge line. The evaporator is connected to the compressor through a suction line. Both heat exchanger means are connected through a liquid line to transfer the low temperature low pressure refrigerant from one to the other. The liquid line is provided with a strainer and capillary tube. Atmospheric moisture extractor is provided with a timer box located in its corner.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2012

(21) Application No.1437/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CHARGING CONNECTOR MOUNTING STRUCTURE

(51) International classification	:H01R13/00	(71) <b>Name of Applicant :</b> <b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300 TAKATSUKA, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611 Japan
(31) Priority Document No	:2011-093277	
(32) Priority Date	:19/04/2011	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b> <b>1)YONEDA, SHIN</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A charging connector mounting structure is provided that can prevent entry of water into an outer panel and is highly-versatile. The charging connector mounting structure includes: an opening 108 provided in an outer panel 106 located on a side face of a vehicle; an outer box 110 mounted on a vehicle interior side of the opening 108 and recessed toward the inside of the opening 108; a through-hole 116 formed in a recessed portion of the outer box 110; a connector connecting portion 112 which is inserted in the through-hole 116 and to which a cable plug for charging a battery of the vehicle is connected; and an inner box 114 that is mounted to an inner panel 140 located on the vehicle interior side with respect to the outer panel 106 and that supports the connector connecting portion 112, wherein the inner box 114 is made of resin, and includes: a rib 134 extending obliquely upward from a lower edge of a front face 122 of the inner box 114 to a location below the through-hole 116; and a drain hole 138 provided in the front face 122 above the rib 134 and in communication with the space below the vehicle.

No. of Pages : 20 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1174/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CPR MANNEQUIN WITH VARIABLE, NON-LINEAR CHEST STIFFNESS

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(51) International classification	:A61H
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)INDIAN INSTITUTE OF TECHNOLOGY**

Address of Applicant :IIT P.O., CHENNAI 600 036 Tamil Nadu India

(72)**Name of Inventor :**

**1)DR. MANIVANNAN M.**

**2)KANAKAPRIYA K.**

(57) Abstract :

A CPR mannequin with variable programmable or computer controlled non-linear chest stiffness comprising any combination of springs, flexible tubes, actuators for providing non-linear stiffness on being compressed.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1175/CHE/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : ISOLATING AND IDENTIFYING THE ACTIVE CONSTITUENT OF ROOT EXTRACT OF ZALEYA DECANDRA, BEING A CONSTITUENT FOR THE TREATMENT OF DIABETES MELLITUS

(51) International classification	:A61K36/00	(71) <b>Name of Applicant :</b> <b>1)DR. V.K. GOPALAKRISHNAN</b> Address of Applicant :DEPARTMENT OF BIOCHEMISTRY KARPAGAM UNIVERSITY, COIMBATORE 21 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	<b>2)P. MEENAKSHI</b>
(87) International Publication No	: NA	<b>3)KARPAGAM UNIVERSITY</b>
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. V.K. GOPALAKRISHNAN</b>
(62) Divisional to Application Number	:NA	<b>2)P. MEENAKSHI</b>
Filing Date	:NA	

(57) Abstract :

A process for isolating and identifying the active constituent of Zaleya decandra root extract, being a constituent for the treatment of diabetes mellitus, comprising the steps, in combination, of subjecting samples of the said extract to High Performance Thin Layer Chromatography (HPTLC) for indicating the alkaloid, flavonoid, polyphenol, steroid, tannin and terpenoid profiles; Column chromatography and Thin layer column chromatography for the separation of active constituents; Fourier transforms infrared (FTIR) spectroscopy for analysis of the phytoconstituents functional groups for identifying the functional groups; identification of the structure of the active constituents by Nuclear Magnetic Resonance (NMR) spectroscopy: two dimensional nuclear magnetic resonance (2D NMR) spectroscopy for resolving and identifying the nature of chemical sites in the sample; HSQC (Heteronuclear Single Quantum Coherence) for the detection of bond couplings; 1H - 1H COSY (Homonuclear Correlation Spectroscopy) for revealing correlations between coupled protons; HMBC (Heteronuclear Multiple bond Coherence) also for the detection of bond couplings; the overall analysis indicating a structure of the active constituent of the said extract with a molecular formula = C<sub>30</sub>H<sub>50</sub>O<sub>4</sub>, molecular weight equal to 474.71grams/mole! compound naM:TJiFsterorunaecyr aiWno'i or i,4-Denzer] dicarboxylic acid,

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1301/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FOOTREST ASSEMBLY STRUCTURE

(51) International classification	:B62J25/00	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :JAYALAKSHMI ESTATES □ NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)PALANISAMY NANDKUMAR</b> <b>2)VENKATESAN KARTHIKEYAN</b> <b>3)GOVARDAN DAGGUPATI</b> <b>4)KAREDLA BAPANNA DORA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A riders footrest assembly mounted to vehicle body frame is described. The present invention comprises a riders footrest 202; a brake pedal 203; a riders footrest holder 204 having riders footrest 202 and brake pedal 203 mounted thereon and the riders footrest holder 204 is mounted to the vehicle body frame 201; a secondary bracket 206 attached separately to the riders footrest holder 204; and a rear master cylinder 205 mounted to the secondary bracket 206.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1302/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A SHAMPOO COMPOSITION AND A PROCESS FOR MANUFACTURING THE SAME

(51) International classification	:A61Q 5/00	(71) <b>Name of Applicant :</b> <b>1)CAVINKARE PVT. LTD.</b> Address of Applicant :CAVIN VILLE, NO. 12, CENOTAPH ROAD, CHENNAI-600 018 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)LAKSHMI THYIGARAJAN</b>
(87) International Publication No	: NA	<b>2)SIRISHA KOMMINEDI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RAJYASHREE.N</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Conditioning cosmetic compositions such as shampoos involving improved deposition of a conditioning agent adapted to deliver superior conditioning benefits by enhancing the conditioning performance of conditioning agents in surfactant based shampoo compositions. Advantageously, the invention is directed to such conditioning shampoo compositions adapted to deliver superior conditioning benefits, compatibility, softness and shine to the hair.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.2225/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTI RECIPIENT FACSIMILE COMMUNICATIONS

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(51) International classification

:G06F

(31) Priority Document No

:13/153,668

(32) Priority Date

:06/06/2011

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)XEROX, CORPORATION**

Address of Applicant :45 GLOVER AVENUE, P.O. BOX  
4505, NORWALK CONNECTICUT 06856-4505 U.S.A.

(72)Name of Inventor :

**1)DOBINSON, ALEXANDRIA**

**2)DOBINSON, GARETH**

**3)BAXTER, NICHOLAS**

**4)WILLIAMS, LEWIS**

(57) Abstract :

The present specification discloses a fax machine with routines for generating more than one cover sheet for a single fax job, where the cover sheets are different. The cover sheets are generated by providing a display which includes a first recipient input area for identifying a first recipient and a second recipient input area for identifying a second recipient and a first comment input area for inputting a first comment associated with the first recipient and a second comment input area for inputting a second comment associated with the second recipient.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1283/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM OF ESTABLISHING A PHONE CALL FROM A FIRST USER DEVICE TO A SECOND USER DEVICE IN A TELECOMMUNICATION NETWORK

(51) International classification	:H04M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Rohit Kumar</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system of establishing a phone call from a first user device to a second user device in a telecommunication network. In one embodiment this is accomplished by initiating the call from the first user device in order to connect the second user device wherein the first user device has zero balance in the account prompting the second user by the network about the call by informing the first user account information and allowing the second user to select an option of accept or deny the call originated from the first user device wherein the prompting the second user by the network in order to inform about the credit information of the first user account has no balance in the account to place a valid call.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1284/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM OF TRANSMITTING A BEARER RESOURCE REQUEST MESSAGE FROM A UE TO A MME FOR SETTING UP AN EPS BEARER IN A LTE NETWORK

(51) International classification	:H04W	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Vinod Kumar Madaiah</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Rohit Kumar</b>
Filing Date	:NA	<b>3)Sanil RC</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system of transmitting a bearer resource request message from a UE over a plurality of relay node to a mobility management entity for setting up an EPS bearer in an LTE Network. In one embodiment this is accomplished by receiving the bearer resource request message at the MME\_UE from the UE, wherein the bearer resource request message is corresponding to the UE<sup>TM</sup>s original bearer resource request, inspecting the received message by the MME\_UE and thereby creating bearer resource request for the plurality of MME of relay nodes, wherein the MMEs are identified by the Relay Node IDs, broadcasting the bearer resource request to all MME\_RN corresponding to the relay nodes by the MME\_UE and collating the responses received from all the MME\_RN<sup>TM</sup>s, such that UETM's EPS bearer can be admitted and thereby forwarding the response as an S1-AP message towards UE and RNs.

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2012

(21) Application No.1350/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN INTELLIGENT SEATING ARRANGEMENT FOR RELIEVING STRESS

(51) International classification	:A47C1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)JAYAPRAKASH SAVITHA HOSAMANE</b>
(32) Priority Date	:NA	Address of Applicant :539, 8TH MAIN ROAD,
(33) Name of priority country	:NA	VIJAYANAGAR, BANGALORE - 560 040 Karnataka India
(86) International Application No	:NA	<b>2)SRIRAM</b>
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)JAYAPRAKASH SAVITHA HOSAMANE</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SRIRAM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the field of seating arrangement. More particularly the present invention relates to a tickle inducing chair arrangement. It is a scientifically designed chair to improve health and well being of a person through laughter. This chair arrangement helps in tapping into peoples sense of humour in stressful times. This makes a person more emotionally flexible and helps them to deal with situations when he/she is in the midst of the difficulties. It acts as a great coping tool and restores a persons sense of balance and purpose during stressful times.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.2223/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : TELESCOPIC ACTUATOR

(51) International classification	:F16B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:11 54898	<b>1)MESSIER-BUGATTI-DOWTY</b>
(32) Priority Date	:06/06/2011	Address of Applicant :INOVEL PARC SUD, 78140 VELIZY VILLACOUBLAY France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)QUENERCH'DU, MARC</b>
Filing Date	:NA	<b>2)BALDUCCI, GERARD</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a telescopic actuator comprising a body (1) defining a cylindrical cavity of longitudinal axis (X) ; a rod (3) mounted to slide telescopically in the cylinder along the said axis; a nut (7) secured to the rod; a lead screw (4) mounted on the cylinder to extend along and rotate about the said axis (X) and collaborate with the nut in such a way that a rotation of the lead screw causes a telescopic movement of the rod in the cylinder; means (8, 9, 10) for driving the rotation of the lead screw. According to the invention, the nut is mounted on the rod to be axially retained thereon by retaining means (12, 13, 14; 30 to 38) which can be made to release the nut axially from the rod.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2012

(21) Application No.1156/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STABLE PHARMACEUTICAL COMPOSITION OF OMEPRAZOLE MAGNESIUM

(51) International classification	:A61K31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)AUROBINDO PHARMA LTD**

Address of Applicant :AUROBINDO PHARMA LTD PLOT NO.2, MAITRIVIHAR, AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India

(72)**Name of Inventor :**

**1)GAMPA RAVINDRANATH**

**2)VISHNUBHOTLA NAGAPRASAD**

**3)MEENAKSHISUNDERAM SIVAKUMARAN**

(57) Abstract :

The present invention relates to stable pharmaceutical composition comprising omeprazole or pharmaceutically acceptable salts thereof. More particularly, the present invention relates to stable pharmaceutical composition comprising omeprazole magnesium. The present invention further relates to a process for the preparation of stable pharmaceutical composition comprising omeprazole magnesium.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2012

(21) Application No.1157/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR COMMUNICATING INFORMATION BETWEEN VEHICLES

(51) International classification	:G08G
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GANESH GUDIGARA**

Address of Applicant :Sharada krupa No 1429 17th cross kumaraswamy layout 1st stage Bangalore 560078 Karnataka India Bihar India

(72)**Name of Inventor :**

**1)GANESH GUDIGARA**

(57) Abstract :

The embodiments herein provide a system and method for communicating information between vehicles. The vehicles are configured with onboard unit for receiving and transmitting the information. The onboard unit consists of LEDs each mapped for a particular external condition. Upon identification of one or more external conditions one or more LEDs will glow. Further when a user of the vehicle identifies one or more external conditions keys corresponding to the identified one or more external conditions are pressed in an input device associated with the vehicle. The input device transmits the information to the onboard unit and the onboard unit transmits the information to the nearest road side unit. The road side transmits the information to other nearest road side units in the communication network and to a central server.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1266/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CUT GRAIN DIP (CGD) METHOD WITH RAPID AMYLOSE DETECTION SOLUTION (RADS)  
FOR DETERMINING AMYLOSE CONTENT (AC) IN RICE

(51) International classification

:A01H

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Name of Applicant :

**1)TAMIL NADU AGRICULTURAL UNIVERSITY**

Address of Applicant :PROFESSOR AND HEAD,  
DEPARTMENT OF TRADE AND INTELLECTUAL  
PROPERTY, TAMIL NADU AGRICULTURAL UNIVERSITY,  
COIMBATORE 641 003 Tamil Nadu India

(72) Name of Inventor :

**1)DR. S. GANESH RAM**

**2)MR. SOMANATH AGASIMANI**

**3)MR. G. SELVAKUMAR**

**4)DR. A. JOHN JOEL**

---

(57) Abstract :

Cut grain dip (CGD) method is a novel procedure to assess the AC in rice grains. The procedure involves cutting the rice kernels in the middle with a pair of scissors and dipping the cut end in an optimized Iodide: Iodine (KI-I) solution named Rapid Amylose Detection Solution (RADS). Through experiments it was found that the time for deep blue colouration by the cut end of the grains after dipping in RADS is proportional to the AC. Based on time for colouration, a ready reckoner table was constructed for the estimation of AC in the rice grains. The ready reckoner was validated through the experiments with a large mutant population of rice. The simplicity and rapidity of this method as compared to the routine procedure makes it unique for assessment of AC in large breeding populations of rice in a cost effective manner. This CGD rapid AC detection method shall be a very useful and valuable tool to the rice breeders and biochemists engaged in screening programmes for isolating desirable AC in rice.

No. of Pages : 18 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1588/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SADDLE-RIDE TYPE VEHICLE ENGINE

(51) International classification	:F01N 13/00	(71)Name of Applicant : <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO Japan
(31) Priority Document No	:2011- 096832	(72)Name of Inventor : <b>1)TAJIRI, HIDEAKI</b> <b>2)IIDA, OMI</b> <b>3)SASAKI, TOMOHIKO</b>
(32) Priority Date	:25/04/2011	
(33) Name of priority country	:Japan	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Technical Problem] A saddle-ride type vehicle engine comprises an exhaust device having an exhaust muffler at its downstream end and connected to a cylinder head of an engine body mounted on a vehicle-body frame, in which at least a portion of a casing of the exhaust muffler is shaped in polygonal cross section. The exhaust muffler can be formed in an arbitrarily polygonal shape at low cost.  
[Solution] The casing 49 includes a circular cylinder 50 of circular cross section and a polygonal cylinder 51 having at least a portion of polygonal cross section and placed at the rearmost portion of the casing 49

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.4132/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTIPLE-USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT FOR HIGH-SPEED PACKET ACCESS SYSTEMS

(51) International classification	:H04B7/04
(31) Priority Document No	:61/262,105
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057116
Filing Date	:17/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.  
..

(72)**Name of Inventor :**

**1)BRUECK Stefan**

**2)BLANZ Josef J.**

**3)VITTHALADEVUNI Pavan Kumar**

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(57) Abstract :

A method for providing multiple-user multiple-input and multiple-output in a high-speed packet access system is described. Channel quality indicators are received from a plurality of dual stream capable wireless communication devices. A preferred beam and a secondary beam are determined for each wireless communication device using the channel quality indicators. Wireless communication devices with preferred beams orthogonal to each other are paired. A wireless communication device pair is selected. Data streams for the selected wireless communication device pair are scheduled in the same transmission time interval using an orthogonal variable spreading factor code.

No. of Pages : 42 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1254/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR ENGINEERING OF PLANT INFORMATION MANAGEMENT SYSTEM

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)ABB RESEARCH LTD.</b> Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050 ZURICH Switzerland
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)TARUN MATHUR</b>
(87) International Publication No	: NA	<b>2)STEFAN ZUEGER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RASHMI MOHAN</b>
Filing Date	:NA	<b>4)PRASHANT K DESAI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention generally relates to a computer implemented engineering framework for implementation in a production plant. The framework comprises a library module that comprises different graphic units as representations of the plant information. The framework comprises an engineering graphical user interface through which a user chooses appropriate graphic units from the library module. Each graphic includes configured plant information and the configured one or more key performance indices. The invention also relates to a method that enables the system of the invention.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1317/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INFORMATION MANAGEMENT POLICY BASED ON RELATIVE IMPORTANCE OF A FILE

(51) International classification	:G06F17/00	(71) <b>Name of Applicant :</b> <b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b> Address of Applicant :11445 COMPAQ CENTER DRIVE WEST HOUSTON, TX 77070 U.S.A.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)GAUTAM BHASIN</b> <b>2)KALAMBUR SUBRAMANIAM</b> <b>3)ALBRECHT SCHROTH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The relative importance of a file is determined based on an importance parameter and an information management policy is caused to be applied to the file based on the determined relative importance of the file. The importance parameter may be the author of the file, the number of users with whom the file is shared, the relationship between the users with whom a file is shared, the uniqueness of the file, or the presence of particular keywords in the file

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1593/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OPTICAL DISC DRIVE WITH USB INTERFACE

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(51) International classification	:G06F3/00
(31) Priority Document No	:11003744.7
(32) Priority Date	:06/05/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH**

Address of Applicant :BECKER-GORING-STR. 16, 76307  
KARISBAD Germany

(72)**Name of Inventor :**

**1)LOGES MATTHIAS**

(57) Abstract :

The present invention provides an automotive optical disc drive, wherein data communication to a host is performed via USB and drive activation upon insertion of a disc is automatically performed by controlling power supply to the USB interface by means of a mechanical disc-in-switch. Thereby, the invention enables to maintain a specific functionality of automotive disc drives having parallel or serial ATA interfaces in case of data communication via USB. Moreover, the invention enables reducing the number of required hardware wirings

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2012

(21) Application No.2587/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COAGULATION FACTOR IX COMPOSITIONS AND METHODS OF MAKING AND USING

(51) International classification	:C07K14/475
(31) Priority Document No	:61/236,493
(32) Priority Date	:24/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002148
Filing Date	:02/08/2010
(87) International Publication No	:WO 2011/028229 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)AMUNIX OPERATING INC.**

Address of Applicant :500 ELLIS STREET, MOUNTAIN VIEW, CALIFORNIA-94043 U.S.A.

(72)**Name of Inventor :**

**1)SCHELLENBERGER, VOLKER**

**2)SILVERMAN, JOSHUA**

**3)STEMMER, WILLEM, PETER**

**4)WANG, CHIA-WEI**

**5)SPINK, BENJAMIN**

**6)GEETHING, NATHAN, CARL**

**7)TO, WAYNE**

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(57) Abstract :

The present invention relates to compositions comprising factor IX coagulation factors linked to extended recombinant polypeptide (XTEN), isolated nucleic acids encoding the compositions and vectors and host cells containing the same, and methods of making and using such compositions in treatment of coagulation factor-related diseases, disorders, and conditions.

No. of Pages : 321 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.4305/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INCREASING CAPACITY IN WIRELESS COMMUNICATIONS

(51) International classification	:H04W16/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/075178
Filing Date	:27/11/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)**Name of Inventor :**

**1)LIANG Jiye**

**2)FAN Michael M.**

**3)XUE Yisheng**

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(57) Abstract :

Techniques to increase the capacity of a W-CDMA wireless communications system. In an exemplary embodiment early termination (400) of one or more transport channels on a W-CDMA wireless communications link is provided. In particular early decoding (421 423) is performed on slots as they are received over the air and techniques are described for signaling (431 432) acknowledgment messages (ACKs) for one or more transport channels correctly decoded to terminate the transmission of those transport channels. The techniques may be applied to the transmission of voice signals using the adaptive multi-rate (AMR) codec. Further exemplary embodiments describe aspects to reduce the transmission power and rate of power control commands sent over the air as well as aspects for applying tail-biting convolutional codes (1015) in the system.

No. of Pages : 60 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1179/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POWER GENERATION FROM IC ENGINE EXHAUST GAS USING LIQUID MAGNETO HYDRO DYNAMICS

(51) International classification	:F01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)G. KANNAN</b>
(32) Priority Date	:NA	Address of Applicant :OLD NO 19, NEW NO 83, MADURAI
(33) Name of priority country	:NA	ROAD, SIVAGANGAI, PIN - 630 561, SIVAGANGAI
(86) International Application No	:NA	DISTRICT Tamil Nadu India
Filing Date	:NA	<b>2)J. JOSE NISHANTH</b>
(87) International Publication No	: NA	<b>3)D. ARAVINDH</b>
(61) Patent of Addition to Application Number	:NA	<b>4)S. ARUN KUMAR</b>
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(62) Divisional to Application Number	:NA	<b>1)G. KANNAN</b>
Filing Date	:NA	<b>2)J. JOSE NISHANTH</b>
		<b>3)D. ARAVINDH</b>
		<b>4)S. ARUN KUMAR</b>

(57) Abstract :

Liquid magneto hydro dynamics (LMHD) power generation is a new system of electric power generation which is said to be of high efficiency and low pollution. As its name implies LMHD is concerned with the flow of conducting fluid in the presence of magnetic field and electrode. It differs from conventional generator by the nature of conductor. In LMHD generator the solid conductors are replaced by a liquid conductor. If such liquid is passed at high velocity through a powerful magnetic field results in the generation. To accelerate the liquid with high velocity we are using the waste IC engine exhaust gas instead of giving any external energy to drive the liquid. When this accelerated liquid passes through the MHD chamber, electricity will be generated. The green house effect, photochemical smog is a matter of deep concern for the conventional thermal power plant. The problem of nuclear waste management is a cause of great concern for nuclear thermal power plants. Fossil fuel energy responsible for ozone layer depletion is used in these power plants. Moreover, LMHD is free from the problems of pollution, waste disposal, ozone layer depletion, preheating, cooling, condensing, turbine, etc.

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1313/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MANAGING VIRTUAL MACHINES IN A CLOUD COMPUTING SYSTEM

(51) International classification	:G06F 21/00	(71) <b>Name of Applicant :</b> <b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b> Address of Applicant :11445 COMPAQ CENTER DRIVE WEST HOUSTON, TX 77070 U.S.A.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)NARSIMHA REDDY CHALLA</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a method of managing a virtual machine in a cloud computing system. Virtual servers present in a cloud computing system are organized into policy domains, wherein a policy domain is a group of virtual servers that share a common policy. Upon receipt of a request for creating a new virtual machine, a determination is made whether a policy of the new virtual machine corresponds to a policy of a policy domain. The new virtual machine is created in a policy domain whose policy corresponds with the policy of the new virtual machine.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1940/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE FOR ROTATIONALLY COUPLING A RING WITH A WHEEL AND AIRCRAFT LANDING GEAR EQUIPPED WITH SUCH A DEVICE

(51) International classification

:F16M

(31) Priority Document No

:11 54445

(32) Priority Date

:20/05/2011

(33) Name of priority country

:France

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)MESSIER-BUGATTI-DOWTY**

Address of Applicant :INOVEL PARC SUD, 78140 VELIZY  
VILLACOUBLAY France

(72)Name of Inventor :

**1)BUCHETON, DANIEL**

**2)REMOND, SEBASTIEN**

**3)ELUARD, GILLES**

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(57) Abstract :

The invention relates to a device (32) for rotationally coupling a wheel (10) with a ring (31) for driving the wheel (10) mounted so as to rotate coaxially with the wheel (10) . According to the invention the device (32) comprises a plurality of connecting members (60) each extending in a direction contained in a plane perpendicular to the axis of rotation and forming an angle with a radial direction, the connecting members (60) being pivotably mounted on the one hand on the wheel (10) and on the other hand on the ring (31) .

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.2250/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : AN AERODYNAMIC DEVICE FOR REGULATING TEMPERATURE AND PRESSURE IN A FLUID FLOW CIRCUIT

(51) International classification	:F23L
(31) Priority Document No	:11 54965
(32) Priority Date	:07/06/2011
(33) Name of priority country	:France
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)COCKERILL MAINTENANCE & INGENIERIE SA**

Address of Applicant :AVENUE GREINER, I, 4100,

SERAING Belgium

**(72)Name of Inventor :**

**1)BRAUD, YVES**

**2)FERRAND, LUDOVIC**

---

**(57) Abstract :**

A fluid regulator device having means for injecting one or more make-up fluids into a duct conveying the fluid to be regulated. Make-up fluids are injected selectively along at least two orientations. The means for selecting the orientation of injection are situated outside the main duct. A method of regulating a fluid, the method comprising a step of injecting one or more make-up fluids into a duct that conveys a flow of the fluid that is to be regulated.

No. of Pages : 10 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.4350/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING OPERATING SYSTEMS IN EMBEDDED SYSTEM

(51) International classification	:G06F9/48
(31) Priority Document No	:200910261692.4
(32) Priority Date	:24/12/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/079971
Filing Date	:18/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Huawei Device Co. Ltd.**

Address of Applicant :Building B2 Huawei Industrial Base  
Bantian Longgang District Shenzhen P.R. China. China

(72)**Name of Inventor :**

**1)ZHANG Jianchun**

(57) Abstract :

The present invention relates to the field of mobile communications and discloses a method and an apparatus for managing operating systems in an embedded system to solve the problem of great performance loss and high product complexity caused by the running of multiple operating systems on a single CPU in the prior art. The embedded system in embodiments of the present invention includes at least two operating systems and the method includes: receiving an interrupt instruction; saving the state of a currently running operating system; and switching the currently running operating system to a target operating system corresponding to the interrupt instruction. The method is mainly applicable to the field of mobile communications.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.2247/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LAMINATED SHEET AND COMPOSITE FORMED ARTICLE USING THE SAME

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(51) International classification	:C08J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2011-130071	<b>1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)</b>
(32) Priority Date	:10/06/2011	Address of Applicant :10-26, WAKINOHAMA-CHO 2-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MIURA, HODAKA</b>
Filing Date	:NA	<b>2)SUGIMOTO, AKIO</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

Disclosed are: a composite formed article which is usable even in a high-temperature environment and less suffers examination between a foamed resin sheet and a metal sheet; and a formed article precursor (laminated sheet) which enables the manufacture of the composite formed article. The laminated sheet includes a foamable resin sheet containing a resin and a foaming agent; and, provided on both sides of the resin sheet, a pair of metal sheets each through the medium of an adhesive. The resin has a melting point of 145°C or higher, and the adhesive has a melting point substantially equal to or higher than the melting point of the resin.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.4440/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD APPARATUS AND SYSTEM FOR COLLECTING STATISTICS OF REPLAYED MEDIA DATA

(51) International classification	:H04L1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2010/070677	China. China
Filing Date	:12/02/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)YANG Weiwei</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a method for collecting statistics of replayed media data. The method includes: A media gateway receives a statistics indication for collecting a replayed packet sent by a media gateway controller; and the media gateway determines, according to the statistics indication for collecting a replayed packet, whether received media data is a replayed packet, and counts a determined replayed packet. In the embodiments of the present invention, according to the statistics indication for collecting a replayed packet, the media gateway checks whether received media data is a replayed packet, and collects statistics of the replayed packets. Thereby, the media gateway protects security of the received media data and collects statistics of the status of received media data.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.4441/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR DYNAMIC CELL SEARCHING

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(51) International classification	:H04W52/02
(31) Priority Document No	:12/632,705
(32) Priority Date	:07/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058769
Filing Date	:02/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)**Name of Inventor :**

**1)DESHPANDE Yogen N.**

**2)UMATT Bhupesh M.**

(57) Abstract :

Systems and methods for signal detection are dynamic cell searching are disclosed. In one embodiment, the period according to which a channel is monitored is dynamically adjusted according to a condition of an electronic device. In another embodiment, between a first and second monitoring of a channel of a first cell, the amount of time searching for an second cell is dynamically adjusted according to a charging condition of an electronic device.

No. of Pages : 38 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.4442/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SOUNDING REFERENCE SIGNAL ENHANCEMENTS FOR WIRELESS COMMUNICATION

(51) International classification	:H04L5/00
(31) Priority Document No	:61/266,456
(32) Priority Date	:03/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058767
Filing Date	:02/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

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5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)**Name of Inventor :**

**1)LUO Xiliang**

**2)CHEN Wanshi**

**3)GAAL Peter**

**4)MONTOJO Juan**

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(57) Abstract :

A wireless communication method includes determining whether a wireless device desires dynamic sounding reference signal (SRS) resources and providing based on the determination a dynamic SRS resource allocation to the wireless device.

No. of Pages : 62 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.4443/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING A SELECT IP TRAFFIC OFFLOAD FOR MOBILE COMMUNICATIONS BASED ON USER LOCATION

(51) International classification	:H04W8/08
(31) Priority Document No	:61/266,897
(32) Priority Date	:04/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058978
Filing Date	:03/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)**Name of Inventor :**

**1)HORN Gavin Bernard**

**2)GIARETTA Gerardo**

**3)GRIOT Miguel**

**4)SONG Osok**

---

(57) Abstract :

Providing for select Internet Protocol traffic offload (SIPTO) in a mobile communication environment is described herein. By way of example SIPTO traffic can be facilitated via local packet gateways (P-GWs) that provide an interface to the Internet or a like data network in addition to a centralized gateway GPRS support node (GGSN). Eligibility for SIPTO can be on a user equipment (UE) by UE basis; for instance relying on stored subscription or account information to determine SIPTO eligibility. In particular aspects eligibility for SIPTO can also be based on a packet network by packet network basis or a combination of the foregoing. This enables flexibility in determining whether SIPTO can be established for a given UE in a given location and can be based for instance on UE capability subscription status information data network capability tariff rates and so on as well as different legal requirements of government jurisdictions.

No. of Pages : 69 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1202/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD APPARATUS AND COMPUTER PROGRAM PRODUCT FOR GENERATING PANORAMA IMAGES

(51) International classification	:G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)NOKIA CORPORATION**

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
Finland

(72)**Name of Inventor :**

**1)Veldandi Muninder**

**2)Basavaraja S V**

(57) Abstract :

In accordance with an example embodiment a method, apparatus and computer program product are provided. The method comprises facilitating receipt of a plurality of images and a plurality of image statistics associated with a scene and performing ordering of the plurality of images based at least on the plurality of image statistics. The method also includes generating a panorama image of the scene based at least on stitching the plurality of ordered images. In an example embodiment, an apparatus comprises at least one processor and at least one memory comprising computer program code. The apparatus is caused to perform facilitating receipt of a plurality of images and a plurality of image statistics associated with a scene, performing ordering of the plurality of images based at least on the plurality of image statistics, and generating a panorama image of the scene based at least on stitching the plurality of ordered images.

No. of Pages : 41 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1273/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VISUAL DETECTION OF MERCURY IONS

(51) International classification

:H01J

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS**

Address of Applicant :CHENNAI 600 036 Tamil Nadu India

(72)Name of Inventor :

**1)THALAPPIL, PRADEEP**

**2)MATHEW, AMMU**

**3)SAJANLAL, PANIKKANVALAPPIL**

**RAVINDRANATHAN**

(57) Abstract :

Composite materials comprising a mesoflower structure, methods of preparing the composite material, and methods of detecting heavy metal ion using the composite material are described herein. In some embodiments, a silica-coated gold mesoflower with a layer of silver quantum clusters may be capable of detecting Hg<sub>2</sub> ions in a sample at zeptomolar concentrations.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2012

(21) Application No.1337/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MOUNTING BRACKET FOR A TWO WHEELED VEHICLE

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(51) International classification

:F02M

29/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

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(72)Name of Inventor :

**1)PILKHANE NILESH BHANUDAS**

**2)MOHAMMED BASHA SHAIK**

**3)VENKATA MANGARAJU K**

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(57) Abstract :

Present invention discloses a mounting bracket for a two wheeled vehicle having unique multiple mounting arrangements for different components of vehicle such as air filter, carburettor and front guard. This bracket ensures multiple mounting of multiple components with high stability. Said bracket has a number of vertical sides spaced with a horizontal side such that vertical sides and horizontal side has mounting arrangements. The mounting bracket is fixed with the front frame member and the head pipe with the help of fasteners.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.4352/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR NOTIFICATION OF EMITTED ENERGY

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(51) International classification	:H04W52/04
(31) Priority Document No	:200910109651.3
(32) Priority Date	:13/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/078673
Filing Date	:12/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)REN Xiaotao

2)WAN Lei

3)YAN Zhiyu

4)ZHAO Yajun

5)FAN Xiaoan

---

(57) Abstract :

The present invention discloses a method and an apparatus for notification of emitted energy. The method includes: performing an emitted energy decrease on resource elements in a current cell that have a same lime-frequency location as part or all of resource elements where a reference signal of a neighboring cell is located; obtaining an emitted energy parameter of an energy non-decreased resource element (NRE) in the current cell according to a decreased amount of emitted energy of an emitted energy decreased resource element (DRE); and notifying the emitted energy parameter of the NRE to a user equipment (UE). According to embodiments of the present invention, the waste of emitted energy may be avoided, the emitted energy of part of REs is increased, and further, the signal to interference plus noise ratio (SINR) and throughput of service data may be increased.

No. of Pages : 34 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.4483/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR GENERATING LOW-JITTER CLOCK

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(51) International classification	:H03K23/00
(31) Priority Document No	:200910224251.7
(32) Priority Date	:25/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/079092
Filing Date	:24/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)Chang ZHOU

(57) Abstract :

The present invention discloses a method for generating a low-jitter clock including: inserting a time delay in each low-speed clock period to finely adjust a high-speed clock and then performing frequency division operation on the adjusted high-speed clock to obtain the required low-speed clock. The present invention also discloses an apparatus for generating the low-jitter clock at the same time. By using the method and the apparatus the jitter of the low-speed clock can be decreased. The implementation method is simple and convenient and the device cost is saved.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2012

(21) Application No.1139/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR INCREASING THE CAPABILITIES OF A MOBILE DEVICE

(51) International classification	:G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)PAVAN KUMAR KULKARNI**

**2)MANOJ VIJAYKUMAR JAJOO**

**3)ARCHANA SACHIN GHAG**

(57) Abstract :

A system and computer-implemented method for increasing the computational capabilities of a mobile device by initializing one or more virtual machines in cloud computing environment to run applications. The system and computer-implemented method comprising a manager module that stimulates an application on a virtual machine with a user's interactions with a rendered version of the application on a mobile device. REF FIG: 1

No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1209/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : RANKING OF JOBS AND JOB APPLICANTS

(51) International classification	:G06Q	(71) <b>Name of Applicant :</b> <b>1)INFOSYS LIMITED</b> Address of Applicant :IP CELL, PLOT NO 44, ELECTRONICS CITY, HOSUR ROAD, BANGALORE, 560 100 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A ranking system ranks applicants for a job. Eligible applicants are selected from a pool of applicants and are ranked based on business rules applied to information about the eligible applicants and information about the job. Scores are calculated for the business rules based on how well the applicant information matches the job information in areas such job skills, educational background, availability and pay. Additional information such as whether an employer or applicant does not wish to work together, and staffing firm expenses associated with eligible applicants can also be considered in the ranking process. The business rules can be weighted to achieve various ranking objectives, such as increasing staffing firm revenue or awarding higher rankings to applicants whose skills and educational background better match an employer's needs. The ranking system can also be used to rank jobs for an applicant.

No. of Pages : 54 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1279/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR DOCKING A DEVICE WITH RESPECT TO A TARGET DEVICE

(51) International classification	:G06F	(71) <b>Name of Applicant :</b> <b>1)KAMESWARAN VAIDYANATHAN</b> Address of Applicant :NO 15, MEDAVAKAM ROAD, SHOLINGANALLUR, CHENNAI - 600 119 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)KAMESWARAN VAIDYANATHAN</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for docking a medical device with respect to a Computer Tomography scanner table. The system includes a first part having a right side sphere and a left side sphere attached to the medical device and a second part having at least one of right floor plate and left floor plate secured to floor in the right side of the Computer Tomography scanner table and the left side of the Computer Tomography scanner table respectively. The right side sphere includes a first diameter, the right floor plate includes plurality of locating hole having a second diameter configured to receive the right side sphere and plurality of relief hole having a third diameter configured to receive the left side sphere. The first diameter is more than the second diameter and the third diameter is more than the first diameter.

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.4273/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR RECOVERING VIDEO MONITORING SERVICE

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(51) International classification	:H04L29/08
(31) Priority Document No	:200910207174.4
(32) Priority Date	:29/10/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/074317
Filing Date	:23/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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**1)Yanqing FENG**

**2)Ruiping WANG**

**3)Su ZHANG**

**4)Yang SUN**

(57) Abstract :

A method and system for recovering video monitoring service are disclosed in the present invention which belong to the video monitoring field. The method includes: dividing the fault information of POPs into different types and formulating video monitoring service recovery measures corresponding to different types of fault information; acquiring the fault information of the current POP; executing the video monitoring service recovery measure corresponding to the fault information according to the type of the fault information. The system includes: a dividing module an acquiring module and an executing module. The technical scheme provided by the invention can improve fault tolerance and stability of the system.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4520/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR MULTICAST BLOCK ACKNOWLEDGEMENT

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(51) International classification	:H04L 1/16
(31) Priority Document No	:61/267,734
(32) Priority Date	:08/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059583
Filing Date	:08/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)SAMPATH Hemanth**

**2)ABRAHAM Santosh Paul**

**3)MERLIN Simone**

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(57) Abstract :

A method for wireless communications is disclosed that includes generating and interpreting multicast block acknowledgement frames. Group identifiers and apparatus identifiers are used for indicating the presence of aggregated acknowledgement information and for extracting acknowledgement information for individual stations.

No. of Pages : 48 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1259/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF DPP-IV INHIBITORS

(51) International classification

:C07

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)SRINIVASAN THIRUMALAI RAJAN**

**2)SAJJA ESWARIAH**

**3)GHOJALA VENKAT REDDY**

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(57) Abstract :

The present invention provides processes for the preparation of (1S,3S,5S)-2-[(2S)-2-Amino-2-(3-hydroxyadamantan-1-yl)acetyl]-2-azabicyclo[3.1.0]hexane-3-carbonitrile represented by the following structural formula-1 and its pharmaceutically acceptable salts thereof.

No. of Pages : 48 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.4258/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VIRTUAL LAYER 2 AND MECHANISM TO MAKE IT SCALABLE

(51) International classification	:H04L29/12
(31) Priority Document No	:61/349,662
(32) Priority Date	:28/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/038443
Filing Date	:27/05/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DUNBAR Linda

2)MACK-CRANE Benjamin T.

3)HARES Susan

4)SULTAN Robert

5)ASHWOOD-SMITH Peter

6)YIN Guoli

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(57) Abstract :

An apparatus comprising a service network and a plurality of Layer 2 networks at a plurality of different physical locations coupled to the service network via a plurality of edge nodes at the Layer 2 networks wherein the edge nodes are configured to maintain a plurality of Internet Protocol (IP) addresses of a plurality of hosts across the Layer 2 networks and wherein the IP addresses of the hosts in each of the Layer 2 networks are mapped by the other Layer 2 networks to a Media Access Control (MAC) address of each of the edge nodes in the same Layer 2 networks of the hosts.

No. of Pages : 119 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.4259/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR SEAMLESS TRANSITIONS BETWEEN RADIO LINKS USING DIFFERENT FREQUENCY BANDS FOR DATA RECEPTION

(51) International classification	:H04L1/18
(31) Priority Document No	:61/263,265
(32) Priority Date	:20/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057523
Filing Date	:19/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)ABRAHAM Santosh Paul**

**2)TAGHAVI NASRABADI Mohammad Hossein**

**3)JAIN Avinash**

**4)SAMPATH Hemanth**

---

(57) Abstract :

A method for wireless communications is provided that includes receiving a plurality of packets using a first radio link from an apparatus; reconstructing an index for the plurality of packets for use in a second radio link; determining reception state information indicating whether each packet in the plurality of packets has been received correctly; and receiving additional packets based on the index and the reception state information. Apparatuses for performing the methods are also disclosed.

No. of Pages : 36 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.4260/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR FACILITATING A LAYERED CELL SEARCH FOR LONG TERM EVOLUTION SYSTEMS

(51) International classification	:H04J11/00
(31) Priority Document No	:61/264,221
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057892
Filing Date	:23/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)ZHANG Xiaoxia**

**2)LUO Tao**

(57) Abstract :

A method for ranking signals isolates and cancels neighboring cells using layering. Received signals from various cells are grouped into layers with each layer comprised of received signals which are comparable within a particular metric (such as signal strength). The signals within a particular layer may also be ranked according to a desired metric. At the beginning of a cancellation cycle the UE may perform the layering and ranking. Once the layering and ranking has been performed the UE may continue to use the layering and ranking for later rounds of cancellation freeing up processing resources that would otherwise be dedicated to repeated ranking of received signals. After a period of time the cancellation cycle may repeat and the layering and ranking may be performed again.

No. of Pages : 34 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.4517/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR RATE PREDICTION IN COORDINATED MULTI-POINT TRANSMISSION

(51) International classification	:H04B7/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/285,064	<b>1)QUALCOMM Incorporated</b>
(32) Priority Date	:09/12/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714 USA.
(86) International Application No	:PCT/US2010/059753	(72) <b>Name of Inventor :</b>
Filing Date	:09/12/2010	<b>1)BARBIERI Alan</b>
(87) International Publication No	: NA	<b>2)GOROKHOV Alexei Yurievitch</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A downlink cooperative multi-point (CoMP) framework of a wireless communication system reduces inter-node interference and increases channel gain by scheduling a user equipment (UE) based on improved interference estimates and gain estimates. The UE computes a gain scaling factor ( $\mu$ ) based on theoretical gain and actual gain for each available scheduling scenario and transmits the gain scaling factors to an anchor node of the UE's radio reporting set (RRS). The anchor node computes an internal scaling factor ( $v$ ) based on the received gain scaling factors ( $\mu$ ) to estimate an actual gain for the scheduling scenarios. The UE also periodically transmits quantized interference estimates to the anchor node. The anchor node predicts a rate for the scheduling scenarios and schedules the UE based on the internal scaling factor ( $v$ ) the gain scaling factors ( $\mu$ ) and the interference estimates.

No. of Pages : 54 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1277/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN ACTUATING MECHANISM OF AN AUXILIARY SIGNALING DEVICE

(51) International classification	:H04M
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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3)GNANARAJ CHARLES

4)SHAIKABDUL LATHEEF

5)ASHOK RICHHAWAL

(57) Abstract :

The present invention relates to an actuating mechanism of an auxiliary signaling device (100) having a housing (101) enclosing the actuating mechanism. The actuating mechanism comprises a toggle assembly (10) having an operating handle (12) extending outwardly from the housing. A pivotal latch member (30) is operatively interconnected with the toggle assembly through a linking member (20). A pivotal tripping bar member (40) is positioned within the housing in relation to the latch member, such that at least a portion of the latch member is in depress contact with at least a portion of the tripping bar member when the latch member is operated. First and second actuating lever members (50, 60) are rotatably actuated with respect to the pivotal movement of the tripping bar member. First and second micro switches (70, 80) are positioned within the housing in such a way that at least a portion of an extended arm section (58, 66) of the actuating lever members is in depress contact with an actuator (72, 82) of the micro switches when the actuating lever members are rotatably actuated. Such actuating mechanism of the auxiliary signaling device is capable of achieving reliable and accurate indication of the operating status of the electrical device. Further, it is simple and easy to assemble with the electrical device to be connected to it.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.1823/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SINGLE ANTENNA INTERFERENCE CANCELLATION IN A MOBILE COMMUNICATION SYSTEM

(51) International classification	:H04W
(31) Priority Document No	:11305560.2
(32) Priority Date	:10/05/2011
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**(72)Name of Inventor :**

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**2)HOLE DAVID PHILIP**

**3)KREUZER WERNER**

**4)FAURIE RENE**

---

**(57) Abstract :**

Methods, apparatus and articles of manufacture for single antenna interference cancellation in a mobile communication system are disclosed. An example method disclosed herein for a wireless device comprises determining a number of bursts to be received in a time division multiple access frame comprising a plurality of timeslots, and when the number of bursts exceeds a threshold number of bursts for which single antenna interference cancellation can be performed, performing single antenna interference cancellation for a subset of the bursts received in the time division multiple access frame.

No. of Pages : 95 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.4021/CHENP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING RESOURCES OF MACHINE-TO-MACHINE COMMUNICATION

(51) International classification	:H04W 72/00
(31) Priority Document No	:200910207162.1
(32) Priority Date	:29/10/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/077196
Filing Date	:21/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

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**2)DENG Yongfeng**

**3)ZHAO Yang**

**4)SHU Bing**

(57) Abstract :

The present invention discloses a method and device for resource management of machine to machine (M2M) communication relates to the technical field of M2M communication and resolves the problem in the prior art that the M2M communication gives an impact on the human to human (H2H) communication. The embodiment of the present invention is as follows: allocating M2M service dedicated channel to one or multiple M2M terminals for M2M communication wherein said one or multiple M2M terminals are the M2M terminals which share said M2M service dedicated channel; sending the access information of said M2M service dedicated channel to the M2M terminals which share said M2M service dedicated channel; receiving the data sent through said M2M service dedicated channel by the M2M terminals which share said M2M service dedicated channel. The embodiment of the present invention is mostly used in the communication network which provides service for M2M service.

No. of Pages : 51 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4589/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : COMPOSITION TO INDUCE SPECIFIC IMMUNE TOLERANCE

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(51) International classification	:A61K35/18
(31) Priority Document No	:61/255,250
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/066269
Filing Date	:27/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)ERYTECH PHARMA**

Address of Applicant :60 avenue Rockefeller F-69008 Lyon  
France

(72)Name of Inventor :

**1)GODFRIN Yann**

**2)BANZ Alice**

(57) Abstract :

The disclosure relates to a composition which induces in a host an immune tolerance to a peptidic or proteic active principle said composition comprising red blood cells containing an active principle selected from the group consisting of a therapeutic peptide polypeptide or protein a peptidic or proteic autoantigen peptide polypeptide or protein inducing an allergic reaction and a transplantation peptidic or proteic antigen..

No. of Pages : 43 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1228/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SECRETION OF FUNCTIONAL INSULIN GLARGINE DIRECTLY INTO THE CULTURE MEDIUM THROUGH OVER EXPRESSION OF KEX2P INTRACELLULARLY

(51) International classification	:C07K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)BIOCON LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :20th KM Hosur Road Electronic City
(33) Name of priority country	:NA	P.O. Bangalore 560 100 Karnataka India.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NAGARAJ GOVINDAPPA</b>
(87) International Publication No	: NA	<b>2)SUMA SREENIVAS</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KOMAL N KANOJIA</b>
Filing Date	:NA	<b>4)YOGESH BASAVARAJU</b>
(62) Divisional to Application Number	:NA	<b>5)KEDARNATH NANJUND SASTRY</b>
Filing Date	:NA	

(57) Abstract :

The disclosure relates to a process of obtaining a fully folded two chain insulin glargine that require no further processing to make it functionally active. The present disclosure discloses a surprising effect of over expression of Kex2p intracellularly under the control of inducible FLD1 promoter in the host Pichia pastoris to produce two chain functional glargine secreted directly in the medium. The schematic diagram of how the two chains are made inside the host Pichia pastoris and secretes into the medium.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1229/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND SYSTEM OF PROVIDING AN EFFICIENT BEARER SERVICE BETWEEN AT LEAST TWO END POINTS IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(57) Abstract :

The present invention relates to a method of providing an efficient bearer service between at least two end points in a wireless communication system. In one embodiment this can be accomplished by receiving a provisioning request on one of the end points for a virtual connection in order to provide a bearer service□ with specific QoS attributes checking to establish a feasible path between a plurality of intermediate nodes in order to serve the received request and establishing non-congruent path EPS bearer between two end points via intermediate nodes.

No. of Pages : 24 No. of Claims : 10

(71)Name of Applicant :

**1)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4  
Garbebhatti Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India

(72)Name of Inventor :

**1)Vinod Kumar Madaiah**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4580/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR OPTIMIZING PAGING MECHANISMS USING DEVICE CONTEXT INFORMATION

(51) International classification	:H04W 68/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/610,145	<b>1)Apple Inc.</b>
(32) Priority Date	:30/10/2009	Address of Applicant :1 Infinite Loop M/s 36-2-pat
(33) Name of priority country	:U.S.A.	Cupertino CA 95014 USA. U.S.A.
(86) International Application No	:PCT/US2010/054299	(72) <b>Name of Inventor :</b>
Filing Date	:27/10/2010	<b>1)BIENAS Maik</b>
(87) International Publication No	: NA	<b>2)CHOI Hyung-Nam</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatus enabling a wireless network to optimize paging channel operation based on mobile device context information. In one embodiment the wireless network is a cellular network (e.g. LTE-Advanced) and both base stations and cellular user devices dynamically exchange and maintain a paging agreement. The paging agreement limits the paging channel operation thereby minimizing unnecessary scanning and usage of irrelevant radio resources. Such paging mechanisms are limited to the air interface between the base station and the mobile device and are compatible with existing legacy devices and network entities. Networks with appropriately enabled user devices may improve their resource utilization. Base stations may advantageously reclaim freed-up cellular resources to support other services.

No. of Pages : 51 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4581/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BACKOFF PROCEDURE FOR POST DOWNLINK SDMA OPERATION

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(51) International classification	:H04W 74/00
(31) Priority Document No	:12/638,727
(32) Priority Date	:15/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/060611
Filing Date	:15/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.

(72)**Name of Inventor :**

**1)SRIDHARA Vinay**

**2)CHU Josephine Pui Kwan**

**3)ABRAHAM Santosh Paul**

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(57) Abstract :

Certain aspects of the present disclosure relate to a technique for decreasing a probability of post-backoff collisions that occur during uplink transmissions from multiple user stations (STAs) following completion of downlink transmission from an access point to the STAs.

No. of Pages : 43 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4582/CHENP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : DYNAMIC DISPERSION DETECTING METHOD AND APPARATUS

(51) International classification	:H04B 10/08
(31) Priority Document No	:200910222614.3
(32) Priority Date	:19/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/078608
Filing Date	:10/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Huawei Technologies Co. Ltd.**

Address of Applicant :Huawei Administration Building  
Bantian Longgang District Shenzhen Guangdong 518129 P.R.  
China. China

(72)Name of Inventor :

**1)YU Dezhong**

**2)MENG Fanming**

**3)XIE Junbo**

**4)XU Yu**

**5)ZENG Jiahong**

**6)DENG Binlin**

(57) Abstract :

A dynamic dispersion detecting method and apparatus are disclosed. The apparatus includes a tunable dispersion compensation module (101), a demodulator (102), a receiver (103), a partial band radio frequency power detecting unit (104), and an electrical signal ratio calculating unit (105). The method includes: demodulating a phase of a received optical signal; converting the demodulated optical signal into an electrical signal; sampling radio frequency power of the electrical signal to obtain an radio frequency signal; obtaining an electrical signal ratio of the radio frequency signal; and comparing a value of a currently detected electrical signal ratio with the values of the previously detected electrical signal ratios, tuning a dispersion compensation value according to a comparison result to find a peak electrical signal ratio, and obtaining a residual dispersion value of a system according to the peak electrical signal ratio.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1180/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AUTOMATED APPARATUS AND A NEW PUNCH BY WHICH AN INCISION CAN BE MADE BELOW THE FOLLICULAR UNIT

(51) International classification	:A61B	(71) <b>Name of Applicant :</b> <b>1)K. NAGASRINIVAS</b> Address of Applicant :28/30, 1ST CROSS S.N.PET, BELLARY - 583 101 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)K. NAGASRINIVAS</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A punch and method described to harvest follicular units from the skin for the purpose of hair transplantation. This punch consists a longitudinal hole in the wall of the punch in which memory alloy wire is inserted which can be manipulated from its distal end. The proximal end is curved and this wire can be retracted inside of the lumen of the punch wall. After scoring surrounding of the hair follicle , press the distal end of the wire so it extruded from the wall of the punch, because of precurved/ memory effect forms an arc and makes a cut in a horizontal direction. Doing this in multiple areas can cause an horizontal cut below the hair bulb and removal of hair follicular unit is facilitated by suction or other methods. By using various linear motors, encoders , actuators , solenoids, suction apparatus , traction gauge, traction devices, robotic arms total follicular unit extraction can be automated completely.

No. of Pages : 9 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1181/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A PUNCH DESIGN AND TRACTION METHOD FOR LESS TRANSECTION RATE IN FOLLICULAR UNIT EXTRACTION

(51) International classification

:A61B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)K. NAGASRINIVAS**

Address of Applicant :28/30, 1ST CROSS S.N.PET,  
BELLARY - 585 101 Karnataka India

(72)Name of Inventor :

**1)K. NAGASRINIVAS**

(57) Abstract :

a tubular punch design which is halo in shape and permits through and through passage of the hair follicle or elongated attached element, the attached element is attached to the hair follicle by various methods. By applying the sufficient traction on the attached element the hair follicle becomes straight or almost straight which facilitates its easy scoring without transecting the follicle. A traction gauge can be used to access the amount of traction with stands by hair follicles.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/05/2012

(21) Application No.1937/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SADDLE-RIDE TYPE VEHICLE

(51) International classification	:B62J	(71)Name of Applicant :
(31) Priority Document No	:2011-111492	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:18/05/2011	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)IKEDA, HIDEKI</b>
Filing Date	:NA	<b>2)ISHIGURI, YOSHIYUKI</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide a saddle-ride type vehicle in which intrusion of dirt, dust, and the like to an inside of a fender can be suppressed, and a shape of a rear side cover can be set freely. [Solution] A fender 58 includes opening parts 80L, R through which cushions 45L, R are penetrated, and covers 56L, R are arranged outwardly in the vehicle width direction with respect to the opening parts 80L, R. [Effect] Because the opening parts 80L, R are formed only in the fender 58, opening dimension can approximate outer diameter of the cushions 45L, R while ensuring functionality of the cushions 45L, R. When the opening dimension approximates the outer diameter of the cushions 45L, R, clearance between the opening parts 80L, R and the cushions 45L, R can be made small, and intrusion of dirt, dust, and the like into the fender 58 can be suppressed. In addition, because the covers 56L, R are away from the opening parts 80L, R, shapes of the covers 56L, R can be set freely independent of the opening parts 80L, R.

No. of Pages : 40 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/05/2012

(21) Application No.4064/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SIGNALING OF MULTIPLE-USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT TRANSMISSIONS IN HIGH-SPEED PACKET ACCESS SYSTEMS

(51) International classification	:H04B7/04
(31) Priority Document No	:61/262,115
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057114
Filing Date	:17/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA

(72)**Name of Inventor :**

**1)VITTHALADEVUNI Pavan Kumar**

**2)ZHANG Danlu**

**3)KAPOOR Rohit**

**4)HOU Jilei**

**5)BRUECK Stefan**

**6)BLANZ Josef J.**

---

(57) Abstract :

A method for signaling multiple-user multiple-input and multiple-output in a high speed packet access system is described. A multiple-user multiple-input and multiple-output parameter is determined. A message that includes the multiple-user multiple-input and multiple-output parameter is determined. The message is sent to a wireless device. The method may be performed by a user equipment a Node B or a radio network controller.

No. of Pages : 73 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4681/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF NANO-SCALED GRAPHENE PLATELETS WITH A HIGH DISPERSIBILITY IN LOW-POLARITY POLYMERIC MATRIXES AND RELATIVE POLYMERIC COMPOSITIONS

(51) International classification	:C01B31/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:MI2009A001920	<b>1)versalis S.p.A.</b>
(32) Priority Date	:03/11/2009	Address of Applicant :Piazza Boldrini 1 20097 San Donato
(33) Name of priority country	:Italy	Milanese (Milano) Italy
(86) International Application No	:PCT/IB2010/002762	(72) <b>Name of Inventor :</b>
Filing Date	:27/10/2010	<b>1)FELISARI Riccardo</b>
(87) International Publication No	: NA	<b>2)VALENTINO Olga</b>
(61) Patent of Addition to Application Number	:NA	<b>3)CASALINI Alessandro</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the production of nano-scaled graphene platelets which comprises: a) putting a graphite material in contact with molecular or atomic oxygen or a substance capable of releasing molecular or atomic oxygen obtaining a precursor consisting of graphite material functionalized with oxygen groups (FOG) characterized by a carbon/oxygen molar ratio higher than 8:1 b) subsequently reducing (chemically or physically) said FOG precursor obtaining nano-scaled graphene platelets characterized by a carbon/oxygen molar ratio higher than 20:1

No. of Pages : 39 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1194/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR GEO-CODING UNSTRUCTURED ADDRESS INFORMATION

(51) International classification	:G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NOKIA CORPORATION**

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
Finland

(72)**Name of Inventor :**

**1)Deepti Chafekar**

**2)Umesh Chandra**

**3)Kuldeep Yadav**

**4)Sneha Shukla**

**5)Deepak Prabhu Desai**

(57) Abstract :

An approach is provided for geo-coding unstructured address information. A geo-coding platform processes and/or facilitates a processing of one or more address records to determine one or more fields. The geo-coding platform then determines one or more scores for the one or more fields based, at least in part, on one or more probabilities that the one or more fields specify one or more landmarks. The geo-coding platform then determines to geo-code the one or more address records based, at least in part, on a geo-coding of the one or more landmarks identified in the at least one of the one or more fields.

No. of Pages : 60 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1195/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A METHOD AND SYSTEM TO COMPUTE EFFICIENCY OF AN AUTOMATION INFRASTRUCTURE OF A PLANT

(51) International classification	:G05B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)YOKOGAWA ELECTRIC CORPORATION**

Address of Applicant :9-32 2-chome Nakacho Musashino-shi Tokyo 180-8750 Japan

(72)**Name of Inventor :**

**1)NAVEEN KASHYAP**

(57) Abstract :

The method and systems of the embodiments proposes to calculate Effectiveness of the Automation infrastructure of the plant by monitoring the control loop information using 3 primary data perspectives like availability conformity and efficiency by acquiring all data from the Distributed Control Systems (DCS)/Process Control Systems (PCS).

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1196/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AUXILIARY ATTACHMENT FOR A SIDE STAND FOR A TWO WHEELER

---

(51) International classification	:B60R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)B.M.S College of Engineering</b>
(32) Priority Date	:NA	Address of Applicant :B.M.S College of Engineering PB
(33) Name of priority country	:NA	NO.1908 Bull Temple road Bangalore Karnataka Sikkim India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Sharan Basavaraja</b>
(87) International Publication No	: NA	<b>2)Adil Pasha</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

An auxiliary attachment is provided for moving a side stand of a two wheeler vehicle from a deployed position to a retracted position. The auxiliary attachment includes a spring actuated ratchet; and a pawl lever mechanism coupled to the spring actuated ratchet for locking and unlocking the side stand. The auxiliary attachment is mounted at a spaced apart distance from the side stand in the exemplary embodiment. A method of operating the side stand of the two wheeler vehicle is also provided using the auxiliary attachment that allows for automatic retraction of the side stand as the two wheeler is started ensuring safety for the driver and the two wheeler.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2012

(21) Application No.1462/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : YARN WINDING DEVICE AND YARN UNWINDING METHOD

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(51) International classification	:B65H49/00	(71) <b>Name of Applicant :</b> <b>1)MURATA MACHINERY, LTD.</b> Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(31) Priority Document No	:2011-173598	
(32) Priority Date	:09/08/2011	
(33) Name of priority country	:Japan	Japan
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)KEN MIYANO</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

A yarn unwinding assisting device (20) of a yarn winding unit (1) includes a movable cylinder (31) that, during yarn unwinding from a yarn feeding bobbin (8), is to be put on to cap an end portion on a side from which a yarn is unwound of the yarn feeding bobbin (8) to thereby regulate a bulge of a curved path of the yarn. An inner diameter of the movable cylinder (31) is greater than or equal to 28 mm and less than or equal to 30 mm. Most Illustrative Diagram:

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4679/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : APPARATUS AND METHOD FOR SYNCHRONIZING E-BOOK CONTENT WITH VIDEO CONTENT AND SYSTEM THEREOF

(51) International classification	:G06F15/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0104534	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:30/10/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 442-742 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/007469	<b>1)MYOUNG-JONG SONG</b>
Filing Date	:28/10/2010	<b>2)MYUNG-JIN EOM</b>
(87) International Publication No	: NA	<b>3)IK-SOO KIM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A first exemplary embodiment is directed to a technology for connecting over a wired and/or wireless communication network a first device for displaying video content to a second device spaced apart from the first device and displaying E-book content associated with the video content and synchronizing playback and/or search for the video content and the E-book content.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4680/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR OPERATING A CONVERTER CIRCUIT AND APPARATUS FOR CARRYING OUT THE METHOD

(51) International classification	:H02M5/297	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09177578.3	<b>1)ABB Schweiz AG</b>
(32) Priority Date	:01/12/2009	Address of Applicant :Brown Boveri Strasse 6 CH-5400 Baden Switzerland
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/067378	<b>1)KORN Arthur</b>
Filing Date	:12/11/2010	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention specifies a method for operating a converter circuit, with the converter circuit having n input phase connections (U1, V1, W1) and p output phase connections (U2, V2, W2), where  $n \geq 2$  and  $p \geq 2$ , comprising (rvp) two-pole switching cells (2) for switching at least one positive and at least one negative voltage between the poles, with each output phase connection (U2, V2, W2) being connected in series to each input phase connection (U1, V1, W1) in each case by means of a switching cell (2), and each switching cell (2) having drivable bidirectional power semiconductor switches with a controlled unidirectional current guidance direction, and a capacitive energy storage means, in which method the power semiconductor switches of the switching cells (2) are driven by means of a drive signal (S1). In order to reduce undesired circulating currents and to adjust the mean voltage deviation of the capacitive energy storage means of all the switching cells (2) to zero, at least one inductance (6) is connected into each series connection, with a switching cell (2) together with an inductance (6) in each case forming a phase module (1), and, for each phase module (1), the drive signal (S1) being formed from a reference signal (Vref,U1) in respect of the voltage (U1) across the phase module (1) and from a voltage signal (VL) across the inductance (6), and the voltage signal (VL) across the inductance (6) being formed from an intermediate setpoint value ( $\Delta i_{u1}$ ) of the current ( $i_{u1}$ ) through the phase module (1). The invention also specifies apparatuses for carrying out the method.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1255/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND AN APPARATUS FOR EVENT MANAGEMENT IN A PLANT AUTOMATION SYSTEM

(51) International classification	:G05B	(71) <b>Name of Applicant :</b> <b>1)ABB RESEARCH LTD.</b> Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050 ZURICH Switzerland
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)WAGESH KULKARNI</b>
(87) International Publication No	: NA	<b>2)GAURAV BHARGVA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LAXMI BHAVANI NERELLA</b>
Filing Date	:NA	<b>4)SANJAY TRIPATHI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for event/alarm management in a plant automation system and more specifically a method to gather and process information from field devices in a process plant along with structural, historical and expert information to create a human machine interface for effective event/alarm management in a plant automation system. The method comprises the steps of detecting an event in the plant automation to produce event information that is then processed with a cause and effect analyzer to determine one or more related events information. The event information and one or more related events information are prioritized with a priority engine to obtain prioritized event and related events information. Further, the prioritized event and related events information are processed with a visualization engine to determine features of one or more visualization elements for the human machine interface and then the visual elements according to the determined features of one or more visualization elements are generated to have the human machine interface to manage events in the plant automation system. An apparatus based on the method is also provided. Figure 1.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.3972/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM INFORMATION ACQUISITION IN CONNECTED MODE

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(51) International classification	:H04W76/04
(31) Priority Document No	:12/614,339
(32) Priority Date	:06/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055493
Filing Date	:04/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)**Name of Inventor :**

**1)RAMACHANDRAN Vivek V.**

**2)KUMAR Vanitha A.**

**3)MAHAJAN Amit**

(57) Abstract :

A method of wireless communication includes acquiring at least one non-required system information from a cell while in a radio resource control connected state. The non-required system information is system information that is not required in the radio resource control connected state. The method includes transitioning from the radio resource control connected state to a radio resource control idle state on the cell without acquiring the at least one non-required system information.

No. of Pages : 38 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4700/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OXYGEN SEPARATION METHOD

(51) International classification	:B10D53/22
(31) Priority Document No	:09179682.1
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055787
Filing Date	:14/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)HILBIG Rainer**

(57) Abstract :

The invention relates to a method of separating oxygen from an oxygen containing gas said method comprising the steps of: compressing and heating the oxygen containing gas in a plasma pump (16) guiding the heated and compressed oxygen containing gas to the primary side of a dense inorganic membrane (58) thereby heating the inorganic membrane by the oxygen containing gas to a temperature at which it is permeable for oxygen and creating a pressure difference between the primary side and a secondary side of the inorganic membrane (58) wherein an oxygen flow through the inorganic membrane (58) is created thereby separating the oxygen from the oxygen containing gas.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4701/CHENP/2012 A

(43) Publication Date : 04/10/2013

(54) Title of the invention : LIGHT EMITTING DIODE DEVICE WITH LUMINESCENT MATERIAL

(51) International classification	:C09K11/64
(31) Priority Document No	:09179553.4
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055733
Filing Date	:10/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MEYER Joerg

2)WEILER Volker

3)SCHMIDT Peter Josef

(57) Abstract :

The invention provides a light emitting diode device comprising a light emitting diode (1, 11) arranged on a substrate (2, 12) and a wavelength converting element (3, 13, 14). The wavelength converting element (3, 13) contains as a luminescent material a Mn<sup>4+</sup>-activated fluoride compound having a garnet-type crystal structure. The Mn<sup>4+</sup>-activated fluoride compound preferably answers the general formula {A3}[B<sub>2-x-y</sub>MnxMgy](Li<sub>3</sub>)F<sub>12-d</sub>O<sub>d</sub>, in which formula A stands for at least one element selected from the series consisting of Na<sup>+</sup> and K<sup>+</sup> and B stands for at least one element selected from the series consisting of Al<sup>3+</sup>, B<sup>3+</sup>, Sc<sup>3+</sup>, Fe<sup>3+</sup>, Cr<sup>3+</sup>, Ti<sup>4+</sup> and In<sup>3+</sup>, and in which formula x ranges between 0.02 and 0.2, y ranges between 0.0 (and incl. 0.0) and 0.4 and d ranges between 0 (and incl. 0) and 1. Said compound is most preferably {Na<sub>3</sub>}[Al<sub>2-x-y</sub>MnxMgy](Li<sub>3</sub>)F<sub>12-d</sub>O<sub>d</sub>. The invention also provides said material as well as a method for its preparation. As the luminescent materials of the described type and structure have high stability and low sensitivity towards humid environments, they can advantageously be used as in wavelength conversion elements of LED devices.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1167/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ODORLESS INSOLUBLE FIBERS FROM PEEL AND HUSK OF GARLIC, ALLIUM SATIVUM

(51) International classification

:C03C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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**2)KRISHNAMOORTHY MUTHUSAMY**

**3)KATHIRAVAN VEERAMALAI**

**4)KASTHURI ARAVINTHAN**

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(57) Abstract :

The invention claims odorless fibers of Allium sativum obtained by ozone treatment and a process for preparation

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1168/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : EGG MEMBRANE HYDROLYSATE, PROCESS FOR ITS PREPARATION

(51) International classification

:C12N

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

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Filing Date

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2)KASTHURI ARAVINTHAN  
3)SRIRAJ SRINIVASAN  
4)KATHIRAVAN VEERAMALAI**

(57) Abstract :

A egg membrane hydrolysate obtained by treating egg membrane with alkaline protease.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1294/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A distributed Optical Line Terminal (OLT) network architecture

(51) International classification	:H04J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)GAJENDRA RANKA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GOVINDAN KUTTY THRITHALA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a field of passive optical network (PON) and in particular the passive optical networks to have a distributed network. In one embodiment the network includes a plurality of optical line terminal server (OLT-S) associated over Optical Transport Network (OTN) backhaul interface a plurality of OTN aggregation elements allied to at least one OLT-S and a plurality of optical line terminal client (OLT-C) configured to receive traffic from OLT- S via at least one OTN aggregation element wherein the logical OLT port is processed by OLT-S and multiple OLT-C distributed via OTN network.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4696/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AMBIENCE CINEMA LIGHTING SYSTEM

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(51) International classification	:H05B37/02
(31) Priority Document No	:09179581.5
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055766
Filing Date	:13/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)VAN HERPEN Maarten Marinus Johannes Wilhelmus**

**2)KRIJN Marcellinus Petrus Carolus Michael**

(57) Abstract :

The present invention relates to a method for providing an ambience light effect in a cinema comprising a cinema display screen arranged on a front wall of the cinema and a plurality of light sources comprising receiving first and second image content to be sequentially displayed on the cinema display screen determining at least one of a color and intensity for the second image content determining a second set of control data for controlling the plurality of light sources to emit an ambient light effect based on at least one of the color and intensity for the second image content and associating the second set of control data with the first set of image content. Advantages with the invention include the possibility to provide an improved ambient lighting experience by using the extra space□ specifically available in a cinema e.g. walls floor and ceiling.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4697/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : UNIVERSAL MEDICAL DEVICE DRIVER ADAPTER

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(51) International classification	:G06F19/00
(31) Priority Document No	:61/287014
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055270
Filing Date	:18/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)Name of Inventor :

**1)MCQUAID William C.**

**2)BOTZER Thomas J.**

(57) Abstract :

A universal medical device driver adapter that enables the creation of medical device drivers without the need to write custom software for typical medical devices thereby reducing development time for individual drivers and reducing training time and skill sets requirements of driver developers. Various format parameters are defined such as baud rate parity buffer size time stamps tokens message link and the like in an XML device driver file. When a recognized medical device is specified the corresponding XML file is retrieved and an interface uses the parameters described therein for bidirectional communication with the monitor.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4698/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : GRATING DISC FOR A FOOD PROCESSOR

(51) International classification	:A47J43/25
(31) Priority Document No	:09179556.7
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055740
Filing Date	:10/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)FISTER Ines**

**2)GAERTNER Thomas Johannes**

**3)OBERSTEINER Heimo**

**4)BRENNER Claudio**

**5)HOLZBAUER Juergen**

---

(57) Abstract :

A grating disc (4) arranged to be rotatably mounted within a food processor (1) to rotate in a direction of rotation (26) which grating disc (4) comprises at least one grating tooth (24) for grating food to be processed. The grating disc (4) comprises at least one groove (28) extending from an inner region (21) to an outer edge (22) of the grating disc (4) to assist in guiding food particles outwardly during use of the food processor (1). With the provision of a grating disc in accordance with the present invention improved output of processed food is accomplished in that the at least one groove with assistance of centrifugal force guides the processed food outwardly for retrieval.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1287/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A METHOD AND SYSTEM FOR MANAGING MOBILE MANAGEMENT ENTITY (MME) IN A TELECOMMUNICATION NETWORK

(51) International classification	:H04W	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Vinod Kumar Madaiah</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system for managing MME in a telecommunication network. In one embodiment this is accomplished by receiving the bearer resource request message at the MME\_UE from the UE wherein the bearer resource request message is corresponding to the UE's original bearer resource request inspecting the received message by the MME\_UE in order to identify presence of RN\_ID if any requesting to receive by the MME\_UE from the MME\_RNs for RNTM's management context information™ wherein management context includes all information that enables taking over the function of MME\_RN by the MME\_UE and consolidating the MME\_UE and MME\_RNs function within the MME as MME\_UE\_RNs so that for all future response to the received request will be managed by MME\_UE\_RN.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1288/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ASSEMBLING MECHANISM FOR ENCLOSURE

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(51) International classification	:H05K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Basavaraja M</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Prashanth Pavithran</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

The present invention provides an assembling mechanism for enclosure the mechanism comprising a rear cover having at least one protruded portion and an enclosure cover having at least one notch wherein the protruded portion of the rear cover is assembled with the notch such that the notch acts as a stopper for the rear cover.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1289/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN ARRANGEMENT FOR INSERTION OF ADDITIONAL CARD

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(51) International classification	:H01R
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)Tejas Networks Limited**

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(72)**Name of Inventor :**

**1)Vyshakh Pavithran**

**2)Basavaraja M**

(57) Abstract :

The present invention provides an arrangement for insertion of additional mezzanine card the arrangement comprises at least two mezzanine card placed one over the other at least one connector each for the mezzanine card accommodated within the available space a latch handle and ESD socket provided as a combined arrangement thereby occupying less space; wherein the arrangement enables unobstructed insertion of cable as the Latch handle and ESD socket occupies less space.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4692/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : USE OF COLLECTION OF PLANS TO DEVELOP NEW OPTIMIZATION OBJECTIVES

(51) International classification	:G06T7/00
(31) Priority Document No	:61/286860
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055268
Filing Date	:18/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)BAL Matthieu**

(57) Abstract :

A radiation therapy system includes a diagnostic image scanner (12) which acquires a multidimensional dataset of a subject that is reconstructed into at least one image representation of an object of interest. An image processing apparatus (72) of radiation therapy system includes a segmentation unit (74) which identifies a surface contour of the object of interest or other critical structures. A masking unit (82) determines a non-constant margin based on the identified surface contour and appends the determined non-constant margin to the identified surface contour. The non-constant margin is based on at least one of anisotropic motion surface morphology positional uncertainty proximity to other organs and probability of dose distribution. A planning processor (70) generates a radiation therapy plan which limits the delivery of therapeutic radiation to anatomy associated with the surface contour and appended non-constant margin. A radiation delivery system (40) delivers therapeutic radiation according to the generated plan.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4693/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SLEEP MANAGEMENT VENDING KIOSK AND ASSOCIATED METHOD

(51) International classification	:G07F11/00
(31) Priority Document No	:61/286927
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055201
Filing Date	:16/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)SMITH David W.**

**2)SOFRANKO Richard Andrew**

**3)COLDREN Kevin Anthony**

---

(57) Abstract :

A sleep management related vending kiosk is provided that includes a main housing a processing unit provided within the main housing a vending apparatus provided at least partially within the main housing the vending apparatus storing a plurality of respiratory patient interface device products and being structured to selectively vend the respiratory patient interface device products under control of the processing unit. In a further embodiment a facial scanning module is provided at least partially within the main housing including a scanning device for scanning a face of a patient. The processing unit is programmed to recommend and cause the vending apparatus to vend one of the respiratory patient interface device products based on the scanning of the face of the patient.

No. of Pages : 21 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4682/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : OXYGEN ENRICHMENT DEVICE

(51) International classification	:A61M16/10
(31) Priority Document No	:2009-252056
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069766
Filing Date	:29/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)ANDO Makoto**

**2)KIRIAKE Hisashi**

(57) Abstract :

Disclosed is an oxygen enrichment that can follow changes in adsorption performance in response to changes in the temperature of the usage environment and can reduce power consumption. The oxygen enrichment device has a purge step control means that controls a purge step time to increase/decrease the length of a purge step so as to maximize the oxygen concentration by changing opening/closing timing of a flow-channel switching means while the oxygen enrichment device is running.

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4683/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : GALVANIC ELEMENTS CONTAINING OXYGEN-CONTAINING CONVERSION ELECTRODES

(51) International classification	:H01M10/052
(31) Priority Document No	:10 2009 046 916.8
(32) Priority Date	:20/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/067756
Filing Date	:18/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Chemetall GmbH**

Address of Applicant :Trakehner Strasse 3 D-60487 Frankfurt am Main Germany

(72)Name of Inventor :

**1)WIETELMANN Ulrich**

(57) Abstract :

The invention relates to a galvanic element containing a substantially transition metal-free oxygen-containing conversion electrode a transition metal-containing cathode and an aprotic lithium electrolyte. The substantially transition metal-free oxygen-containing conversion electrode materials contain lithium hydroxide and/or lithium peroxide and/or lithium oxide and in the charged state additionally contain lithium hydride and are contained in a galvanic element for example a lithium battery as the anode. The invention further relates to methods for producing substantially transition metal-free oxygen-containing conversion electrode materials and to galvanic elements comprising substantially transition metal-free oxygen-containing conversion electrode materials.

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4684/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ORTHOESTER DERIVATIVES OF CROWN ETHERS

(51) International classification	:C07D323/00
(31) Priority Document No	:09014693.7
(32) Priority Date	:25/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/068224
Filing Date	:25/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ARISGEN SA**

Address of Applicant :14 chemin des Aulx CH-1228 Planles-Ouates (CH) Switzerland

(72)**Name of Inventor :**

**1)BOTTI Paolo**

**2)TCHERTCHIAN Sylvie**

**3)THEURILLAT Doriane**

(57) Abstract :

The present disclosure relates to a crown ether of formula (I) wherein m is 4, 5, 6, 7, or 8 and i is, independently for each occurrence, 1 or 2; at least one occurrence in the crown ether of R1, R2 and the carbon to which R1 and R2 are attached, said carbon being bound directly to an ether oxygen of formula (I), form together a group of formula (II) wherein L is a linker which is absent or selected from a covalent bond and (CR<sub>5</sub>R<sub>6</sub>)<sub>n</sub>, useful as carriers for pharmaceutical and diagnostic compositions.

No. of Pages : 64 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4685/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MEMORY CARD AND METHOD FOR STORAGE AND WIRELESS TRANSCEIVING OF DATA

(51) International classification	:G06K19/06
(31) Priority Document No	:PCT/SG2009/000461
(32) Priority Date	:01/12/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/SG2010/000183
Filing Date	:14/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)T-DATA SYSTEMS (S) PTE LTD**

Address of Applicant :A company organised and existing under the laws of Singapore 1 Palm Drive Singapore 456458 Singapore

(72)**Name of Inventor :**

**1)TAN Joon Yong Wayne**

(57) Abstract :

A memory card 200 is provided that is configured to be used in a digital camera 100 having an inbuilt processor 104 incapable of independently exporting digital data externally of the digital camera 100 or independently importing digital data from externally of the digital camera 100. The memory card 200 comprises a wireless transceiver module 204 being operably connected to at least one of a central processor 202 and a storage module 206; and is configured to wirelessly receive the digital data transmitted to the digital camera 100 and to wirelessly transmit the digital data from the digital camera 100.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4687/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD OF PLANTING A SEED PLANT BUSH OR TREE AND A DRILL

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(51) International classification	:A01C5/04
(31) Priority Document No	:2003908
(32) Priority Date	:04/12/2009
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2010/050821
Filing Date	:06/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)HOLDING P.M.M. HOFF B.V.**

Address of Applicant :Franseweg 9 NL-4651 PV  
Steenbergen The Netherlands.

(72)Name of Inventor :

**1)HOFF PETRUS MATTHEUS MARIA**

(57) Abstract :

The invention relates to a drill for realizing a partially tapered bore hole in a soil covering a hardpan layer. The drill comprises a rotatable drivable unit that is provided with a carrying structure and a multiple number of cutting elements carried by the carrying structure. The multiple number of cutting elements are arranged along a line extending substantially radially and outwardly from central axis of the rotatable drivable unit. Further lower ends of cutting elements in radial inner section are mainly positioned in a plane transversely to the rotation axis of the rotatable drivable unit. On the other hand lower ends of cutting elements in a radial outer section are mainly positioned in a downwardly tapered surface having a symmetry axis coinciding with the rotation axis of the rotatable drivable unit. The lower ends of the cutting elements may subscribe during rotation a truncated cone surface

No. of Pages : 37 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.4445/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR ISOLATING AN ALKANOL FROM AN AQUEOUS BIOTRANSFORMATION MIXTURE

(51) International classification	:C07C29/82
(31) Priority Document No	:09176942.2
(32) Priority Date	:24/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/068139
Filing Date	:24/11/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)BASF SE**

Address of Applicant :67056 Ludwigshafen Germany

(72)**Name of Inventor :**

**1)DAUWEL JURGEN**

**2)BREUER MICHAEL**

**3)HAUER BERNHARD**

---

(57) Abstract :

The invention relates to the isolation of an alkanol from an aqueous biotransformation mixture in that a) a first alkanol phase is obtained by means of distilling out an alkanol-water azeotrope from the aqueous biotransformation mixture and if the azeotrope is a heteroazeotrope phase separating the azeotrope and separating out an aqueous phase b) a second alkanol phase is obtained by (i) liquid/liquid extracting the first alkanol phase using a solvent as an extracting agent or (ii) azeotropic drying the first alkanol phase in the presence of the solvent as a carrier agent and c) the second alkanol phase is fractionally distilled producing a pure alkanol fraction. The biotransformation mixture is obtained for example by means of reducing an alkanol in the presence of an alcohol dehydrogenase. The method is adapted to the severe dilution of the products of value in the biotransformation mixture and works without long phase separation times when extracting by means of organic solvents.

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4712/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN APPARATUS FOR SEGREGATING PARTICLES AND A METHOD THEREOF

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(51) International classification

:C12Q1/24

(31) Priority Document No

:61/264,918

(32) Priority Date

:30/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/058172

Filing Date

:29/11/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

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America. ..

(72)Name of Inventor :

**1)HVICHIA GEORGE**

**2)COUNTS DAVID**

**3)EVANS GARY**

---

(57) Abstract :

The disclosure relates to an apparatus for segregating particles on the basis of their ability to flow through a stepped passageway. At least some of the particles are accommodated in a passage bounded by a first step but at least some of the particles are unable to pass through a narrower passage bounded by a second step resulting in segregation of the particles. The apparatus and methods described herein can be used to segregate particles of a wide variety of types. By way of example they can be used to segregate fetal-like cells from a maternal blood sample such as maternal arterial blood.

No. of Pages : 84 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4713/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DYNAMIC MANAGEMENT OF DESTAGE TASKS IN A STORAGE CONTROLLER

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(51) International classification	:G06F 12/08
(31) Priority Document No	:12/697,385
(32) Priority Date	:01/02/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/050101
Filing Date	:05/01/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

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Address of Applicant :New Orchard Road Armonk New York 10504 USA

(72)**Name of Inventor :**

**1)GUPTA Lokesh Mohan**

**2)ASH Kevin John**

(57) Abstract :

Method system and computer program product embodiments for facilitating data transfer from a write cache and NVS via a device adapter to a pool of storage devices by a processor or processors are provided. The processor(s) adaptively varies the destage rate based on the current occupancy of the NVS for a particular storage device and stage activity related to that storage device. The stage activity includes one or more of the storage device stage activity device adapter stage activity device adapter utilized bandwidth and the read/write speed of the storage device. These factors are generally associated with read response time in the event of a cache miss and not ordinarily associated with dynamic management of the destage rate. This combination maintains the desired overall occupancy of the NVS while improving response time performance.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4714/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PERSONALIZED TAG RANKING

(51) International classification	:G06F 17/30
(31) Priority Document No	:12/688,978
(32) Priority Date	:18/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/050205
Filing Date	:10/01/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :New Orchard Road Armonk New York 10504 USA

(72)Name of Inventor :

1)MASS Yosi

2)SHMUELI-SCHEUER Michal

(57) Abstract :

Personalized tag ranking of images including identifying within a reference image collection any images that are similar to an input image identifying within a source image collection any images that have associated tags that are similar to a set of input tags associated with the input image identifying among the images identified in the reference image collection any images that are similar to the images identified in the source image collection and calculating a weight for each of a plurality of tag pairs where each of the tags in each of the tag pairs is associated with a different subset of the images in the reference image collection identified as being similar to the images identified in the source image collection and ranking the input tags of the input image in accordance with a predefined ranking function as applied to the tag pair weights.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4590/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : POLYPEPTIDES HAVING CELLOBIOHYDROLASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME

(51) International classification	:C12N9/42	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/258,999	<b>1)NOVOZYMES INC.</b>
(32) Priority Date	:06/11/2009	Address of Applicant :1445 Drew Avenue Davis California
(33) Name of priority country	:U.S.A.	95618 United States of America
(86) International Application No	:PCT/US2010/055643	<b>2)NOVOZYMES A/S</b>
Filing Date	:05/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)VLASENKO Elena</b>
(61) Patent of Addition to Application Number	:NA	<b>2)STRINGER Mary</b>
Filing Date	:NA	<b>3)SCHNORR Kirk</b>
(62) Divisional to Application Number	:NA	<b>4)MCBRAYER Brett</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to isolated polypeptides having xylanase activity and isolated polynucleotides encoding the polypeptides. The invention also relates to nucleic acid constructs vectors and host cells comprising the polynucleotides as well as methods of producing and using the polypeptides.

No. of Pages : 150 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4724/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MODIFIED HIGH INTENSITY MAGNETIC SEPARATION (HIMS) PROCESS

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(51) International classification	:B03C 1/015
(31) Priority Document No	:61/264,846
(32) Priority Date	:30/11/2009
(33) Name of priority country	:Argentina
(86) International Application No	:PCT/IB2010/055465
Filing Date	:29/05/2012
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)BASF SE

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(72)Name of Inventor :

1)DOMKE Imme

2)RIEGER Reinhold

3)MICHAILOVSKI Alexej

4)BITTNER Christian

(57) Abstract :

A process for separating at least one first material from a mixture comprising said at least one first material and at least one second material is provided. The process comprises the step of contacting the mixture with at least one magnetic particle in the presence of at least one dispersion medium to form the agglomerates of the least one first material and the magnetic particle.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4725/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR TRACKING AND RECOGNITION WITH ROTATION INVARIANT FEATURE DESCRIPTORS

(51) International classification	:G06K 9/46	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/262,740	<b>1)NOKIA CORPORATION</b>
(32) Priority Date	:19/11/2009	Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo Finland
(33) Name of priority country	:U.S.A.	<b>2)STANFORD UNIVERSITY</b>
(86) International Application No	:PCT/IB2010/055280	(72) <b>Name of Inventor :</b>
Filing Date	:18/11/2010	<b>1)Gabriel Takacs</b>
(87) International Publication No	: NA	<b>2)Radek Grzeszczuk</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Vijay Chandrasekhar</b>
Filing Date	:NA	<b>4)Bernd Girod</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Various methods for tracking and recognition with rotation invariant feature descriptors are provided. One example method includes generating an image pyramid of an image frame, detecting a plurality of interest points within the image pyramid, and extracting feature descriptors for each respective interest point. According to some example embodiments, the feature descriptors are rotation invariant. Further, the example method may also include tracking movement by matching the feature descriptors to feature descriptors of a previous frame and performing recognition of an object within the image frame based on the feature descriptors. Related example methods and example apparatuses are also provided.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4726/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PHASE LOCKED LOOP WITH DIGITAL COMPENSATION FOR ANALOG INTEGRATION

---

(51) International classification	:H03L 7/093
(31) Priority Document No	:12/632,053
(32) Priority Date	:07/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059337
Filing Date	:07/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 U.S.A.

(72)**Name of Inventor :**

**1)JEREMY D. DUNWORTH**

**2)GARY J. BALLANTYNE**

**3)BHUSHAN S. ASURI**

**4)JIFENG GENG**

**5)GURKANWAL S. SAHOTA**

---

(57) Abstract :

A phase locked loop (PLL) device includes a digital differentiator configured to differentiate a digital loop signal to at least partially compensate for the integration of an analog current signal by an analog integrator. A digital to analog converter (DAQ includes a current source output stage that generates the analog current signal based on an digital input signal, The analog integrator integrates the analog current signal to generate a voltage control signal for controlling a voltage controlled oscillator (VCO).

No. of Pages : 56 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4727/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : LOADING APPARATUS AND METHOD OF LOADING ROLLS OF FIBRE BASED SHEET MATERIAL TO AN APPLICATION UNIT

(51) International classification	:B29C 70/54	(71) <b>Name of Applicant :</b> <b>1)LM WIND POWER A/S</b> Address of Applicant :Jupitervej 6 DK-6000 Kolding Denmark
(31) Priority Document No	:09179881.9	
(32) Priority Date	:18/12/2009	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/069631	<b>1)VAN DER ZEE Jacobus Johannes</b>
Filing Date	:14/12/2010	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The loading apparatus (1) for loading rolls (2) of fibre based sheet material to an application unit for the production of fibre-reinforced parts comprises a frame (4) on which a lift (5) is arranged displaceably in vertical direction and is adapted to carry at least one roll (2). The lift (5) comprises a swivel mechanism (6) arranged rotatably about a swivel axis (7) and comprising at least first grippers (18) adapted to releasably grip shaft ends (9) of a first roll (2a) and second grippers (19) adapted to releasably grip shaft ends (10) of a second roll (2b). A method of loading rolls is also disclosed.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4728/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS SYSTEMS AND COMPUTER READABLE MEDIA FOR FACILITATING USE OF WIRELESS SMART DEVICES TO PURCHASE GOODS OR SERVICES

(51) International classification	:G06Q 30/00
(31) Priority Document No	:61/256,651
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054978
Filing Date	:01/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)VIVOTECH INC.**

Address of Applicant :451 El Camino Real 2nd Floor Santa Clara CA 95050 USA

**(72)Name of Inventor :**

**1)KHAN Mohammad**

**2)KUMAR Pradeep**

---

**(57) Abstract :**

Methods, systems, and computer readable media for facilitating the use of wireless smart devices to purchase goods or services that are not available at a purchasers location are provided. According to one aspect of the subject matter described herein, a method for facilitating the use of a wireless smart device to purchase goods or services is provided. The method includes providing a smart poster that advertises a good or service and is locatable in an area that is accessible by a potential purchaser of a good or service. The method includes directing, using a mechanism in or on the smart poster, the wireless smart device to access a section of an merchants website specific to the good or service in response to the wireless smart device interfacing with the smart poster. The method further includes providing, via the wireless smart device, an option for the potential purchaser to purchase the good or service in a manner that bypasses a payment register in a retail location of the merchant.

No. of Pages : 21 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4717/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SYNCHRONIZATION OF SYMMETRIC TIMING BASED SERVO BURSTS

---

(51) International classification	:G11B5/584
(31) Priority Document No	:12/712,039
(32) Priority Date	:24/02/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/050674
Filing Date	:19/01/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

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2)JELITTO Jens  
3)LANTZ Mark Alfred  
4)HUTCHINS Robert Allen**

---

(57) Abstract :

Timing based servo bursts of servo frames, in which the frames are arranged to be symmetric with the same number of servo stripes in each burst of a frame, are synchronized by shifting selected bits. For example, servo frames are arranged with four servo bursts with an equal number of servo stripes in each burst, the servo frames comprising two symmetric sub-frames, each sub-frame comprising two bursts of servo stripes that are parallel to each other within a burst, and the bursts are non-parallel with respect to each other; each servo burst is arranged to comprise at least one reference servo stripe; and each servo burst is arranged to comprise at least one shifted servo stripe, wherein the shift is in the same longitudinal direction with respect to at least one reference servo stripe for each burst of a frame and the opposite longitudinal direction for bursts of sequentially adjacent frames.

No. of Pages : 32 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4718/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTIPLE CARRIER ACTIVATION/DEACTIVATION IN WIRELESS COMMUNICATIONS

(51) International classification	:H04L 5/00
(31) Priority Document No	:61/267,768
(32) Priority Date	:08/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059328
Filing Date	:07/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**2)DAMNJANOVIC Jelena M.**

**3)GAAL Peter**

**4)AGASHE Parag Arun**

**5)GHEORGHIU Valentin Alexandru**

**6)KITAZOE Masato**

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---

(57) Abstract :

Systems methods and apparatuses are provided that facilitate selecting resources such as time slots subframes etc. for performing bandwidth switching related to activating and/or deactivating one or more carriers. A data portion of one or more subframes can be selected for performing bandwidth switching. In addition a device can determine whether one or more downlink grants are received in the one or more subframes and can avoid selecting such subframes. The device can alternatively perform the bandwidth switching and request retransmission of the data portion. Additionally or alternatively the device can determine a type of the one or more subframes and/or signals transmitted in the one or more subframes to determine whether to perform bandwidth switching in the subframes. The bandwidth switching can include changing a sampling rate reconfiguring frequency filters modifying a local oscillator etc.

No. of Pages : 46 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4719/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD FOR HANDLING AQUEOUS METHANESULFONIC ACID SOLUTIONS

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(51) International classification	:C22C38/44
(31) Priority Document No	:09174853.3
(32) Priority Date	:03/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/066181
Filing Date	:26/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor :

1)FASSBENDER Stefan

2)PETERSEN Peter

3)LAUTERBACH Arnulf

4)RENZ G<sup>1/4</sup>nter

5)BORGMEIER Frieder

6)KOLB Peter

(57) Abstract :

The present invention relates to a method for handling aqueous solutions of methanesulfonic acid in apparatuses comprising austenitic steels having a chromium content of from 15 to 22% by weight and a nickel content of from 9 to 15% by weight.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4720/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTROMAGNETIC HAZARD PROTECTOR FOR COMPOSITE MATERIALS

---

(51) International classification	:B32B5/28
(31) Priority Document No	:0919088.5
(32) Priority Date	:02/11/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051759
Filing Date	:19/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)HEXCEL COMPOSITES LIMITED**

Address of Applicant :Duxford Cambridge Cambridgeshire  
CB2 4QD Great Britain

(72)**Name of Inventor :**

**1)FISSET Emilie**

**2)ELLIS John**

**3)MACKENZIE Paul**

(57) Abstract :

A curable flexible electromagnetic hazard resistance laminate comprising a layers of electrically conductive metal material and thermosetting resin wherein a first external face of the laminate comprises a releasable backing sheet in contact with resin and a second external face of the laminate comprises resin wherein the second external face has greater adhesiveness than the first external face with the backing sheet removed.

No. of Pages : 29 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4721/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METAL-ORGANIC FRAMEWORKS BASED ON 2 5-FURANDICARBOXYLIC ACID OR 2 5-THIOPHENEDICARBOXYLIC ACID

(51) International classification	:C07F1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09 177 495.0	<b>1)BASF SE</b> Address of Applicant :67056 Ludwigshafen Germany
(32) Priority Date	:30/11/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EPO	<b>1)TRUKHAN Natalia</b>
(86) International Application No	:PCT/EP2010/068234	<b>2)MLLER Ulrich</b>
Filing Date	:25/11/2010	<b>3)HEIMANN Jens</b>
(87) International Publication No	: NA	<b>4)KINDLER Alois</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to porous metallic frameworks comprising at least one at least bidentate organic compound coordinated to at least one metal ion wherein the at least one at least bidentate organic compound is derived from 2 5-furandicarboxylic acid or 2 5-thiophenedicarboxylic acid. The present invention further relates to shaped bodies comprising these frameworks processes for producing them and their use in particular for the storage and separation of gases.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1211/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN IMPROVED METHOD AND APPARATUS FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

(51) International classification	:B65B, H04M	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :JAYALAKSHMI ESTATES, NO.29 (OLD NO.8), HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SAMRAJ JABEZ DHINAGAR</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved method and apparatus for controlling an internal combustion engine wherein the crankshaft flywheel has four pips on its outer periphery, particularly three pips uniformly spaced from each other at or near the TDC during a compression stroke and a fourth pip located with a different spacing away from the first three pips. A pulser coil mounted on the crankcase for sensing the crankshaft flywheel position provides a signal indicating the passage of the four pips. An Electronic Control Unit (ECU) calculates the time taken for each pip to pass based on which an engine load is determined. The accuracy of engine load determination is improved because variation in crankshaft angular velocity between two successive strokes is measured in one rotation of crankshaft.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1212/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DEVICE TO PULL AND PLACE A PERSON LYING SUPINE OR PRONE

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(51) International classification

:A61G

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)RAHUL MADAN**

Address of Applicant :ANURADHA APARTMENTS, F BLOCK OLD NO.67,, FIRST FLOOR, DOOR NO.3, FOURTH STREET, ANNA NAGAR EAST, CHENNAI - 600 102 Tamil Nadu India

(72)Name of Inventor :

**1)RAHUL MADAN**

(57) Abstract :

A device to pull and place a person lying supine or prone from one independent flat surface to another independent flat surface, using a flat sturdy board like device that has, two or more indentations for effective grip, one smooth top surface and another bottom surface with parallel strips of rubber or such other material to enable effective gripping on the cloth or bed. Persons can be pulled with this device using any sheet at the same level, higher to lower level as well as lower to higher level with the least effort and no strain.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4595/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : HYGIENE MONITORING SYSTEM□

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(51) International classification	:G08B21/24
(31) Priority Document No	:0918767.5
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051801
Filing Date	:27/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)VERAZ LIMITED**

Address of Applicant :8-4-9 Harpers Mill Lancaster Lancashire LA1 4XF Great Britain

(72)Name of Inventor :

**1)BEST Kenneth Alarie**

(57) Abstract :

The present invention relates to a system suitable for monitoring the contamination potential associated with one or more mobile objects within an environment containing one or more fixed or mobile sources of contamination or cleansing. The system comprises a plurality of signal indicator devices connected to the or each source each indicator device emitting a signal. The system further comprises a monitoring device connected to the or each object the monitoring device being operable to: detect signals of the type emitted by an indicator device; infer the occurrence of contact between an object and a source from a detected signal; determine a level of contamination risk from the inferred contact; and output a status signal indicative thereof.

No. of Pages : 29 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4736/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR RESOURCE ALLOCATION WITH CARRIER EXTENSION

(51) International classification :H04W72/00,H04L5/00  
(31) Priority Document No :61/288,800  
(32) Priority Date :21/12/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/061649  
    Filing Date :21/12/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA

(72)**Name of Inventor :**

**1)DAMNJANOVIC Jelena M.**

**2)MONTJO Juan**

**3)GAAL Peter**

(57) Abstract :

Techniques for supporting communication with carrier extension are described. In one design, a base carrier and at least one segment available to a user equipment (UE) for communication may be determined. At least one operating parameter for the UE may be determined based on a composite bandwidth of the base carrier and the at least one segment. The UE may communicate based on the at least one operating parameter, which may include a resource block group (RBG) size and/or a bitmap used for resource allocation on the downlink, a gap used for resource allocation with frequency hopping on the downlink, a number of hopping bits used for resource allocation with frequency hopping on the uplink, a subband size and/or a number of bandwidth parts used for channel quality indicator (CQI) reporting, a sounding reference signal (SRS) bandwidth and/or a SRS configuration for SRS transmission on the uplink, and/or other operating parameters.

No. of Pages : 59 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.3189/CHE/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PATENT AND TECHNOLOGY DATA MANAGEMENT

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(51) International classification	:G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)OMPRAKASH N SRINGERI**  
Address of Applicant :#2788, 16 CROSS, 6 MAIN,  
BANASHANKARI II STAGE, BANGALORE - 560 070  
Karnataka India

(72)Name of Inventor :

**1)OMPRAKASH N SRINGERI**

(57) Abstract :

A method for managing patent data and technology is provided. Patent Data Management segregates the patent data into different categories and saves the segregated information in the corresponding categories in the database. When there is a query for a particular keyword or context, the system analyzes the query and with the association of a technology library fetches the relevant data from the database and presents the query results in the order of relevancy of data. The Technology Data Management segregates the information related to a product or company into different categories and saves the segregated information in the corresponding categories in the database. The present invention also provides a text editor that enable user to select portion of the data and upload the selected portion to desired field in the database. The present invention also provides centralized client relation management system to manage patent services rendered to the client. Some of the technologies that may be used to implement the present invention are briefly discussed. The present invention may also be implemented using other similar technologies.

No. of Pages : 28 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4752/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PREPARATION AND USE OF POLYMERIC DISPERSANT COMPOSITIONS

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(51) International classification

:C08F 8/30

(31) Priority Document No

:61/266,049

(32) Priority Date

:02/12/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/056523

Filing Date

:12/11/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)HUNTSMAN PETROCHEMICAL LLC**

Address of Applicant :10003 Woodloch Forest Drive The  
Woodlands Texas 77380 USA

(72)Name of Inventor :

**1)WALKER Janice S.**

**2)ALEXANDER David C.**

**3)RISTER JR. Ernest L**

**4)MOORE Robert B.**

---

(57) Abstract :

Embodiments of the present invention disclose polymeric dispersants that are the reaction product of a polymeric acid and a hydrophilic amine.

No. of Pages : 22 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4753/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : BUS BAR POWER DISTRIBUTION DEVICE

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(51) International classification	:H02G5/00
(31) Priority Document No	:MI2009A002135
(32) Priority Date	:02/12/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/002987
Filing Date	:23/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BTICINO S.p.A

Address of Applicant :Via Messina 38 I-20154 Milano (MI)  
Italy

(72)Name of Inventor :

1)PASSERA Costantino

(57) Abstract :

A busbar power distribution device (10) comprises two busbar ducts (11 12) junction means (20) for connecting the conductors of the two busbar ducts (11 12). The junction means (20) comprise pairs of conductor plates (21-26) each pair of conductor plate defining a seat for receiving the end portions of the conductors of the first busbar duct (11) and the second busbar duct (12) insulator plates (27-31) interposed between the pairs of conductor plates (21-26) and first clamping means (40) for clamping the pairs of conductor plates (21 - 26) and the insulator plates (27-31) against an elastic load. The junction means (20) also include second clamping means (50) that extend through the conductors of at least one of the conductors of the first busbar duct (11) and the conductors of the second busbar duct (12).

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4754/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : BELT-DRIVING ROLLER FOR DRIVING WIRE MESH BELT AND FOOD MANUFACTURING APPARATUS USING THE SAME

(51) International classification	:B65B39/10	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-142370	<b>1)Arai Foods Machinery Co. Ltd.</b>
(32) Priority Date	:23/06/2010	Address of Applicant :655 Numajiri Fukaya-shi Saitama-366-0017 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2011/003517	<b>1)ARAI Seiichi</b>
Filing Date	:21/06/2011	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a belt-driving roller that can be manufactured at low cost for driving a wire mesh belt used as a conveyor belt in a circulating manner and also provided is a food manufacturing apparatus using the driving rofler. A belt-driving roller (1) comprises: a rotation shaft (2); and toothed rollers (3) concentrically attached to the outer circumference of the rotation shaft (2). The toothed roller (3) comprises: a cylindrical base part (3f) on the outer circumference of which teeth (3g) are provided in a plurality of rows to engage with a wire mesh belt (5); and an attachment means (3d) for attaching the base part (3f) to the rotation shaft (2). The belt-driving roller (1) is used in a food manufacturing apparatus (25).

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4755/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PLASMA CVD DEVICE AND METHOD OF MANUFACTURING SILICON THIN FILM

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(51) International classification	:H01L21/205
(31) Priority Document No	:2009-251656
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/068557
Filing Date	:21/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)TORAY INDUSTRIES INC.**

Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome  
Chuo-ku Tokyo 103-8666 Japan

(72)**Name of Inventor :**

**1)KOMORI Tsunenori**

**2)AMIOKA Takao**

**3)SAKAMOTO Keitaro**

(57) Abstract :

Disclosed is a plasma CVD device comprising a vacuum vessel that houses a discharge electrode plate and a ground electrode plate to which is attached a substrate for thin film formation. The plasma CVD device has an earth cover at an interval from and facing the aforementioned discharge electrode plate; the aforementioned discharge electrode plate has gas inlets and exhaust outlets (which expel gas introduced through said gas inlets) that are connected at one end to equipment supplying raw gas for thin film formation and that open at the other end at the bottom face of the aforementioned discharge electrode plate; the aforementioned earth cover has second gas inlets corresponding to the aforementioned gas inlets and second exhaust outlets corresponding to the aforementioned exhaust outlets.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.4351/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTI-INTERFACE SOLID STATE DISK PROCESSING METHOD AND SYSTEM OF MULTI-INTERFACE SOLID STATE DISK

(51) International classification	:G11C7/10	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:201010184698.9	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:27/05/2010	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2011/074760	China. China
Filing Date	:27/05/2011	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)TONG Chaozhu</b>
(61) Patent of Addition to Application Number	:NA	<b>2)LI Minqiu</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the present invention disclose a multi-interface solid state disk, and a processing method and system of the multi-interface solid state disk, and relate to the field of communications, so that multiple hosts can share and access the SSD directly, and requirements of each host for high performance, wide bandwidth and high capacity of the SSD are satisfied. The multi-interface solid state disk according to the present invention includes: multiple interface control units, a command scheduling unit, a flash control unit and a flash chip. Each interface control unit corresponds to a communication interface respectively. The interface control unit receives an operating command through the communication interface. The command scheduling unit obtains, according to a scheduling rule, operating commands from the multiple interface control units, puts the operating commands in a command queue, takes an operating command from the command queue, and sends the operating command to the flash control unit. The flash control unit converts the operating command into a flash operating command to operate the flash chip.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4757/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COMPRESSIVE RESISTANCE MEANS AND EXERCISE DEVICE

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(51) International classification	:A63B21/05
(31) Priority Document No	:61/257,840
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055508
Filing Date	:04/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)T-Toner Company Inc.**

Address of Applicant :912 East 3rd Street #203 Los Angeles California-90013 U.S.A.

(72)**Name of Inventor :**

**1)JAHNS Henner**

(57) Abstract :

An exercise device (10) is provided with a twist cap (14) spaced apart from a base cap (12) with a resistance assembly (52) therebetween. The resistance assembly (52) includes a spring (20) a rotating member (26) that rotates with the twist cap (14) and a translating member (30) threadably engaged to the rotating member (26) and configured to variably deform the spring (20) due to rotation of the twist cap (14) in order to adjust the resistance level. An annularly pleated sidewall (16) and a vent means (18) may be included to provide a further resistance means. The exerciser compresses the twist cap (14) towards the base cap (12) to experience both compressive and being resistance.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4758/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : AUDIO AND SPEECH PROCESSING WITH OPTIMAL BIT-ALLOCATION FOR CONSTANT BIT RATE APPLICATIONS

(51) International classification	:G10L 19/00
(31) Priority Document No	:61/289,287
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/061751
Filing Date	:22/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

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Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714 USA.  
U.S.A.

**(72)Name of Inventor :**

**1)MAJUMDAR Somdeb**

**2)FAZELDEHKORDI Amin**

**3)GARUDADRI Harinath**

---

**(57) Abstract :**

Methods and apparatus for audio and speech processing including generating a plurality of frames each of the frames comprising a plurality of transform coefficients and allocating bits to the transform coefficients in each of the frames such that at least two of the transform coefficients in the same frame have different bit allocations and the total number of the bits allocated to the transform coefficients in at least two of the frames is equal.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4759/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : CONFIGURABLE DIGITAL-ANALOG PHASE LOCKED LOOP

---

(51) International classification	:H03L7/089
(31) Priority Document No	:12/632,061
(32) Priority Date	:07/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059338
Filing Date	:07/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

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(72)**Name of Inventor :**

**1)DUNWORTH Jeremy D.**

**2)BALLANTYNE Gary J.**

**3)ASURI Bhushan S.**

(57) Abstract :

A phase locked loop (PLL) device is configurable in an analog phase locked loop and a hybrid analog-digital phase locked loop. In an analog mode at least a phase detector an analog loop filter and a voltage controlled oscillator (VCO) are connected to form an analog loop. In a digital mode at least the phase detector the voltage controlled oscillator (VCO) a time to digital converter (TDC) a digital loop filter and a digital to analog converter (DAC) are connected to form the hybrid digital-analog loop.

No. of Pages : 35 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4760/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : APPARATUS AND METHOD FOR NETWORK-INITIATED ATTACHMENT AND REGISTRATION-LESS PAGING IN A WIRELESS NETWORK

(51) International classification	:H04W60/04
(31) Priority Document No	:61/285,810
(32) Priority Date	:11/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/060136 :13/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

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**2)GIARETTA Gerardo**

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**5)TENNY Nathan Edward**

**6)CASACCIA Lorenzo**

**7)NASIELSKI John Wallace**

**8)PANDIT Chennagiri Krishana Subramanaya**

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**(57) Abstract :**

An apparatus and method for registration-less paging comprising establishing a mobile device identity for a mobile device in a wireless network; determining a time instance for the identified mobile device to listen to pages; sending a page from the wireless network to the identified mobile device during the determined time instance. In one example the apparatus and method is for a network-initiated attach procedure comprising receiving a request to attach a mobile device in a wireless network; generating a paging message based on the request to attach the mobile device; sending a paging indicator to a mobile device based on the paging message during a time instance based on an agreed rule; and accepting an attach procedure from the mobile device based on the paging indicator.

No. of Pages : 49 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.2227/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND PROGRAM

(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2011-128101	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO Japan
(32) Priority Date	:08/06/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)TAKAFUMI MORIFUJI</b> <b>2)KYOKO FUKUDA</b> <b>3)MASAMI OGATA</b> <b>4)SUGURU USHIKI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An image processing apparatus includes an attention region estimation unit that estimates an attention region which is estimated as a user paying attention thereto on a stereoscopic image, a parallax detection unit that detects a parallax of the stereoscopic image and generates a parallax map indicating a parallax of each region of the stereoscopic image, a setting unit that sets conversion characteristics for correcting a parallax of the stereoscopic image based on the attention region and the parallax map, and a parallax conversion unit that corrects the parallax map based on the conversion characteristics.

No. of Pages : 113 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4640/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF A TITANIUM ZEOLITE CATALYST

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(51) International classification	:B01J29/00
(31) Priority Document No	:61/264,737
(32) Priority Date	:27/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/067987
Filing Date	:23/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BASF SE**

Address of Applicant :67056 Ludwigshafen Germany

**2)The Dow Chemical Company**

(72)Name of Inventor :

**1)MLLER Ulrich**

**2)RUDOLF Peter**

**3)KRUG Georg**

**4)SENK Rainer**

(57) Abstract :

A process for the preparation of a catalyst for the use in a hydrocarbon conversion reaction said catalyst containing a titanium zeolite and carbonaceous material the catalyst containing said carbonaceous material in an amount of from 0.01 to 0.5 % by weight based on the total weight of titanium zeolite contained in the catalyst the process comprising (i) preparing a catalyst containing the titanium zeotite and (ii) depositing carbonaceous material on the catalyst according to (t) in an amount of from 0.01 to 0.5 % by weight based on the total weight of titanium zeolite contained in the catalyst by contacting said catalyst prior to using the catalyst in said hydrocarbon conversion reaction with a fluid containing at least one hydrocarbon in an inert atmosphere to obtain the carbonaceous material containing catalyst wherein in (ii) the catalyst is not contacted with an oxygen containing gas.

No. of Pages : 45 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4641/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ALLOCATING STORAGE MEMORY BASED ON FUTURE USE ESTIMATES

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(51) International classification	:G06F3/06
(31) Priority Document No	:61/256,299
(32) Priority Date	:29/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054856
Filing Date	:29/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)JENSEN Craig**

**2)BECKMANN Charles E.**

**3)CADRUVI Richard**

**4)QUAN Gary**

(57) Abstract :

A method for allocating storage memory space is provided. The method involves receiving a request for storage memory allocation for a file of a current size; estimating a future size of the file different than the current size of the file based at least on a particular attribute associated with the file; and causing allocation of storage memory space for storage of the file based on the future size of the file.

No. of Pages : 25 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4643/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METAL DEPOSITION

(51) International classification	:H05K1/09
(31) Priority Document No	:12/608,309
(32) Priority Date	:29/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054569
Filing Date	:28/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)KOSOWSKY Lex**

(57) Abstract :

Systems and methods include depositing one or more materials on a voltage switchable dielectric material. In certain aspects a voltage switchable dielectric material is disposed on a conductive back- plane. In some embodiments a voltage switchable dielectric material includes regions having different characteristic voltages associated with de position thereon. Some embodiments include masking and may include the use of a removable contact mask. Certain embodiments include electro grafting. Some embodiments include an intermediate layer disposed between two layers.

No. of Pages : 96 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4783/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A COMPOUND MOTION STRUCTURE□

(51) International classification	:B64C9/14
(31) Priority Document No	:61/257,993
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/AU2010/001473
Filing Date	:04/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)CLARK John McMurray**

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(72)Name of Inventor :

**1)CLARK John McMurray**

(57) Abstract :

A compound motion structure (3) for connection between two surfaces comprising a first arm (5) and a second arm (7) swingable coupled together through a first hinge connection (13) a first surface (35) coupled to an opposite end of the first arm via a second hinge connection a second surface (39) coupled to an opposite end of the second arm via a third hinge connection the first arm (5) and the second arm (7) being movable thereby resulting in a compound motion of one or both surfaces

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4784/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SPUN YARN AND INTERMEDIATE FOR FIBER-REINFORCED RESIN AND MOLDED ARTICLE OF FIBER-REINFORCED RESIN USING THE SAME □

(51) International classification	:D02G3/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-261529	<b>1)KURASHIKI BOSEKI KABUSHIKI KAISHA</b>
(32) Priority Date	:17/11/2009	Address of Applicant :7-1 Hommachi Kurashiki-shi
(33) Name of priority country	:Japan	Okayama 7100054 Japan
(86) International Application No	:PCT/JP2010/067578	(72) <b>Name of Inventor :</b>
Filing Date	:06/10/2010	<b>1)Kazuhiro NAKASE</b>
(87) International Publication No	: NA	<b>2)Akira KASUYA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a spun yarn for a fiberreinforced plastic, which is composed of blended yarns (3a, 3b) of a natural plant fiber and a synthetic fiber. The synthetic fiber is a thermoplastic synthetic fiber capable of serving as a matrix resin in a FRP. Also disclosed is an intermediate for a fiberreinforced plastic that is a woven fabric, a knitted fabric, a multiaxial warp knitted fabric or a braided fabric, formed of the aforementioned spun yarn for a fiberreinforced plastic. Also disclosed is a fiberreinforced plastic molded article that is obtained by heating and press-molding the intermediate for a fiberreinforced plastic at a mold temperature equal to or higher than the melting point of the synthetic fiber, or by aligning the spun yarn for a fiberreinforced plastic in at least one direction, heating and press-molding the same at a mold temperature equal to or higher than the melting point of the synthetic fiber. Thus, the spun yarn for a fiberreinforced plastic that exhibits superior integrity between the natural plant fiber and the synthetic fiber and that also a good moldability can be obtained at a low cost. And furthermore, the intermediate and the fiberreinforced plastic molded article using the same can be provided.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4785/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR CHANGING A SPENT ANODE AND SUPPORT AND SYSTEM FOR THE TEMPORARY STORAGE OF SUCH A SPENT ANODE

(51) International classification	:C25C3/06
(31) Priority Document No	:09 05813
(32) Priority Date	:02/12/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000691
Filing Date	:19/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)FAURE Maxime**

**2)CLOUE Christian**

**3)MACLEOD John**

---

(57) Abstract :

The process involves pouring a smothering powder (5) onto a spent anode (2) placed on a support (1) to cover it with the aim of limiting fluorinated gas emission by the anode. The support may include a temporary tank pre-filled with powder and provided with an opening for discharging the powder towards the anode on the support.

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4786/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A DRUG DELIVERY DEVICE

(51) International classification	:A61M5/315
(31) Priority Document No	:09177940.5
(32) Priority Date	:03/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/068706
Filing Date	:02/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HELMER Michael

2)RAAB Steffen

(57) Abstract :

A drug delivery device comprises a housing (2) and a piston rod (13) arranged in the housing. The piston rod (13) is adapted to be moved along an axial direction to dispense a fluid. A drive member (5) arranged in the housing (2) is operatively coupled to the piston rod (13) and adapted to set up a dose of fluid for dispense in response to a first movement. The drive member (5) is also adapted to move the piston rod (13) to dispense the dose in response to a second movement. The drug delivery device also comprises a pre-dispensing drive member (18) operatively coupled to the drive member (5) and the housing (2) and adapted to move at least the drive member (5) by a predisposing distance between its first and second movement.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4787/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MINIMALLY INVASIVE INTERSPINOUS PROCESS SPACER IMPLANTS AND METHODS

(51) International classification	:A61B17/70
(31) Priority Document No	:61/258,632
(32) Priority Date	:06/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/055572 :05/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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4)KRAFT Markus

5)KAUFMANN Florian

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7)ASCHMANN Felix

8)SALADIN Stefan

9)OSWALD Martin

10)RANDEGGER Roman

(57) Abstract :

An interspinous process spacer for implantation in an interspinous space between a superior spinous process and an inferior spinous process includes a balloon-like body a first deployable protrusion and a second deployable protrusion. The body has a distal end a proximal end and a longitudinal axis extending between the proximal and distal ends. The spacer is arrangeable in an unexpanded configuration and expanded configuration. The first deployable protrusion is mounted proximate the proximal end and the second deployable protrusion is mounted proximate the distal end. The first and second deployable protrusions are oriented generally parallel to the longitudinal axis in the unexpanded configuration and generally perpendicular to the longitudinal axis in the expanded configuration.

No. of Pages : 58 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4737/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DYNAMIC ANTENNA SELECTION IN A WIRELESS DEVICE

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(51) International classification	:H04B7/08
(31) Priority Document No	:61/288,801
(32) Priority Date	:21/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/061170
Filing Date	:17/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)**Name of Inventor :**

**1)WIETFELDT Richard Dominic**

**2)CHRISIKOS George**

(57) Abstract :

Techniques for supporting a plurality of radios (240) on a wireless device (110) with a limited number of antennas (210) are described. In one design at least one radio may be selected from among the plurality of radios on the wireless device. At least one antenna may be selected for the at least one radio from among a plurality of antennas e.g. based on a configurable mapping of the plurality of radios to the plurality of antennas. One or more antennas may be shared between radios to reduce the number of antennas. The at least one radio may be connected to the at least one antenna e.g. via a switchplexer (220). Antenna selection may be performed dynamically (e.g. when the at least one radio becomes active or when a change in performance of the at least one radio is required) such that good performance can be obtained.

No. of Pages : 55 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1215/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED PROVISIONING OF A WIRELESS DEVICE

(51) International classification	:H04L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)KEKAN, KEDAR VALMIK**

**2)GRUBIS, MATTHEW GEORGE**

**3)PEKARSKE, MATTHEW RICHARD**

(57) Abstract :

A processor and a system for automated provisioning of one or more wireless devices. The processor includes one or more processing subsystems communicably coupled to a guest network. The one or more processing subsystems receive one or more input data signals corresponding to a service request from the wireless devices to connect to a secured backend network. The input data signals include a plurality of service connection parameters associated with the wireless devices. The service connection parameters are then authenticated with pre-stored data. Thereafter the input data signals are processed upon authentication to establish a secured communication link with the wireless devices. Subsequently a plurality of output signals corresponding to the service request to the wireless devices for automated provisioning to establish a connection with the secured backend network.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4636/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A MEDICAL TUBE ARTICLE

(51) International classification	:A61L27/26
(31) Priority Document No	:09174578.6
(32) Priority Date	:30/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/066459
Filing Date	:29/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)GRAVESEN Per Otto B,rresen

2)WINTHER Torsten

3)AAKERLUND Karsten

(57) Abstract :

The present invention relates to a medical tube article comprising a polymer mixture of a thermoplastic or thermo-curing polymer base material and an amphiphilic block copolymer wherein the amphiphilic block copolymer.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4637/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : METAL DEPOSITION

(51) International classification	:C25B5/48
(31) Priority Document No	:12/608,326
(32) Priority Date	:29/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054682
Filing Date	:29/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SHOCKING TECHNOLOGIES INC.**

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(72)Name of Inventor :

**1)KOSOWSKY Lex**

(57) Abstract :

Systems and methods include depositing one or more materials on a voltage switchable dielectric material. In certain aspects a voltage switchable dielectric material is disposed on a conductive back-plane. In some embodiments a voltage switchable dielectric material includes regions having different characteristic voltages associated with deposition thereon. Some embodiments include masking and may include the use of a removable contact mask. Certain embodiments include electrografting. Some embodiments include an intermediate layer disposed between two layers.

No. of Pages : 95 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4638/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR DETERMING THE WEAR ON A CONTACT ELEMENT

(51) International classification	:H01H1/00
(31) Priority Document No	:09177112.1
(32) Priority Date	:21/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/066346
Filing Date	:28/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :Affolternstrasse 44 CH-8050 Zürich Switzerland

(72)Name of Inventor :

**1)SCHRAG Daniel**

**2)HENCKEN Kai**

**3)SMAJIC Eldin**

---

(57) Abstract :

A method for determining the wear on a contact element of an electrical switch in particular of a switching installation for high or medium voltage involves recording electrical values which represent an electrical variable which is relevant to an are occurring at the switch doting a switching operation as a function of time; and calculating s wear value which represents the wear on the contact element frost a plurality of wear contribution values wherein the wear contribution values are calculated from a plurality of subsets of the recorded electrical values using a plurality of wear contribution calculation rides wish the result that each of the wear contribution values is calculated from a respective one of the subsets of values according to a respective one of the wear contribution calculation rules and wherein at least two of the wear contribution calculation rules differ from one another.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4699/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DIRECT DIGITAL RECEIVER WITH LOCAL FREE RUNNING CLOCK

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(51) International classification	:G01R33/36
(31) Priority Document No	:09179578.1
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055769
Filing Date	:13/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)VAN LIERE Filips

(57) Abstract :

The invention relates to direct digital receiver for an RF coil (11, 12, 13, 200), in particular of a magnetic resonance imaging system (1), for providing a digital sample output signal at a digital operating frequency in a time base of a system clock (222), the receiver comprising: - an analogue-to-digital converter (214) for converting an analogue signal received from the RF coil (11, 12, 13, 200) to a digital sample input signal, the analogue-to-digital converter (214) being driven by a local clock, - a local clock oscillator (400) adapted for providing the local clock in a local clock time base to the analogue-to-digital converter (214), the local clock time base being independent of the system clock time base, - a phase detector (402) adapted for determining a phase difference (512) between the system clock (222) and the local clock, - a resampling unit (224) adapted for resampling the digital sample input signal to the digital sample output signal using said phase difference (512).

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4761/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : INTEGRATED CIRCUIT FOR SPECTRAL IMAGING SYSTEM

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(51) International classification	:G01J 3/26, G01J 3/28
(31) Priority Document No	:61/265,231
(32) Priority Date	:30/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/068575
Filing Date	:30/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)Name of Inventor :

1)Klaas TACK

2)Andy LAMBRECHTS

3)Luc HASPELAGH

(57) Abstract :

An integrated circuit for an imaging system has an array of optical sensors (40), and an array of optical filters (10) each configured to pass a band of wavelengths onto one or more of the sensors, the array of optical filters being integrated with the array of sensors, and the integrated circuit also having read out circuitry (30) to read out pixel values from the array of sensors to represent an image, different ones of the optical filters being configured to have a different thickness, to pass different bands of wavelengths by means □ of interference, to allow detection of a spectrum of wavelengths. The read out circuitry can enable multiple pixels under one optical filter to be read out in parallel. The thicknesses may vary non monotonically across the array. The read out, or later image processing, may involve selection or interpolation between wavelengths, to carry out spectral sampling or shifting, to compensate for thickness errors.

No. of Pages : 86 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4763/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ELECTRIC POWER CONVERSION DEVICE

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(51) International classification	:H02M7/48
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2010/005811
Filing Date	:28/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MITSUBISHI ELECTRIC CORPORATION**

Address of Applicant :7-3 Marunouchi 2-chome Chiyoda-ku  
Tokyo 100-8310 Japan

(72)Name of Inventor :

**1)KITANAKA Hidetoshi**

(57) Abstract :

Problem to be solved: To provide an electric power conversion device that normally operates, even when the voltage of a DC power supply or the like changes, by suppressing electric oscillations in an LC filter circuit so as to suppress transient oscillations in the voltage of the capacitor. Solution: An electric power conversion device includes a power conversion circuit for receiving electric power from an overhead wire through an LC filter circuit composed of a reactor and a capacitor and converting the electric power to output and a control unit for controlling the power conversion circuit, wherein the control unit is provided with a delay unit for delaying the voltage across the capacitor so as to produce a first control signal, produces a second output voltage instruction from the first control signal and a first output voltage instruction specifying the magnitude of the output voltage of the converted power, and controls the power conversion circuit based on the second output voltage instruction.

No. of Pages : 58 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1216/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING AN INFRASTRUCTURE USING A VIRTUAL MODELING PLATFORM

(51) International classification	:H04W
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 U.S.A.

(72)**Name of Inventor :**

**1)HIGASHI, MITCHELL KENT**

(57) Abstract :

A computing system for managing an infrastructure using a virtual modeling platform is disclosed. The computing system dynamically allocates multiple resources in a location that represents a location within the virtual environment. The multiple resources may be associated with an infrastructure for example, a healthcare infrastructure. Then the computing system determines one or more of multiple health metrics associated with a number of people, multiple resource metrics and multiple economic metrics based on the allocated resources.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1217/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APARATUS FOR FAULT DIAGOSIS OF AUTOMOBILE BRAKE SYSTEM USING VIBRATION SIGNALS

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DR. VAITHIYANATHAN SUGUMARAN</b>
(32) Priority Date	:NA	Address of Applicant :13, 12TH CROSS, BHARATHI NAGAR, KARUVADI KUPPAM -600 008 Pondicherry India
(33) Name of priority country	:NA	<b>2)MR. RAKKIYANNAN JEGADEESHWARAN</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. VAITHIYANATHAN SUGUMARAN</b>
(87) International Publication No	: NA	<b>2)MR. RAKKIYANNAN JEGADEESHWARAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This method presents vibration based continuous monitoring system and analysis using machine learning approach. The reliable and effective performance of a braking system is fundamental to operation of most vehicles. This study provides insight of fault diagnosis of hydraulic braking system by Vibration Analysis. This method presents the data model (J48, C4.5 decision tree algorithm) for fault diagnosis through statistical feature extracted from vibration signals of good and faulty conditions of hydraulic brakes. The vibration signals are acquired from a piezoelectric transducer for both good as well as faulty conditions of brakes. The statistical parameters are extracted and the good features that discriminate different faulty conditions are formed using decision tree. The model built can be used for condition monitoring of hydraulic brake system.

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1282/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD AND APPARATUS OF SCHEDULING RESOURCES IN SYSTEM ARCHITECTURE

(51) International classification	:H04L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4  
Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India

(72)**Name of Inventor :**

**1)Venkata Suman Kumar M**

(57) Abstract :

The present invention relates to a scheduling method and apparatus based on request arrival-order. In one embodiment this is accomplished by receiving at least one task by a priority tagging module from at least one input line wherein each task is tagged with a priority tag packetizing the received task in to a plurality of packets wherein each packet is provided with a sequence number and serving the packets from the queues to the output lines wherein the serving of the packets is based on the sequence number and where the same queue is not served consecutively and wait for serve timer to expire.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4662/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : WIND POWER PLANT FOR PRODUCING ELECTRIC ENERGY AND RELATIVE PYLON CONSTRUCTION METHOD□

(51) International classification	:F03D1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:MI 2009 A 002007	<b>1)WILIC S.AR.L.</b>
(32) Priority Date	:16/11/2009	Address of Applicant :41 Boulevard du Prince Henri L-1724
(33) Name of priority country	:Italy	Luxembourg
(86) International Application No	:PCT/EP2010/067431	(72) <b>Name of Inventor :</b>
Filing Date	:15/11/2010	<b>1)PABST Otto</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wind power plant (1) for producing electric energy has a foundation (2); a pylon (3) extending along a given axis (A1); an electric generator (4) mounted on top of the pylon (3); and a blade assembly (5) which rotates with respect to the generator (4); the pylon (3) having a portion made of flat reinforced-concrete panels (9) assembled so the portion has a polygonal cross section.

No. of Pages : 25 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1264/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DIRECT THE EMISSIONS FROM THE HORIZONTAL EXHAUST OF THE AUTOMOBILE

(51) International classification	:F01N
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)JUVVA. PHANI KUMAR**

Address of Applicant :S/O. VARA PRASADA RAO,  
VELPUR (POST) ATCHAMPET (MANDAL) GUNTUR DIST.  
PIN - 522 410 Andhra Pradesh India

(72)**Name of Inventor :**

**1)JUVVA. PHANI KUMAR**

(57) Abstract :

Increase the horizontal exhaust height of the automobile with upward extension has lid [0096] facility to direct the emissions upward from the horizontal exhaust of the automobile. Close the lid of the upward extension and the emissions are direct to control the flow of water into the horizontal exhaust system and drive the automobile in the clogged water on the rainy day.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2012

(21) Application No.1326/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR CREATING WEBSITE

(51) International classification	:G06F 17/00	(71) <b>Name of Applicant :</b> <b>1)MOVINGFLOATS TECHNOLOGIES</b> Address of Applicant :GULSHA QUISER, GROUND FLOOR, H. NO.: 8-2-326/4/A/N, ROAD NO. 07, HYDERABAD-500034 Andhra Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MR. RONAK KUMAR SAMANTRAY</b>
(87) International Publication No	: NA	<b>2)MR. JASMINDE SINGH GULATI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for creating a website is provided. The system includes a client device and a data processing arrangement coupled in communication with the client device. A user sends one or more messages pertaining to the website from the client device. The data processing arrangement receives the messages pertaining to the website, and analyzes the messages to create the website dynamically. Further, the data processing arrangement is operable to parse the messages to extract one or more keywords pertaining to the website, thereby enabling keyword-based searching of the website

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1594/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : DATABASE FOR A NAVIGATION DEVICE, METHOD OF OUTPUTTING A THREE-DIMENSIONAL REPRESENTATION OF A TERRAIN AND METHOD OF GENERATING A DATABASE

(51) International classification	:G06T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP11 164 357.3	<b>1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH</b> Address of Applicant :BECKER-GORING-STRABE 16, 76307 KARLSBAD Germany
(32) Priority Date	:29/04/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EPO	<b>1)VLADIMIR IVANOV</b>
(86) International Application No	:NA	<b>2)THOMAS FELDBAUER</b>
Filing Date	:NA	<b>3)ALEXEY PRYAKHIN</b>
(87) International Publication No	: NA	<b>4)PETER KUNATH</b>
(61) Patent of Addition to Application Number	:NA	<b>5)MAREK STRASSENBURG-KLECIAK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Database for a navigation device, method of outputting a three-dimensional representation of a terrain and method of generating a database A database (10) for a navigation device includes digital elevation model data defining a three-dimensional surface. The database (10) stores, for plural tiles of a tiling, a first array (23) including three-dimensional coordinates of vertices of plural triangulated irregular networks, TINs, for the respective tile, and a plurality of second arrays (24, 25). Each second array (24, 25) respectively defines triangular faces of a TIN and includes a plurality of vertex indices of the vertices to define triangular faces of the respective TIN. A method of outputting a three-dimensional representation of a terrain and a method of generating the database are also described.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1595/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD OF GENERATING A DATABASE, NAVIGATION DEVICE AND METHOD OF DETERMINING HEIGHT INFORMATION

(51) International classification	:G01C21/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:11 164 312.8	<b>1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH</b> Address of Applicant :BECKER-GORING-STRABE 16, 76307 KARLSBAD Germany
(32) Priority Date	:29/04/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EPO	<b>1)VLADIMIR IVANOV</b>
(86) International Application No	:NA	<b>2)MARTIN FISCHER</b>
Filing Date	:NA	<b>3)CARSTEN-CHRISTIAN SPINDLER</b>
(87) International Publication No	: NA	<b>4)SIMON-SCHUTZ</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method of generating a database, navigation device and method of determining height information In a method of generating a database (10) for use in a navigation device, entries (13-18) in a first data structure (11) are generated which are respectively associated with one tile of a tiling. Based on a comparison of a three-dimensional terrain on the respective tile with at least one pre-defined tile pattern, either an identifier (19) for a pre-defined tile pattern or data describing the terrain on the respective tile are stored in the entry. A method of determining height coordinates using the database (10) and a navigation device including the database (10) are also provided

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4715/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR FINDING STAR STRUCTURES AS COMMUNITIES IN NETWORKS

(51) International classification	:H04L 12/56, H04L 29/08	(71) <b>Name of Applicant :</b> <b>1)International Business Machines Corporation</b> Address of Applicant :New Orchard Road Armonk New York 10504 USA
(31) Priority Document No	:12/697,238	
(32) Priority Date	:30/01/2010	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2011/051030 :26/01/2011	<b>1)MUKHERJEA Sougata</b> <b>2)NAVATI Amit Anil</b> <b>3)RAGHAVAN Usha Nandini</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Embodiments of the invention provide systems methods apparatuses and program products providing methods to define and find relationships in network environments. Embodiments of the invention utilize relationship definitions for defining network environment relationships as star structures within the network of interest and automatically discover these star structures in networks.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4716/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : FLUORINE-FREE FUSED RING HETEROAROMATIC PHOTOACID GENERATORS AND RESIST COMPOSITIONS CONTAINING THE SAME

(51) International classification	:G03F 7/004	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/692,961	<b>1)International Business Machines Corporation</b>
(32) Priority Date	:25/01/2010	Address of Applicant :New Orchard Road Armonk New York 10504 USA.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2011/050142	<b>1)LIU Sen</b>
Filing Date	:07/01/2011	<b>2)VARANASI Pushkara</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a fluorine-free photoacid generator (PAG) and a photoresist composition containing the same. The PAG is characterized by the presence of an onium cationic component and a fluorine-free fused ring heteroaromatic sulfonate anionic component containing one or more electron withdrawing substituents. The onium cationic component of the PAG is preferably a sulfonium or an iodonium cation. The photoresist composition further contains an acid sensitive imaging polymer. The photoresist composition is especially useful for forming material patterns on a semiconductor substrate using 193nm (ArF) lithography.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4788/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : ORGANIC EL ELEMENT AND METHOD FOR MANUFACTURING ORGANIC EL ELEMENT

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(51) International classification	:H01L51/50
(31) Priority Document No	:2009-275265
(32) Priority Date	:03/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/071222
Filing Date	:29/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)TORAY INDUSTRIES INC.**

Address of Applicant :1-1 Nihonbashi-Muromachi 2-chome  
Chuo-ku Tokyo 103-8666 Japan

(72)Name of Inventor :

**1)JO Yukari**

**2)SHIRASAWA Nobuhiko**

**3)FUJIMORI Shigeo**

(57) Abstract :

Disclosed is an organic EL element which contains a specific naphthacene derivative. By setting the amount of a precursor compound of the naphthacene derivative contained in the organic EL element to a certain level or less the organic EL element is suppressed in decrease of the emission luminance and has remarkably improved life

No. of Pages : 86 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4789/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : VERIFICATION OF PORTABLE CONSUMER DEVICES FOR 3-D SECURE SERVICES

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(51) International classification	:G06F21/20
(31) Priority Document No	:61/258,194
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055500
Filing Date	:04/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)VISA INTERNATIONAL SERVICE ASSOCIATION**

Address of Applicant :P.O.Box 8999 MS M1-11F San Francisco California-94128-8999 U.S.A.

(72)**Name of Inventor :**

**1)HAMMAD Ayman**

**2)FAITH Patrick**

**3)KOGANTI Krishna Prasad**

**4)REWIS Ben**

**5)LOUIS Brendan Xavier**

**6)WELLER Kevin**

**7)DOMINGUEZ Benedicto Hernandez**

---

(57) Abstract :

Apparatuses methods and systems pertaining to the verification of portable consumer devices for 3-D Secure Systems are disclosed. In one implementation a verification token is coupled to a computer by a USB connection so as to use the computer™s networking facilities. The verification token reads identification information from a user™s portable consumer device (e.g. credit card) and sends the information to a validation entry over a communications network using the computer™s networking facilities. The validation entity applies one or more validation tests to the information that it received from the verification token. If a selected number of tests are passed the validation entity sends a 3-D Secure datum to the verification token. The verification token may enter the 3-D Secure datum into a hidden field of a Purchase Authentication Page appearing on the computer™s display.

No. of Pages : 114 No. of Claims : 112

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2012

(21) Application No.4136/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PORTING VIRTUAL IMAGES BETWEEN PLATFORMS

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(51) International classification	:G06F9/455
(31) Priority Document No	:12/651,277
(32) Priority Date	:31/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/069569
Filing Date	:14/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)INTERNATIONAL BUSINESS MACHINES CORPORATION**

Address of Applicant :New Orchard Road Armonk New York 10504 United States of America.

(72)Name of Inventor :

**1)PODDAR Indrajit**

**2)SUKHAREV Igor**

**3)MIROSHKIN Alexey**

**4)PONOMAREV Vladislav Borisovich**

**5)GAPONENKO Yulia**

---

(57) Abstract :

In an embodiment an approach is provided that differences a source topology model associated with a source platform and a target topology model associated with a target platform. This differencing is performed by a processor and results in a topology difference. An operation in a workflow model is obtained from an asset library the operation being associated with the topology difference. At least a portion of the asset library is stored in a persistent storage medium. The operation to deploy a portion of a solution is transmitted for deployment. The deployed portion of the solution includes a target image compatible with the target platform.

No. of Pages : 60 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4622/CHENP/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : SUTURE NEEDLE

(51) International classification	:A61B17/06
(31) Priority Document No	:2009-298915
(32) Priority Date	:28/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/073383
Filing Date	:24/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KEISEI MEDICAL INDUSTRIAL CO. LTD.

Address of Applicant :19-6 Hongo 3-chome Bunkyo-ku  
Tokyo 113-0033 Japan

(72)Name of Inventor :

1)Tsuyoshi UETAKE

(57) Abstract :

The present invention addresses the problem of providing an innovative suture needle which exhibits unprecedented effects. An uneven part is provided to left and right side parts of a distal end site of a needle body (1) and edge parts of the uneven part are configured as small blades (6 7).

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4781/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A METHOD OF CONTENT AUTHENTICATION INSIDE A SEALED BOX USING SPECIAL LABELS

(51) International classification	:G06K19/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:625/CHE/2010	<b>1)Ashish Anand</b>
(32) Priority Date	:10/03/2010	Address of Applicant :C-102 Silver Akruthi Apartment 27th main sector-2 Adjacent to Parangipalya KPTCL power grid station HSR Layout Bangalore - 560095 India Karnataka India
(33) Name of priority country	:India	
(86) International Application No	:PCT/IB2011/050859	(72) <b>Name of Inventor :</b>
Filing Date	:01/03/2011	<b>1)Ashish Anand</b>
(87) International Publication No	: NA	<b>2)Hemanth Haridas</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention proposes a content verification and authentication method inside a sealed box. This method is about tagging each item with a label containing internal layering of radio-opaque material randomly oriented. Externally all labels/tags look symmetrical and hence even if an insider replaces the original item and tags with genuine labels on fake item still this gets detected as original reference imaging signature will have different orientation. Every-time these labels are reused they auto-acquire their imaging credential. For accelerated direction-agnostic scanning for box level authentication two labels with covert pattern is highly useful. Labels with covert pattern are again based on orientation which is not known by insiders and credential is acquired only at time of application of labels. This method can also be used as covert anti-counterfeiting mechanism by associating imaging of random covert patterns with overt feature of unique-alpha-numeric per-piece id.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.4484/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : COATED CAPSULES AND TABLETS OF A FATTY ACID OIL MIXTURE

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(51) International classification	:A61K9/48
(31) Priority Document No	:61/254,296
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002854
Filing Date	:22/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)PRONOVA BIOPHARMA NORGE AS**

Address of Applicant :P.O. Box 420 N-1327 Lysaker Norway  
Norway

(72)Name of Inventor :

**1)KLAVERNESS Jo Erik Johnsrud**

**2)BERGE Gunnar**

**3)HUSTVEDT Svein Olaf**

**4)OLESEN Preben Houlberg**

**5)MLLERTZ Anette**

---

(57) Abstract :

The present disclosure relates to compositions comprising a fatty acid oil mixture and at least one free fatty acid in a coated capsule or a coated tablet form suitable for oral administration and methods of use thereof are disclosed. Further disclosed are preconcentrates comprising a fatty acid oil mixture at least one surfactant and optionally at least one free fatty acid in a coated capsule or a coated tablet form and methods of use thereof. The preconcentrates are capable of forming a self-nanoemulsifying drug delivery system (SNEDDS) a self-microemulsifying drug delivery system (SMEDDS) or self-emulsifying drug delivery systems (SEDDS) in an aqueous solution.

No. of Pages : 135 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.4774/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : STEPLESS LUFFING MECHANISM FOR SUPER-LIFTING COUNTERWEIGHT OF CRAWLER CRANE AND OPERATING METHOD THEREOF

(51) International classification	:B66C23/76
(31) Priority Document No	:201010101261.4
(32) Priority Date	:26/01/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/000847
Filing Date	:12/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SHANGHAI SANY TECHNOLOGY CO. LTD.**

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Pudong New Area Shanghai 201202 P. R. China. China

(72)**Name of Inventor :**

**1)CHEN ZHIGANG**

**2)LIU BAOJUN**

**3)LI ZHENZHU**

**4)SU LINGHUA**

---

(57) Abstract :

A stepless luffing mechanism for the super-lifting counterweight of a crawler crane and an operating method thereof are disclosed. The luffing mechanism comprises: a main luffing mast (0) a lifting oil cylinder (2) a luffing structure (3) a pulling board (4) and a super-lifting mast (5). The lifting oil cylinder (2) is connected with the super-lifting counterweight (1) which is connected with the luffing structure (3). The luffing structure (3) is connected with the pulling board (4). The pulling board (4) is connected with the super-lifting mast (5) by a lifting rope. The super-lifting mast (5) is connected with a platform (7). The luffing mechanism can realize stepless luffing of the radius of the super-lifting counterweight has a large luffing range and is more convenient to use thus obtaining a larger lifting range of the machine a better stability of the machine during lifting period higher security and reliability.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9224/CHENP/2011 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : JANUS KINASE INHIBITOR COMPOUNDS AND METHODS

(51) International classification	:C07D213/75
(31) Priority Document No	:61/186,322
(32) Priority Date	:11/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/058128
Filing Date	:10/06/2010
(87) International Publication No	:WO 2010/142752
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)F. HOFFMANN-LA ROCHE AG**

Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

**(72)Name of Inventor :**

**1)GOODACRE, SIMON CHARLES**

**2)LAI, YINGJIE**

**3)LIANG, JUN**

**4)MAGNUSON, STEVEN R.**

**5)ROBARGE, KIRK D.**

**6)STANLEY, MARK, S.**

**7)TSUI, VICKIE HSIAO-WEI**

**8)WILLIAMS, KAREN**

**9)ZHANG, BIRONG**

**10)ZHOU, AIHE**

**(57) Abstract :**

The invention provides compounds of Formula I, stereoisomers or pharmaceutically acceptable salts thereof, wherein A, B, D, R1, R2, R4 and R5 are defined herein, a pharmaceutical composition that includes a compound of Formula I, methods of making those compounds as well as methods of use thereof

No. of Pages : 270 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4756/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SENSOR HAVING A SENSOR HOUSING

(51) International classification	:G01L19/14
(31) Priority Document No	:102009047506.0
(32) Priority Date	:04/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/065029
Filing Date	:07/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Robert Bosch GmbH**

Address of Applicant :Postfach 30 02 20 70442 Stuttgart  
Germany

(72)Name of Inventor :

**1)SCHOLZEN Holger**

**2)GMELIN Christoph**

**3)VOLLERT Jens**

**4)ELLMER Markus**

(57) Abstract :

The invention relates to a sensor (10) having a sensor housing (12) an electronic component (16) and a sensor element (18). The electronic component (16) and the sensor element (18) are interconnected in a media-tight manner. An adhesive (28) serving as a seal is placed between bonding sites (22 24) of a bonding wire (26) of the at least one electrical connection (24).

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.4729/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS SYSTEMS AND COMPUTER READABLE MEDIA FOR DIAMETER PROTOCOL HARMONIZATION

(51) International classification	:H04L 29/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/304,310	<b>1)Tekelec</b> Address of Applicant :5200 Paramount Parkway Morrisville NC 27560 USA. U.S.A.
(32) Priority Date	:12/02/2010	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2011/024642	<b>1)MCCANN Thomas M.</b>
Filing Date	:11/02/2011	<b>2)NAS Petrus Wilhelmus Adrianus Jacobus Maria</b>
(87) International Publication No	: NA	<b>3)MARSICO Peter Joseph</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to one aspect the subject matter described herein includes a method for providing Diameter protocol harmonization. The method includes steps occurring at a Diameter node. The method further includes determining a first Diameter protocol associated with received Diameter information that is to be sent to a destination. The method also includes determining a second Diameter protocol associated with the destination. The method further includes harmonizing the received Diameter information such that the harmonized Diameter information is compatible with the second Diameter protocol. The method also includes providing the harmonized Diameter information to the destination.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4519/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR ACQUIRING A PATH LOSS

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(51) International classification	:H04W24/10
(31) Priority Document No	:200910223383.8
(32) Priority Date	:18/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/078536
Filing Date	:09/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)Huawei Technologies Co. Ltd.**

Address of Applicant :Huawei Administration Building  
Bantian Longgang District Shenzhen Guangdong 518129 P.R.  
China. China

(72)**Name of Inventor :**

**1)ZHANG Liwen**

**2)YANG Kaifeng**

**3)CHU Dongyu**

---

(57) Abstract :

Embodiments of the present invention disclose a method and a device for acquiring a path loss. The method includes: determining a current location of a terminal according to traffic channel signal strength of a current cell accessed by the terminal and broadcast control channel signal strength of at least one neighboring cell actually received by the terminal; or, determining the current location of the terminal according to broadcast control channel signal strength of at least two neighboring cells of the current cell accessed by the terminal; and acquiring a path loss of a corresponding designated neighboring cell from a pre-stored correspondence according to the determined current location of the terminal. According to the embodiments of the present invention, as long as the network-side device can determine the current location of the terminal, the network-side device is capable of acquiring the path loss from the current location to any designated neighboring cell, thereby improving performance of network channel transmission.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4646/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : PROCESS FOR PRODUCTION OF POLYAMIDE

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(51) International classification	:C08G69/28
(31) Priority Document No	:2009-269761
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070857
Filing Date	:24/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MITSUBISHI GAS CHEMICAL COMPANY INC.

Address of Applicant :5-2 Marunouchi 2-chome Chiyoda-ku  
Tokyo Japan

(72)Name of Inventor :

1)KIKUCHI Minoru

2)SHINOHARA Katsumi

(57) Abstract :

An economical batchwise production method of polyamide with good quality by the polycondensation in which a diamine component including 70 mol% or more of a xylylenediamine which includes 20 mol% or more of p-xylylenediamine is added to a dicarboxylic acid component in a batchwise reaction tank equipped with a partial condenser. The diamine component is added while maintaining the whole reaction system in fluid state under pressure. The pressure is reduced during the time that the molar ratio is within a specific range while continuing the addition.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2012

(21) Application No.4648/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR SELECTING A RECEIVER

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(51) International classification	:H04W48/04
(31) Priority Document No	:12/609940
(32) Priority Date	:30/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/FI2010/050848
Filing Date	:26/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)NOKIA CORPORATION**

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
Finland

(72)Name of Inventor :

**1)Peter Boda**

**2)Zhigang Liu**

(57) Abstract :

In accordance with an example embodiment of the present invention, a method comprises identifying at least one receiver, selecting said at least one receiver by moving an apparatus according to at least one predetermined movement and sending data to said selected at least one receiver.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4649/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHODS COMPOSITIONS AND SYSTEMS FOR CONTROLLING FOULING OF A MEMBRANE

(51) International classification	:C02F3/12
(31) Priority Document No	:61/259,93
(32) Priority Date	:10/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055984
Filing Date	:09/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NOVOZYMES BIOLOGICALS INC.

Address of Applicant :5400 Corporate Circle Salem Virginia 24153 United States of America ...

(72)Name of Inventor :

1)DRAHOS David

2)PETERSEN Svend

(57) Abstract :

The present invention provides methods and compositions for improving permeability and flux in a membrane filtration system especially in water or wastewater treatment processes.

No. of Pages : 88 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4651/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING AND DECODING CODING UNIT OF PICTURE BOUNDARY □

(51) International classification	:H04N7/24	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0104421	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:30/10/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu
(33) Name of priority country	:Republic of Korea	Suwon-si Gyeonggi-do 442-742 Republic of Korea
(86) International Application No	:PCT/KR2010/007537	(72) <b>Name of Inventor :</b>
Filing Date	:29/10/2010	<b>1)CHEON Min-Su</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and apparatus for encoding an image is provided. An image coding unit including a region that deviates from a boundary of a current picture is divided to obtain a coding unit having a smaller size than the size of the image coding unit and encoding is performed only in a region that does not deviate from the boundary of the current picture. A method and apparatus for decoding an image encoded by the method and apparatus for encoding an image is also provided.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4722/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SCREW DELIVERY SYSTEM

(51) International classification	:B25B 23/06
(31) Priority Document No	:61/265,484
(32) Priority Date	:01/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058289
Filing Date	:29/05/2012
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SYNTHES GmbH**

Address of Applicant :Eimattstrasse 3 CH-4436 Oberdorf Switzerland

(72)Name of Inventor :

**1)WATT Philip**

(57) Abstract :

A screw delivery system is provided. Such a system may include a carrier including a carrier body a driver and a nose. The carrier may define a bore that extends at least partially through the carrier body. The driver may be configured to be at least partially disposed in the bore. The driver may include a head that is configured to mate with a head of a fastener. At least a first guide member may be carried by the carrier body. The nose may be operably aligned with the bore and may include at least a second guide member that is configured to engage the first guide member. The system may be configured such that Insertion of the driver from the bore into the nose causes the first and second guide members to engage so as to cause the nose to rotate relative to the carrier body.

No. of Pages : 52 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4723/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CLOSURE DEVICE

(51) International classification	:A61B 17/08
(31) Priority Document No	:61/280,389
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055148
Filing Date	:12/02/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Large Bore Closure L.L.C.**

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(72)Name of Inventor :

**1)SAMPOGNARO Gregory C.**

**2)RAMEE Stephen**

**3)KROLIK Jeff**

**4)WATANABE Gwendolyn A.**

(57) Abstract :

Described here are devices and methods for closing one or more vascular openings. The devices may include a stent graft comprising a stent framework and a graft material at least partially covering the stent framework. The stent framework may comprise one or more axial segments and at least one of the axial segments may comprise an access port through which a catheter or treatment device may enter the stent graft. The methods may comprise occluding blood blow upstream of a vascular opening and delivering a closure device to block cover or seal the vascular opening.

No. of Pages : 45 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2012

(21) Application No.1161/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : CHEWABLE SOFT GELATIN CAPSULE DOSAGE FORM OF MUCOLYTIC AGENTS

(51) International classification	:A61K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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- 560 033 Karnataka India

(72)Name of Inventor :

**1)BOTHRA CHANDANMAL PUKHRAJ**

**2)SHRINIVASAN SHESHA IYENGAR**

**3)DR. KANDARAPU RAGHUPATHI**

**4)SAM BASIVA RAO MARAM**

---

(57) Abstract :

The present invention relates to chewable soft gelatin capsule dosage form of mucolytic agents.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.1227/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : A METHOD FOR REMOTELY CREATING AND EXECUTING JOBS ON A PRINTER

(51) International classification	:G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Samsung India Software Operations Pvt Ltd**

Address of Applicant :Bagmane Lakeview Block B No. 66/1  
Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-  
560093 Nagaland India

(72)**Name of Inventor :**

**1)Suseelan Bhargavi Sarin**

**2)Ranjith Tharayil**

(57) Abstract :

A method for executing multiple jobs on a non GUI based printer from a remote client device is disclosed. A non GUI based printer is configured to interact with the client device and an application server. A user employs the client device to interact with the printer and perform required job on the printer. For this purpose the user configures the applications and application related settings on a remote application server. The required interface for creating the job is generated on the client device. The created job is sent to the printer for execution. At the printer on receiving the job Meta data the input is parsed and it fetches the required application and related information from the application server. The application may be installed on the printer and the job is executed. FIG.5

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1290/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : ENCLOSURE AND LOCKING MECHANISM FOR THE SAME

(51) International classification	:H05K	(71) <b>Name of Applicant :</b> <b>1)Tejas Networks Limited</b> Address of Applicant :2nd floor GNR Tech Park 46/4 Garbebhatti Palya Kudlu Gate Hosur main road Bangalore 560 068 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an enclosure and a locking mechanism for the enclosure. The locking mechanism for enclosure comprising a cover having atleast one protruded joggling portion; and an enclosure chassis having atleast one notch wherein the protruded joggling portion of the cover is devised to act as a guide in order to locate the notch for locking the cover to the enclosure chassis.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1291/CHE/2012 A

(43) Publication Date : 04/10/2013

---

(54) Title of the invention : FLOATING NUT ASSEMBLY

(51) International classification	:B63B	(71) <b>Name of Applicant :</b> <b>1)Tejas Networks Limited</b> Address of Applicant :2nd floor GNR Tech Park 46/4 Garbebhatta Palya Kudlu Gate Hosur main road Bangalore 560 068 Karnataka India Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a floating nut assembly the assembly comprising: a floating member; a first member and a second member wherein the floating member is accommodated between the first member and the second member such that a recessed threading is formed to provide a float space.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2012

(21) Application No.1292/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : AN EJECTION AND INJECTION MECHANISM FOR HIGH DENSE CARDS

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(51) International classification

:B41J

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4  
Garbebhatti Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India Karnataka India

(72)Name of Inventor :

**1)Basavaraja M**

**2)Vyshakh Pavithran**

(57) Abstract :

The present invention provides an ejection mechanism for high dense cards comprising an elongated body portion of a panel and an ejector adapted to the panel wherein the ejector includes at least two parallel levers connected through at least one bar the levers of the ejector devised to generate adequate force for ejecting the high dense card.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.4001/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ACTIVATING SERVICES

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(51) International classification	:H04W4/24
(31) Priority Document No	:12/607,034
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/FI2010/050731
Filing Date	:22/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)NOKIA CORPORATION**

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
Finland

(72)Name of Inventor :

**1)Kristian Luoma**

(57) Abstract :

An approach is provided for activating a service for a mobile device. A message is received from a mobile device specifying a unique hardware identifier associated with the mobile device for activating a service for the mobile device. Creation of a provisional account is caused, at least in part, to be created to activate the service based on the unique hardware identifier without user information. FIG. 1

No. of Pages : 36 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4694/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : RECONSTRUCTING AN OBJECT OF INTEREST

(51) International classification	:G06T11/00
(31) Priority Document No	:09179718.3
(32) Priority Date	:17/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055714
Filing Date	:10/12/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN EINDHOVEN 5621 BA NETHERLANDS

(72)Name of Inventor :

**1)ERHARD Klaus**

**2)GRASS Michael**

**3)BUELOW Thomas**

**4)HANSIS Eberhard Sebastian**

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(57) Abstract :

A system for generating a reconstruction of an object of interest comprises a shape model generator (1) for generating a shape model representing a shape of the object in dependence on a plurality of projections of the object and a reconstructor (2) for reconstructing the object based on the projections in dependence on the shape model to obtain the reconstruction of the object. The reconstructor (2) comprises a soft-tissue reconstructor (4) for generating a reconstruction favoring soft tissue based on the plurality of projections and a sparse reconstructor (5) for generating a reconstruction of sparse objects based on the plurality of projections. The reconstructor (2) comprises a clipping subsystem (3) for clipping an outside of the object from the reconstruction based on the shape model or the reconstructor (2) is arranged for reconstructing only an inside and/or boundary of the object as defined by the shape model.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.4695/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : OPTICAL RESPIRATION STATUS SENSOR

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(51) International classification	:A61B5/113
(31) Priority Document No	:61/287001
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055272
Filing Date	:18/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)KONINKLIJKE PHILIPS ELECTRONICS N.V.

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(72)Name of Inventor :

1)REY Eduardo M.

2)NELSON Mark D.

3)CATES Harold J.

(57) Abstract :

A subject monitor includes a belt (16) that circumscribes a cyclically moving portion of a subject (14) such as a chest cavity or abdomen. A optical sensing device (18) includes a housing; a tape (50) under tension to retract into the housing at least one of the tape (50) and the housing are connected with the belt (16); a lens (56) configured to focus light on a pattern (52) that moves with the tape (50); and a photon detector (58) configured to detect light (57) reflected from the pattern (52). An optical decoder (26) determines movement of the belt (16) from the light reflected (57) from the pattern (52).

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2012

(21) Application No.1365/CHE/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : MULTI-PHASE MULTI-POLE ELECTRIC MACHINE

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(51) International classification

:H02K

(31) Priority Document No

:61/516,115

(32) Priority Date

:30/03/2012

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

The present invention envisages a multi-phase multi-pole electric machine for use in an electric bicycle that comprises a rotor a stator and controller located in the same housing with a central aperture. The rotor and stator are separated by an air gap and a removable disc brake adaptor and a removable gear adaptor the rotor and stator interacting with each other by electromagnetic forces.

No. of Pages : 31 No. of Claims : 10

(71)Name of Applicant :

**1)Rakesh k Dhawan**

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U.S.A.

(72)Name of Inventor :

**1)Rakesh k Dhawan**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2012

(21) Application No.4256/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR OBTAINING SECURITY KEY IN RELAY SYSTEM

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(51) International classification	:H04W12/04
(31) Priority Document No	:200910110027.5
(32) Priority Date	:03/11/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/078367
Filing Date	:03/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)Huawei Technologies Co. Ltd.**

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Bantian Longgang District Shenzhen Guangdong 518129 P.R.  
China. China

(72)Name of Inventor :

**1)ZHANG Dongmei**

**2)BI Xiaoyu**

**3)ZHANG Aiqin**

(57) Abstract :

A method and a device for obtaining a security key in a relay system are disclosed in the embodiment of the present invention. A node in the relay system obtains an initial key, according to the initial key, the node obtains a root key of an air interface protection key between the node and another node that is directly adjacent to the node, and according to the root key, the node obtains the air interface protection key between the node and said another node that is directly adjacent to the node. Therefore, according to the initial key, each lower-level node obtains a root key of an air interface protection key between each lower-level node, so that data of a UE on a Un interface link may be respectively protected, that is, each active UE has a set of security parameters on the Un interface link, and effective security protection is performed on data on each segment of an air interface.

No. of Pages : 40 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4652/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : SAFETY CIRCUIT ARRANGEMENT AND METHOD FOR THE FAIL-SAFE MONITORING OF A MOVEMENT VARIABLE□

(51) International classification	:H02H7/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 055 991.4	<b>1)PILZ GMBH &amp; CO. KG</b>
(32) Priority Date	:23/11/2009	Address of Applicant :Felix-Wankel-Str. 2 73760 Ostfildern
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/068021	(72) <b>Name of Inventor :</b>
Filing Date	:23/11/2010	<b>1)LATURNER Andr</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a safety circuit arrangement (10) for the failsafe monitoring of a movement variable of a moving machine part in particular a rotational speed the arrangement comprising a signal input (16) for supplying an encoder signal (A) with the encoder signal (A) being representative of the movement variable to be monitored comprising a reference voltage path (20) for supplying a reference voltage (UrefA) a tap (M) connected to the signal input (16) and to the reference voltage path (20) in order to provide a superposition signal by superposing the reference voltage (UrefA) on the encoder signal (A) and comprising a measuring unit (22) which is connected to the tap (M) and is designed to detect whether the superposition signal reaches at least one predefined signal level or is within a predefined signal level range.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4653/CHENP/2012 A

(43) Publication Date : 04/10/2013

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(54) Title of the invention : A NON-WOVEN FIBRE PRODUCT COMPRISING FIBRES OF RECYCLED MATERIAL□

(51) International classification	:D04H1/42
(31) Priority Document No	:PA 2009 70203
(32) Priority Date	:13/11/2009
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2010/050305
Filing Date	:12/11/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)FORMFIBER DENMARK APS**

Address of Applicant :Ursusvej 16 8464 Skovby Galten Denmark

(72)**Name of Inventor :**

**1)ANDERSEN Carsten**

(57) Abstract :

The present invention concerns an air-laid non-woven fibre product comprising recycled material and manufactured by a dry forming process said product comprising: a first portion of up to 99 % dust material where the dust material is preferably recovered dust from manufacturing or the like of fibrous textile material preferably cotton textiles and a second portion at least 1 % bi-component fibres having a length between 2-75 mm preferably 2-25 mm in length.

No. of Pages : 15 No. of Claims : 15

### **AMENDMENT UNDER SEC.57**

Applications for change in the name of the Patentees in respect of Patent No.247425 (3021/KOLNP/2006) were filed from

1. BWG GMBH & CO.KG **to** VOESTALPINE BWG GMBH & CO.KG.

**AND**

2. VAE GMBH **to** VOESTALPINE VAE GMBH.

**AND**

3. VAE EISENSBAHNSYSTEME GMBH to VOESTALPINE WEICHENSYSTEME GMBH

Any person interested may at any time within three months from the date of publication give notice on Form 14 to the Controller of Patents, if any, at the appropriate office.

## Publication Under Section 43(2) in Respect of the Grant

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Approp riate Office
1	188536	279/DEL/1994	09/03/1994		A BARREL HEAD FOR SLACK ADJUSTER OF RAIL VEHICLES	SAB WABCO HOLDINGS B.V.		DELHI
2	257364	428/DEL/2007	27/02/2007 15:14:20		A BIOLOGICAL INDICATOR TO ASSESS STEAM STERILIZATION OF FOODS	DIRECTOR GENERAL	05/09/2008	DELHI
3	257365	290/DELNP/2006	28/07/2004	28/07/2003	DEVICE FOR DETECTING AND LOCATING THE DIFFERENCE IN DENSITY AND/OR STRUCTURE AND/OR CHEMICAL COMPOSITION OF A BIOLOGICAL TISSUE	SOPRO	17/08/2007	DELHI
4	257373	5497/DELNP/2007	06/07/2006	08/07/2005	A GEAR MOUNTING	ORBITAL 2 LIMITED	17/08/2007	DELHI
5	257375	5171/DELNP/2006	02/03/2005	05/03/2004	PILOT TRANSMISSION AND CHANNEL ESTIMATION FOR MISO ADN MIMO SYSTEM	QUALCOMM INCORPORATED	03/08/2007	DELHI
6	257376	5536/DELNP/2006	23/03/2005	24/03/2004	A WATER OR MILK BASED LIQUID PRODUCT COMPRISING LIVING MICRO-ORGANISMS.	NESTEC S.A.	24/08/2007	DELHI
7	257377	1614/DEL/2004	27/08/2004		A DECANTATION FUEL FILTRATION SYSTEM	MAHLE FILTER SYSTEM (INDIA) LIMITED,	22/09/2006	DELHI
8	257378	779/DELNP/2003	18/10/2001	02/11/2000	AN IMPROVED PROCESSOR	INTEL CORPORATION	15/05/2009	DELHI
9	257379	6428/DELNP/2006	18/05/2005	19/05/2004	VACCINE COMPRISING AN ATTENUATED PESTIVIRUS	BOEHRINGER INGELHEIM VETMEDICA GMBH	31/08/2007	DELHI
10	257380	8189/DELNP/2007	27/04/2006	03/06/2005	A PRESENCE COMMUNICATION METHOD AND A PRESENCE ENABLED COMMUNICATION SYSTEM	SIEMENS ENTERPRISE COMMUNICATIONS GMBH & CO.KG	04/07/2008	DELHI
11	257381	3757/DELNP/2005	21/01/2005	29/01/2004	OPTICAL DISC RECORDING APPARATUS, OPTICAL DISC RECORDING METHOD, OPTICAL DISC, OPTICAL DISC REPRODUCING APPARATUS, AND OPTICAL DISC REPRODUCING METHOD	SONY CORPORATION	14/08/2009	DELHI
12	257382	4844/DELNP/2005	24/04/2004	24/04/2003	METHOD FOR MANAGING COPY PROTECTION INFORMATION OF RECORDING MEDIUM	LG ELECTRONICS INC.	28/09/2007	DELHI

13	257384	1185/DELNP/2008	10/12/2001	11/12/2000	A BENZOYL DERIVATIVE AND PROCESS FOR THE PREPARATION OF 4-[3-DIBUTYLAMINO)PROPOXY]BENZOYL CHLORIDE HYDROCHLORIDE	SANOFI-AVENTIS,	09/05/2008	DELHI
14	257385	3799/DELNP/2006	18/02/2005	20/02/2004	VIRAL POLYMERASE INHIBITORS	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	22/06/2007	DELHI
15	257386	652/DEL/2006	10/03/2006		NOVEL CHROMIUM AND MANGANESE MIXED OXIDE PILLARED CLAY AND A PROCESS FOR THE PREARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	11/05/2012	DELHI
16	257387	1441/DEL/2005	03/06/2005		RECEPTOR-BASED RESPIRATORY FORMULATIONS FOR PREVENTION OR MANAGEMENT OF PULMONARY HYPERTENSION OR HYPOXIC HYPOXEMIA	DIRECTOR GENERAL DEFENCE RESEARCH AND DEVELOPMENT ORGANIZATION	24/08/2007	DELHI
17	257388	4978/DELNP/2007	01/12/2005	02/12/2004	PARTICLE SIZE CONTROL FOR ACETYLENIC AGENTS USEFUL IN CONDITION MONITORING SYSTEMS	TEMPTIME CORPORATION	17/08/2007	DELHI
18	257389	188/DELNP/2008	07/11/2001	09/11/2000	A PROCESS FOR THE PREPARATION OF DIENE ELASTOMERS	COMPAGNIE GENERALE DES ESTABLISSEMENTS MICHELIN,MICHELIN RECHERCHE ET TECHNIQUE S.A	15/02/2008	DELHI
19	257390	2145/DELNP/2008	14/09/2006	16/09/2005	IMPROVED POLY ARYL ETHER KETONE POLYMER BLENDS	SABIC INNOVATIVE PLASTICS IP B.V.,na	25/04/2008	DELHI
20	257391	7738/DELNP/2006	28/06/2005	28/06/2004	MULTI-LAYERED AIR PERMEATION PREVENTING LAYER OF PNEUMATIC TIRES	KOLON INDUSTRIES INC.	17/08/2007	DELHI
21	257392	478/DEL/2006	21/02/2006		AN IMPROVED SOLAR SELECTIVE COATING HAVING HIGHER THERMAL STABILITY USEFUL FOR HARNESSING SOLAR ENERGY AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	22/07/2011	DELHI
22	257393	264/DEL/2008	30/01/2008 16:21:06		AN ECO-FRIENDLY, ECONOMICAL AND NON-HAZARDOUS WOOD PRESERVATIVE.	FOREST RESEARCH INSTITUTE (INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION),	07/08/2009	DELHI
23	257402	2771/DELNP/2006	18/11/2004	20/11/2003	PROPYLENE GLYCOL-CONTAINING PEPTIDE FORMULATIONS	NOVO NORDISK A/S	03/08/2007	DELHI

24	257422	2364/DELNP/2006	28/10/2004	30/10/2003	MACHINE ADAPTATION	RENISHAW PLC.	03/08/2007	DELHI
25	257424	8153/DELNP/2007	24/04/2006	06/05/2005	MULTI-AXIAL SEAMED PAPERMAKING FABRIC AND METHOD	ASTENJOHNSON,INC.	04/07/2008	DELHI
26	257428	7468/DELNP/2006	22/07/2005	23/07/2004	4-HEPTEN-2-YL SALICYLATE AND ITS USE AS FRAGRANCE INGREDIENT	GIVAUDAN SA	17/08/2007	DELHI
27	257429	6912/DELNP/2006	15/06/2005	18/06/2004	THIENOPYRIDONE CARBOXAMIDES AND THEIR MEDICAL USE	ACTIVE BIOTECH AB	31/08/2007	DELHI
28	257430	787/DEL/2006	22/03/2006 12:16:40		A PROCESS FOR THE PREPARATION OF PETROLEUM PITCH FROM PETROLEUM REFINERY EXTRA VACUUM RESIDUE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	30/03/2012	DELHI
29	257431	1810/DELNP/2007	14/09/2005	14/09/2004	DIAGNOSTIC COMPOUNDS	GE HEALTHCARE AS,GE HEALTHCARE LIMITED	17/08/2007	DELHI
30	257434	466/DEL/2005	02/03/2005		siRNA USEFUL IN INHIBITING CELLULAR GROWTH/PROLIFERATION OF CANCEROUS TISSUES	NATIONAL INSTITUTE OF IMMUNOLOGY	10/11/2006	DELHI
31	257436	7784/DELNP/2006	20/06/2005	21/06/2004	WATER-ABSORBING POLYSACCHARIDE AND METHOD FOR PRODUCING THE SAME	EVONIK STOCKHAUSEN GMBH	17/08/2007	DELHI
32	257437	1122/DELNP/2004	14/11/2002	29/11/2001	A DEVICE FOR MAINTAINING SYNCHRONIZATION BETWEEN AN INCOMING TRANSPORT STREAM AND A PROGRAM STREAM DECODER DURING A CONVERSION OF THE TRANSPORT STREAM TO A PROGRAM STREAM	THOMSON LICENSING S.A.	28/07/2006	DELHI
33	257438	94/DEL/2006	12/01/2006	13/01/2005	WORKING MACHINE	NIPPEI TOYAMA CORPORATION	10/08/2007	DELHI
34	257442	7070/DELNP/2006	09/06/2005	16/06/2004	A COMPOSITION COMPRISING SYNERGISTICALLY ACTIVE MIXTURE OF ETHIPROLE AND NEONICOTINOIDS.	BAYER CROPSCIENCE AG	31/08/2007	DELHI
35	257443	628/DEL/2007	22/03/2007 11:47:52	12/04/2006	A METHOD OF DETERMINING THE INTEGRITY OF A PARTICULAR FILTERING ELEMENT WITHIN A MULTI-FILTER ENVIRONMENT	EMD MILLIPORE CORPORATION	26/10/2007	DELHI
36	257446	4047/DELNP/2007	23/11/2005	24/11/2004	METHOD FOR ADAPTIVELY TRANSFERRING PACKETS OVER A TRANSMISSION LINK	QUALCOMM INCORPORATED	31/08/2007	DELHI
37	257447	7746/DELNP/2006	13/07/2005	14/07/2004	PROCESS FOR THE PREPARATION OF 4,4-DIFLUORO-3-OXOBUTANOIC ACID ESTERS	SYNGENTA PARTICIPATIONS AG	17/08/2007	DELHI

## Publication Under Section 43(2) in Respect of the Grant

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Ser ial Nu mb er	Patent Number	Application Number	Date of Applicatio n	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	257367	2232/MUMNP/2010	23/03/2009	07/05/2008	PROCESS FOR PRODUCING BAKED POTATO SLICES WITH EXPANDED TEXTURE	FRITO-LAY NORTH AMERICA, INC.	14/10/2011	MUMBAI
2	257383	1344/MUMNP/2008	10/01/2007	10/01/2006	APPARATUS AND METHOD FOR CONTROLLING HYBRID MOTOR	ENI CO., LTD.	12/12/2008	MUMBAI
3	257395	909/MUMNP/2008	15/09/2006	08/10/2005	A LEAKPROOF BOTTLE FOR INFANT FOOD	MAPA GMBH GUMMI-UND PLASTIKWERKE	27/06/2008	MUMBAI
4	257399	2132/MUM/2008	03/10/2008		THIOPHENE CONTAINING ANALOGUES OF FLUCONAZOLE AS ANTIFUNGAL AGENTS AND PROCESS THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH,FDC LIMITED	09/04/2010	MUMBAI
5	257401	2365/MUMNP/2008	12/06/2006	07/04/2006	A METHOD & APPARATUS FOR CONTINUOUSLY CRACKING WASTE RUBBER AND/OR PLASTICS	NIU, BIN	27/02/2009	MUMBAI
6	257412	990/MUMNP/2006	16/02/2005	17/02/2004	A CONTACT LENS PACKAGE	MENICON SINGAPORE PTE LTD	13/04/2007	MUMBAI
7	257420	722/MUMNP/2008	04/10/2006	05/10/2005	A CONSTANT VELOCITY BALL AND SOCKET JOINT	SHAFT-FORM-ENGINEERING GMBH	27/06/2008	MUMBAI
8	257421	2020/MUM/2006	11/12/2006 15:38:40	21/12/2005	PROFILE - RAIL SYSTEM	HERM. FRIEDR. KUENNE GMBH & CO.	19/09/2008	MUMBAI
9	257423	724/MUMNP/2008	15/09/2006	28/09/2005	A CLAMP ASSEMBLY FOR SECURING AN ANCILLARY DEVICE TO A STANDING SEAM	TAYLOR, PETER	27/06/2008	MUMBAI
10	257425	2559/MUM/2007	26/12/2007		GEAR TOOTH CHAMFERING AND ROUNDING MACHINE	PREMIER LIMITED	25/01/2008	MUMBAI
11	257426	1100/MUMNP/2006	07/03/2005	08/04/2004	TESTING METHOD FOR BALL MILLS	OUTOKUMPU TECHNOLOGY OYJ	13/04/2007	MUMBAI

## Publication Under Section 43(2) in Respect of the Grant

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257366	1450/CHE/2006	17/08/2006		METHOD OF TRANSMITTING A DATA PACKET WITH SHORTENED SEQUENCE NUMBERS IN HEADERS OF ARQ PROTOCOLS	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	02/05/2008	CHENNAI
2	257369	1602/CHE/2005	03/11/2005	05/11/2004	INTEGRATED RED MUD SETTLING AND SEPARATING WASHING METHOD AND SETTLER	CHINA ALUMINUM INTERNATIONAL ENGINEERING CORPORATION LIMITED	27/07/2007	CHENNAI
3	257394	2813/CHENP/2007	21/12/2005	24/12/2004	WATER TRAP FOR SANITARY APPLIANCES	STUDOR S.A	07/09/2007	CHENNAI
4	257396	629/CHENP/2007	08/07/2005	13/07/2004	LIPIDATED GLYCOPROTEIN PARTICLES AND METHODS FOR PREPARING THE SAME	RAMOT AT TEL AVIV UNIVERSITY LTD	24/08/2007	CHENNAI
5	257397	4442/CHENP/2007	27/03/2006	07/04/2005	REFRIGERATED DRAWER STRUCTURE	WHIRLPOOL CORPORATION	25/01/2008	CHENNAI
6	257403	849/CHE/2004	25/08/2004		BREAKAWAY DESIGN FOR PCB	SKANRAY HEALTHCARE PRIVATE LIMITED	14/08/2009	CHENNAI
7	257405	2607/CHENP/2007	16/12/2005	17/12/2004	A SYSTEM FOR SELECTIVE DISRUPTION OF LIPID RICH CELLS BY CONTROLLED COOLING	THE GENERAL HOSPITAL CORPORATION	07/09/2007	CHENNAI
8	257409	6020/CHENP/2007	29/08/2006	02/09/2005	TRANSMITTING AND RECEIVING CODED INFORMATION IN A MIMO COMMUNICATION SYSTEM	LUCENT TECHNOLOGIES INC.	27/06/2008	CHENNAI
9	257418	3516/CHENP/2008	09/12/2005	09/12/2005	A PROCESS FOR PREPARING HIGH PURITY TEREPHTHALIC ACID	COBARR S.P.A	13/03/2009	CHENNAI
10	257419	2/CHE/2006	02/01/2006		A SYSTEM FOR DETECTION OF EARTH LEAKAGE CURRENT	LARSEN & TOUBRO LIMITED	19/05/2006	CHENNAI

11	257427	3910/CHENP/2008	27/12/2006	27/12/2005	COATING AGENT	SK KAKEN CO., LTD.	13/03/2009	CHENNAI
12	257432	446/CHENP/2004	28/04/2003	02/07/2002	MOTION VECTOR DERIVATION METHOD AND MOTION VECTOR DERIVATION APPARATUS	PANASONIC CORPORATION	23/12/2005	CHENNAI
13	257433	2489/CHENP/2006	10/01/2005	08/01/2004	A SYSTEM FOR ASSESSING BLOOD CIRCULATION IN A SUBJECT'S LIMB	DIALOG DEVICES LIMITED	08/06/2007	CHENNAI
14	257435	2331/CHENP/2008	13/10/2006	13/10/2005	APPARATUS AND METHOD FOR HIGH PRESSURE EXTRUSION WITH MOLTEN ALUMINUM	ALCOA INC.	06/03/2009	CHENNAI
15	257439	1227/CHE/2008	19/05/2008		VERTICAL AXIS WINDMILL WITH STREAM LINED BLADES	R. KARTHIKEYAN	13/06/2008	CHENNAI
16	257440	21/CHENP/2008	06/04/2006	02/06/2005	PROCESS FOR PRODUCING SYNTHESIS GAS AND RELATED APPARATUS	CASALE CHEMICALS S.A	28/11/2008	CHENNAI
17	257445	373/CHE/2008	14/02/2008		OVER HEAD TANK FLOW CONTROL VALVE	MOHAMED GANY AJMAL KHAN	21/03/2008	CHENNAI
18	257449	331/CHE/2008	08/02/2008		A PROCESS OF PREPARING A PRODUCT TO BOOST PHOTOSYNTHESIS	SREE RAMCIDES CHEMICALS PVT LTD	11/09/2009	CHENNAI
19	257450	1904/CHE/2008	07/08/2008 16:13:50		A PROCESS FOR PREPARATION OF INSULIN COMPOUNDS	BIOCON LIMITED	12/02/2010	CHENNAI

## Publication Under Section 43(2) in Respect of the Grant

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Seri al Nu mber	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257368	289/KOL/2007	26/02/2007		A PROCESS FOR MANUFACTURE OF HIGH STRENGTH (MORE THAN 1500 MPA) AUSTEMPERED DUCTILE IRON	STEEL AUTHORITY OF INDIA LIMITED	05/09/2008	KOLKATA
2	257370	272/KOL/2007	23/02/2007		CARBON-MANGANESE STRAP STEEL WITH HIGH STRENGTH-DUCTILITY.	STEEL AUTHORITY OF INDIA LIMITED	05/09/2008	KOLKATA
3	257371	2476/KOLNP/2007	22/12/2005	23/12/2004	RF-PROPERTIES- OPTIMIZED COMPOSITIONS OF (RE) BA <sub>2</sub> CU <sub>3</sub> O <sub>7</sub> -D THIN FILM SUPERCONDUCTORS	SUPERCONDUCTOR TECHNOLOGIES, INC.	24/08/2007	KOLKATA
4	257372	48/KOLNP/2007	12/07/2005	16/07/2004	INHALER FOR THE ADMINISTRATION OF POWDERED PHARMACEUTICALS AND A POWDER CARTRIDGE SYSTEM FOR USE WITH THIS INHALER	ALMIRALL S.A.	29/06/2007	KOLKATA
5	257398	2601/KOLNP/2006	11/03/2005	12/03/2004	A METHOD FOR TRANSMITTING CHANNEL QUALITY INFORMATION (CQI) IN A WIRELESS COMMUNICATION SYSTEM USING AN OFDM SCHEME	SAMSUNG ELECTRONICS CO. LTD.	01/06/2007	KOLKATA
6	257400	1570/KOLNP/2007	29/10/2004	29/10/2004	A COMMUNICATIONS APPARATUS AND A METHOD IN A COMMUNICATIONS SYSTEM FOR EXCHANGE OF INFORMATION BETWEEN COMMUNICATIONS APPARATUSES	FUJITSU LIMITED	27/07/2007	KOLKATA

7	257404	2796/KOLNP/2006	18/03/2005	02/04/2004	METHOD AND DEVICE FOR RECORDING PROCESS PARAMETERS OF REACTION FLUIDS IN SEVERAL AGITATED MICROREACTORS	RWTH AACHEN	01/06/2007	KOLKATA
8	257406	55/KOL/2005	31/01/2005		AN ON-BOARD PROCESSING UNIT FOR A GLOBAL POSITIONING SYSTEM	TATA STEEL LIMITED	25/05/2007	KOLKATA
9	257407	3640/KOLNP/2006	04/05/2005	10/05/2004	SERVER'S FUNCTION BOARD MAINTENANCE	TELEFONAKTIEBOLAGET LM ERICSSON (Publ)	15/06/2007	KOLKATA
10	257408	2612/KOLNP/2007	14/01/2005	22/12/2004	METHOD AND SYSTEM OF PREPARING A MOBILE STATION HANDOVER BETWEEN ACCESS POINTS	TELEFONAKTIEBOLAGET LM ERICSSON (publ)	31/08/2007	KOLKATA
11	257410	1192/KOLNP/2006	08/10/2004	10/10/2003	MOBILE-TERMINAL GATEWAY	TELEFONAKTIEBOLAGET LM ERICSSON (publ)	27/04/2007	KOLKATA
12	257411	624/KOL/2006	26/06/2006	12/07/2005	A METHOD FOR DISTRIBUTING DATA PACKETS ADDRESSED TO AT LEAST ONE VIRTUAL ADDRESS RECEIVED OVER A COMMUNICATION NETWORK AND A CLUSTER SYSTEM	FUJITSU SIEMENS COMPUTERS INC.	22/06/2007	KOLKATA
13	257413	779/KOLNP/2007	10/08/2005	08/09/2004	DEVICE AND METHOD FOR RECONSTRUCTION OF MULTI-CHANNEL AUDIO SIGNAL FOR GENERATING A PARAMETER DATACERT	FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	13/07/2007	KOLKATA
14	257414	659/KOL/2005	25/07/2005	28/07/2004	METHOD FOR SYNCHRONIZING A MOBILE TERMINAL AND A SERVER IN A SHADOW AREA OF SERVICE IN A PUSH-TO-TALK SERVICE SYSTEM, MOBILE TERMINAL AND SERVER THEREFOR	LG ELECTRONICS INC.	12/01/2007	KOLKATA
15	257415	2864/KOLNP/2006	04/03/2005	30/03/2004	HANDHELD DEVICE LOUDSPEAKER SYSTEM	MOTOROLA MOBILITY, INC.	08/06/2007	KOLKATA
16	257416	3537/KOLNP/2006	28/04/2005	16/08/2004	A METHOD AND A TRANSMITTER FOR GENERATING A BLOCK LOW DENSITY PARITY CHECK (LDPC) CODE HAVING A VARIABLE LENGTH	SAMSUNG ELECTRONICS CO. LTD.	15/06/2007	KOLKATA

17	257417	3329/KOLNP/2006	20/05/2005	21/05/2004	A METHOD AND DEVICE FOR SEPARATING PARTICLES FROM A FLUE GAS FLOW PASSED SUBSTANTIALLY HORIZONTALLY IN A FLUE GAS DUCT FROM A FIRST POSITION TO SECOND POSITION	ALSTOM TECHNOLOGY LTD.	15/06/2007	KOLKATA
18	257441	1556/KOLNP/2005	25/02/2004	25/02/2003	PROCESS AND APPARATUS FOR THE PYROLYSIS OF BIOMASS	PYTEC THERMOCHEMISCHE ANLAGEN GMBH	27/07/2007	KOLKATA
19	257444	4794/KOLNP/2007	16/06/2006	29/06/2005	PROCESS FOR BREAKING THE CARBON CHAINS OF ORGANIC MOLECULES OF SOLID MATERIALS AND RELATED APPARATUS	I.T.E.R. S.R.L.	02/01/2009	KOLKATA
20	257448	264/KOLNP/2009	03/08/2007	04/08/2006	AQUEOUS ACTIVE INGREDIENT CONCENTRATE HAVING AN HERBICIDAL EFFECT	BASF SE	08/05/2009	KOLKATA

***CONTINUED TO PART- 2***