

पेटेंट कार्यालय  
का  
शासकीय जर्नल

OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE

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निर्गमन सं. 38/2013  
ISSUE NO. 38/2013

शुक्रवार  
FRIDAY

दिनांक: 20/09/2013  
DATE: 20/09/2013

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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**

20<sup>th</sup> SEPTEMBER, 2013

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**THE PATENT OFFICE  
KOLKATA, 20/09/2013**

**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> <p>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</p>
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> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu &amp; Dadra and Nagar Haveli</p>	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> <p>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and the Union Territory of Chandigarh.</p>		

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 20/09/2013**  
**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.2151/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013

(43) Publication Date : 20/09/2013

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(54) Title of the invention : REDUCED-FAT FEREEN MIX

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(51) International classification	:A23L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHAT ZUHAIB FAYAZ</b>
(32) Priority Date	:NA	Address of Applicant :SHER-E-KASHMIR UNIVERSITY
(33) Name of priority country	:NA	OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF
(86) International Application No	:NA	JAMMU, SENIOR SCIENTIST QUARTER, RESIDENTIAL
Filing Date	:NA	COMPLEX, UDHYAWALLA CAMPUS, JAMMU, 180002.
(87) International Publication No	: NA	Jammu & Kashmir India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BHAT ZUHAIB FAYAZ</b>
(62) Divisional to Application Number	:NA	<b>2)KUMAR SUNIL</b>
Filing Date	:NA	

(57) Abstract :

A dry pudding mix for producing a reduced-fat Kashmiri semolina-milk pudding (Fereen) is disclosed which contains from about 50 to about 60 parts by weight dried milk solids and non-fat dry milk solids in a ratio of from about 2:1 to about 0:1, from about 40 to about 50 parts by weight finely divided sugar, from about 32 to about 48 parts by weight semolina, from about 0 to about 30 parts by weight finely divided khoa, from about 4 to about 20 parts by weight dried edible nuts, from about 2 to about 20 parts by weight water-soluble dietary fiber composition, from about 4 to about 12 parts by weight dried coconut, from about 4 to about 12 parts by weight dry sodium casienate, and from about 12 to about 2 parts by weight carbohydrate based hydrocolloid. The Fereen mix of the present invention may be packed in pouches or envelopes or other protective cartons which afford moisture-barrier features.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2013

(21) Application No.2424/DEL/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STIMULATING CHEWABLE PROCESSED COMPOUND (SCPC) AND ITS MAKING PROCESS

(51) International classification	:A23L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHANTNU GUPTA</b>
(32) Priority Date	:NA	Address of Applicant :B-3/449, PASCHIM VIHAR, NEW
(33) Name of priority country	:NA	DELHI-110063 India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SHANTNU GUPTA</b>
(87) International Publication No	: NA	<b>2)SHASHI BHUSHAN SINHA</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 Stimulating Chewable Processed Compound is a novel product which will fulfil and replace chewing habit of individuals in replacement of harmful chewing products like Gutkha, Panmasala others any kind of betel nuts etc. This product uses Chowahara as base product and uses common herbs viz Saunf (Fennel); Foeniculum vulgare, Cardamom seeds, Clove (seed of Syzygium aromaticum); Jaiphal (Nutmeg); seeds of Myristica fragrans, Pudhina ,Tulsi, Kewara and Saffron as Stimulating and flavouring ingredients. The base material is roasted at an optimum temperature for an optimum time and then the herbs are sprinkled in form of powder which act as stimulating materials for the brain and will deaddict a person of Tobacco. The herbs have been tried in various ratio and an ideal ratio have been developed which de-addicts the Tobacco habit. The herb will be able to act as a de-addiction chewing material for Tobacco users. It will also be useful as mouth freshener and as digestive agent and also for chewing it at time of deep stress and depression. It will thus act as antidepressant also without having any side effects.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2013

(21) Application No.2447/DEL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD FOR BIO-BLEACHING OF WOOD KRAFT PULPS

(51) International classification	:c12n	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)REGISTRAR, UNIVERSITY OF DELHI SOUTH CAMPUS,</b>
(32) Priority Date	:NA	Address of Applicant :LIGNOCELLULOSE
(33) Name of priority country	:NA	BIOTECHNOLOGY LAB, DEPT. OF MICROBIOLOGY,
(86) International Application No	:NA	UNIVERSITY OF DELHI SOUTH CAMPUS, NEW DELHI -
Filing Date	:NA	110021 India
(87) International Publication No	: NA	<b>2)CENTRAL PAPER AND PULP RESEARCH INSTITUTE</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KUHAD, RAMESH CHANDER</b>
(62) Divisional to Application Number	:NA	<b>2)JAIN, R. K</b>
Filing Date	:NA	<b>3)THAKUR, VADDE VASANTA</b>
		<b>4)SHARMA, ABHA</b>
		<b>5)GUPTA, VIPIN</b>
		<b>6)MATHUR, R.M</b>

(57) Abstract :

The invention relates to a method for bleaching of wood kraft pulp said invention being characterized in that the bleaching process proceeds stagewise from a treatment using a alkaline laccase from Ganoderma sp. (MTCC-5830) and xylanase enzyme followed by bleaching with elemental chlorine free bleaching chemicals. The bleaching method according to the invention uses a novel laccase enzyme having activity in the alkaline pH range of 8.2-8.7 with out using any artificial expensive mediator but making use of oxygen to enhance the oxidative activity of the said laccase enzyme. The bleaching method of the invention achieves reduction of toxic chlorine dioxide (ClO<sub>2</sub>) requirement by 30 - 40% and at the same time improving the optical properties of the pulp suitable to produce high quality paper.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2013

(21) Application No.2417/DEL/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NUTRITIONAL REFRESHING SUMMER COLD DRINK

(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 :**  
**1)DR. MUNISH GARG**  
Address of Applicant :ASSOCIATE PROFESSOR  
DEPARTMENT OF PHARMACEUTICAL SCIENCES,  
MAHARSHI DAYAYNAD UNIVERSITY, ROHTAK-124001,  
HARYANA, INDIA  
(72)**Name of Inventor :**  
**1)DR. MUNISH GARG**  
**2)VINNI AHUJA**  
**3)DR. CHANCHAL GARG**

(57) Abstract :

A nutritional summer cold drink is presented, along with method of composition and use. The summer cold drink of the present invention is produced primarily with all fresh fruit juices and herbal extracts, yet provides a good taste and aroma.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/08/2013

(21) Application No.2416/DEL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A HYDRAZONE SCHIFF BASE LIGAND AND METHOD THEREOF

(51) International classification

:C07H

(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. MANOJ KUMAR**

Address of Applicant :ASSOCIATE PROFESSOR,  
DEPARTMENT OF CHEMISTRY HAMARISHI  
MARKANDESHWAR UNIVERSITY, SADOPUR-AMBALA,  
HARYANA, INDIA

**2)DR. RAJSHREE KHARE**

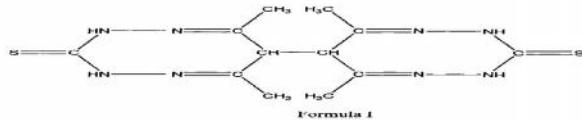
(72)Name of Inventor :

**1)DR. MANOJ KUMAR**

**2)DR. RAJSHREE KHARE**

(57) Abstract :

This invention relates to synthesis of hydrazone Schiff base ligand and evaluating its antimicrobial activities. The preparation of hydrazone Schiff base ligand has been achieved by reaction between 3,4-diacetyl-2,5-hexanedione and thiocarbohydrazide.



No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/09/2013

(21) Application No.2864/MUM/2013 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ICE CREAM ON COCONUTSHELL

(51) International classification	:A23G9/48	(71) <b>Name of Applicant :</b> <b>1)MR. PHIROZ AHMED SHEIKH</b> Address of Applicant :C/704, 7TH FLOOR, JUHU ABHISHEK APARTMENTS JUHU VERSOVA LINK ROAD, ANDHERI WEST, MUMBAI-400 053, 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	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)MR. PHIROZ AHMED SHEIKH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Only the shells of unique size and shape are considered after stringent quality process to retain consistent identity and attractiveness of inner coconut pack. This gives richness to the brand and product. Detail process is set up in sorting unique size and shape shells out of large quantity of shells which comes for processing. The standard diameter with depth is considered while selecting the coconut shells before the heating process to have uniform inner packing. The entire process, size and process of quality standard is unique in itself achieved by our in house research departments years of work.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/09/2013

(21) Application No.2867/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A COMPACT FORCED DRAFT WATER COOLING TOWER

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(51) International classification	:F28C1/00
(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 :

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Address of Applicant :48/1438, Pantnagar, Ghatkopar East,  
Mumbai 400 075, Maharashtra India

(72)Name of Inventor :

**1)Joshi Anant Manishankar**

(57) Abstract :

The present invention relates to a compact forced draft cooling tower consists a cooling tower (11) that mainly comprising an inclined multi layered discrete water guiding channels (12) with an annulated end (22), and a plurality of vertically mounted slotted and substantially rectangular rod shaped supporting members (13) for supporting said multi layered water guiding channels (12). The arrangement of said water guiding channels (12) and the supporting members (13) defines a housing having a partially closed interior chamber in which said water guiding channels (12) being arranged. During the operation, the hot water to be cooled is flows gently along a zigzag path in said interior chamber on both upper as well as bottom surface of each of the water guiding channels in the form of thin layer and finally get cooled due to self and induced evaporative cooling mechanism.

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2013

(21) Application No.2697/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A MECHANISM TO EXTERNALLY OPERATE A TELESCOPIC BOOM

(51) International classification	:B66C23/00	(71) <b>Name of Applicant :</b> <b>1)PARAG K. TAKTAWALA</b> Address of Applicant :601, SAMPRAT RESIDENCY-2, OPP. PARIVAAR SOCIETY, NEAR SATYAGRAH CHHAVANI, BODAKDEV, 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	
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 mechanism to operate a telescopic boom includes at least one guide block attached to at least one of the segments of the telescopic boom. The guide block has a through curved slot. At least one strip passes through the said curved slot and is attached to the guide block. The other end of the said strip is attached to a take-up spool. A pair or rollers in contact under pressure with the said strip causes the strip to conform to the curvature of the rollers. The curved slot in the guide block generally increases the curvature of the said strip and substantially maintains the increased curvature. The strip extends or retracts depending on the direction of rotation of the said rollers. At least one of the said rollers is rotated by a prime mover.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2013

(21) Application No.2562/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WEARABLE MULTI-SENSORY PERSONAL SAFETY AND TRACKING DEVICE

(51) International classification	:G08B7/00	(71) <b>Name of Applicant :</b> <b>1)SHAH TEJAS GIRISH</b> Address of Applicant :B3/801 SHIVRANJAN TOWERS, SURVEY#12 SOMESHWAR WADI, NEAR RAJWADA HOTEL, PASHAN, PUNE - 411008 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	<b>2)SHAH RASESH HASMUKH</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)SHAH TEJAS GIRISH</b>
(86) International Application No	:NA	<b>2)SHAH RASESH HASMUKH</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 is a wearable, multi-sensory, personal safety and tracking device which predicts danger by sensing changes in voice, pulse, emotions, impact, motion of the wearer and the device state. In emergency situations, the device triggers SOS, alarm, electro shock, pepper spray and starts capturing images and audio recording for the safety of the wearer. For keeping a track of the wearer, the device connects to the internet using GPRS and sends the images clicked, the sound recorded and the GPS and GSM coordinates to the rescue team for gaining help for the wearer if needed. In the present invention, various technologies are integrated into one single wearable device thereby eliminating the need for purchasing and carrying multiple devices like pulse monitor, motion monitor, phone, camera, GPS module, self-defense tools, etc. thus saving money and providing comfort to the user.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/09/2013

(21) Application No.2871/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WHEATWELL ICE CREAM

(51) International classification	:A23G9/32	(71) <b>Name of Applicant :</b> <b>1)MR. PHIROZ AHMED SHEIKH</b> Address of Applicant :C/704, 7TH FLOOR, JUHU ABHISHEK APARTMENTS JUHU VERSOVA LINK ROAD ANDHERI WEST, MUMBAI-400053, 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	(72) <b>Name of Inventor :</b> <b>1)MR. PHIROZ AHMED SHEIKH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Wheat well ice cream is one of the so-called green desserts and ice cream products nicely blended with rich healthy properties of wheat grass and ice cream made with fructose. This unique combination has come out with a product which can be consumed by large group of population who otherwise does not have access to normal ice cream under health ground. Normal ingredients having rich properties in wheat well ice cream: Wheatgrass: It has natural source of nutrients. Wheat grass contains 70% chlorophyll, which is often referred to as Blood of plant life. It produces unfavorable environment for bacterial growth in the body thereby increasing the bodys resistance to illness.

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/07/2012

(21) Application No.2150/MUM/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : RING GROOVE CHECKER/CALIPER

(51) International classification	:G01B5/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)BHARAT NEMICHAND. MAWANI</b>
(32) Priority Date	:NA	Address of Applicant :82/2B ARRANYESHWAR PARK-A/5, PARVATI,PUNE-411 009, Maharashtra India
(33) Name of priority country	:NA	<b>2)SADANAND RAMESH BHAVSAR</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)BHARAT NEMICHAND. MAWANI</b>
(87) International Publication No	:N/A	<b>2)SADANAND RAMESH BHAVSAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Accordingly, the present invention provides a checker/caliper for measurement of an outer diameter (OD), an inner diameter (ID) and a pitch diameter of a ring groove. The ring groove checker/caliper comprises a caliper, a first jaw holder, a second jaw holder, a first ball, a second ball, a display device and a knob. The present invention also provides a process for measuring OD, ID and the pitch diameter of the ring groove.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2013

(21) Application No.2883/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PIPE USED FOR GENERATING ELECTRICAL ENERGY BY HARNESSING ENERGY OF THE WATER FLOWING THROUGH IT.

(51) International classification	:H02K7/11	(71) <b>Name of Applicant :</b> <b>1)PANDYA, NAIKAJ</b> Address of Applicant :GOKUL, 3 TEJPAL ROAD, NEAR AUGUST KRANTI MAIDAN, GAMDEVI, 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	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)PANDYA, NAIKAJ</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 pipe used for generating external energy by water flowing through it, which harvests the power of flowing water which normally goes waste. The pipe works as a simple generator and uses the energy present in the water flowing through the plumbing system with the help of internal turbine units and converts it into electrical power through the interaction of the blade mounted magnets and external winding present in the pipe. The pipe has been designed such that it can replace the existing pipes and does not require excessive additional changes in the plumbing of any building. It produces green energy which is clean, safe and having low production cost which can be stored in batteries for later usage.

No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2013

(21) Application No.2637/MUM/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SOLAR CHARGING HELMET USING CONVERTER

(51) International classification	:A42B3/04	(71) <b>Name of Applicant :</b> <b>1)PRASAD RAVI JATEGAONKAR</b> Address of Applicant :C/O SHRI.-D. SHINGARE, PLOT NO.: - 5-B, TILAK NAGAR, DHARAMPETH, NAGPUR-440010, 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	(72) <b>Name of Inventor :</b> <b>1)PRASAD RAVI JATEGAONKAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Solar charging helmet consists of a solar panel, a booster (converter) and connectors. One solar panel, one booster (converter), connectors. The Solar panel gives an output voltage of 5 volts (maximum 6 volts). The Booster is a converter which is an electronic circuit and converts the output voltage of 5 volts generated by the solar panel to 9 volts (in full Sun Light). The connectors help in providing 9 volts output power supply to the cell phone battery or transistor. A variety of connecting pins are provided for compatibility with the devices to be charged. The solar panel is mounted on the top of the helmet (pic 1) and the converter is fitted on the back of the helmet (pic 2). Pic. 3 gives the overall preferred model of the said device along with the connecting device. Picture of Solar charging helmet. Size of Solar Plate :- 8 cm.X 7 cm. Size of Converter /Booster Plate :- 10 cm. X 7 cm This solar panel is small and we can easily fit it on the helmet. Our normal working is in daytime. We may move on Two-wheeler wearing Helmet to Perform our work (Farm ,Industriy, Civil work, Outing,Moving job,...etc). At that time this is usefull.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3792/CHE/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : KINETIC POWER GENERATING FROM CONCURRENT ARM SYSTEM

(51) International classification	:F03G
(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)M.K. RAVI

Address of Applicant :NO.2, SREE SATHYA NAGAR,  
KOLATHUR, CHENNAI - 600 099 Tamil Nadu India

(72)Name of Inventor :

1)M.K. RAVI

(57) Abstract :

GENERATING POWER THROUGH KINETIC ENERGY OF MECHANICALLY DESIGNED SPEED MANAGEMENT SYSTEM IT HAS BEEN BRIEFED IN THE SUMMARY. THIS IS VERY SIMPLE METHOD OF GENERATING KINETIC ENERGY AVAIUNG THE SERVICES OF NEW INVENTION INTRODUCED BY ME. THIS IS THE VERY CHEAP AND ECONOMICAL METHOD OF KINETIC ENERGY GENERATING WITH CHEAPER POWER GENERATING COST. THIS METHOD NEEDS, (a) VERY SMALL SAFE PLACE AS BRIFIED ABOVE. (b) RCCSUITABLE FOUNDATION, (c) HORIZONTAL ARM WITH DRIVING ACCESSORIES CONNECT TO CENTRE AXIS. THIS IS VERY EASY AND CHEAPEST METHOD INVOLVING WITH LESSER INPUT COST. WE CAN GET CONTINUOUS OUTPUT GENERATING OF POWER THROUGHOUT THE YEAR. ONLY THE ROUTINE MAINTANNCE OF GEAR BOX AND IT ACCESSORIES ARE REQUIRED. THERE IS NO ANY OUTSOURCING REQUIREMENT IS NEEDED FOR THIS PROJECT INVENTION EXCEPT SAFETY MEASURES AND THE RESULT OF THIS METHOD GENERATING POWER WILL HIT THE WORLD IN THE FUTURE GENERATION.

No. of Pages : 10 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2013

(21) Application No.3632/CHE/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR INCREASING PRESSURE OF A FLUID IN A PLUMBING ASSEMBLY

(51) International classification	:F16L	(71) <b>Name of Applicant :</b> <b>1)K. JAGANNATH RAO</b> Address of Applicant :Flat 339, Shribagh Apartments, 18th Cross Malleswaram, Bangalore, , 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> <b>1)K. JAGANNATH RAO</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 increasing pressure of a fluid at an outlet of a plumbing assembly includes a fluid supply system that supplies the fluid, a pressurized substance supply system that supplies a pressurized substance, and a first conduit. The first conduit includes an inlet adapted to connect with the fluid supply system, an outlet, and a first valve that prevents a reverse flow of the pressurized substance towards the fluid supply system. A second conduit includes a proximal end that is adapted to connect with the pressurized substance supply system, a distal end that is adapted to fit into the first conduit, a second valve which maintains the pressurized substance in the second conduit at a predetermined pressure level, and a third valve which stops reverse flow of the fluid into the second conduit when the pressurized substance supply system is turned off

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/09/2013

(21) Application No.3960/CHE/2013 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : MOBILE LEVER TRACKING (ELTRAS)

(51) International classification	:H04M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)R. THIRUVENGADAM</b>
(32) Priority Date	:NA	Address of Applicant :2/11, THANGAL STREET, ANNA
(33) Name of priority country	:NA	NAGAR, RAMAPURAM, NANDHAMBAKKAM POST,
(86) International Application No	:NA	CHENNAI - 600 089 Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)R. THIRUVENGADAM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

When the door got closed, the lever was pressed with the door so there is an gap exist between the guide pin and the phone keypad (No 5) when the door opened due to the spring tension and pneumatic cylinder a equal pressure developed which leads the guide pin to press the phone key (No.5) thus enabling speed dialing option so that the owner gets the call which was alert for him.

No. of Pages : 7 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2012

(21) Application No.3821/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ON LINE DETECTION AND AUTO APPLICATION OF BRAKES TO TRAINS IN CASE OF FIRE ACCIDENTS IN TRAINS

(51) International classification	:A62C3/00	(71) <b>Name of Applicant :</b> <b>1)P.V. NARASIAH NAIDU</b> Address of Applicant :20-6-198, RAMLINGSWARA PET, NEAR LOTUS LAND MARK, NEAR AYODHYANAGAR, VIJAYAWADA - 520 003 Andhra 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	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)P.V. NARASIAH NAIDU</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 the system of stopping the trains in case of fire accidents in india is manual, in case of fire in trains there is no system to alert the driver for stopping the train. The loco pilots are supposed to see back into the train as when about for any unusual in train If the loco pilot or his assistant observes any fire in the train he will apply the brakes, or by pulling chain by any alert passenger .But the chances of observing fire in train by loco pilots is very remote .In case of fire due panic of the passengers or damaging of the chain system due to fire the chain system becomes non functional. The prime job of the crew in loco is to observe signal in front but not looking back. There is no system existing in Indian railways for the detection of fire in the passenger coaches and applying the brakes automatically. The proposed system consists of fire and temperature detectors above 50 degrees Centigrade fixed in each bay of the compartment. These sensors will detect the fire or high temperature and send signal to the relay in the breaking system of the train. The relay will operate a safety valve in breaking system of the train and breaks will be applied immediately to the wheels

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/09/2012

(21) Application No.3822/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WARNING AND RECORDING DEVICE FOR DETECTION OF HOT MOVING/DEFECTIVE PARTS IN TRAINS

(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

(57) Abstract :

The present system in Indian railways on the detection of the defects generated during the movement of the trains is very primitive. When trains move men posted at the stations and at Level crossing gates will be watching the trains and informing the loco pilots, guards of the trains. It is highly difficult for the persons standing at a distances to observe the defect in the coaches and locos and inform the loco pilots and guards. The present invention is aimed at recording of the moving train when the trains are passes through the stations/specify location the movements of the trains will be recorded and stored in a micro processor in the station/any notified location. The recorded video will be immediately telecasted to station/notified location before the train enters the station/notified location. The recorded telecast will also have the facility to watch in slow motion and close view of any suspected defect.

No. of Pages : 13 No. of Claims : 5

(71)Name of Applicant :

**1)P.V. NARASIAH NAIDU**

Address of Applicant :20-6-198, RAMLINGSWARA PET,  
NEAR LOTUS LAND MARK, NEAR AYODHYANAGAR,  
VIJAYAWADA - 520 003 Andhra Pradesh India

(72)Name of Inventor :

**1)P.V. NARASIAH NAIDU**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/08/2012

(21) Application No.3575/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PORTABLE PLASTICIZED WALLET CARD WITH DIGITALLY EMBEDDED INFORMATION

(51) International classification	:G06K	(71) <b>Name of Applicant :</b> <b>1)CH.V.K.S. KUMAR</b> Address of Applicant :S/o. CH. KRISHNA MURTHY, 202, AIRPORT PLAZA, OPP. OLD AIRPORT, BEGUMPET, HYDERABAD - 500 016 Andhra 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 :

The present invention relates a method of providing a portable plasticized wallet card with digitally embedded information. The portable plasticized card named One Card may include all the details of Banking Information, Driving License, Voter card, PAN Card, Aadhar Card, Credit Card, Debit Card, Shopping Membership Card, Petrol Card, Food Coupons, Gift Card, Telephone Connection, New Credit Card Application, Dish TV Connection, Gas Connection, Hospital Card, Health Card, Insurance Card, Medical Store Membership Card, Diagnostic Health Records, Educational and Professional Records. The One Card can be permits easily register or change the permissions of the card accessibility from User Control Panel and all of security privileges can be applied to a card. Further, the holder of the One Card can customize by way of mixing and matching of the merchant, products and services from different brands.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/08/2013

(21) Application No.966/KOL/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : APPARATUS FOR FLAVOUR DETECTION AND GRADATION OF TEA

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(51) International classification	:A23F3/06
(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)CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTINTG**

Address of Applicant :PLOT-E2/1, BLOCK-GP, SECTOR-V,  
SALT LAKE ELECTRONICS COMPLEX, BIDHAN NAGAR,  
KOLKATA-700 091, INDIA

**(72)Name of Inventor :**

- 1). GHOSH, ALOKESH**
  - 2). RAY, HENA**
  - 3). GHOSH, TARUN KANTI**
  - 4). DAS, AMRITASU**
  - 5). KANJILAL, RABINDRANATH**
  - 6). BHATTACHARYYA, NABARUN**
- 

**(57) Abstract :**

An apparatus (1) for gradation of tea based on aroma characteristics comprises of a top portion(1a), a middle portion(1b) and a bottom portion(1c).The top portion(1a) has a display unit(1.06) for displaying the results and a sample holder(1c) is located at the bottom portion of the apparatus(1). The middle portion(1b) of the apparatus is detachably attached to the top portion(1a) and holds the sample holder(1c) detachably at its bottom end. A data processing unit is located at the top portion(1a) and is operatively connected to a sniffing unit. The sniffing unit is adapted to capture aroma and to deliver it to a sensor unit which converts it into electrical signals. The data processing unit is equipped with means to acquire the signals from the sensor unit and has means for processing acquired data to generate Norm Aroma Index(NAI) of finished tea and tea at fermentation stage.

No. of Pages : 42 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.1019/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :28/04/2010

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD OF DETECTING AND LOCATING A LOSS OF CONNECTIVITY WITHIN A COMMUNICATION NETWORK

---

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0902069	<b>1)THALES</b>
(32) Priority Date	:28/04/2009	Address of Applicant :45, RUE DE VILLIERS, 92200
(33) Name of priority country	:France	NEUILLY SUR SEINE, FRANCE
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)PATRICK DILLON</b>
(87) International Publication No	:NA	<b>2)SANTO SUY</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 :

Method of detecting a fault within a redundant communication network wherein it comprises the following steps: o a step of transmitting a first stream of monitoring frames from its main interface PA destined for its standby interface PB o a step of transmitting a second stream of monitoring frames from its standby interface PB destined for its main interface PA o a decision step.

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2010

(21) Application No.1089/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : MULTIPLE-MEMBRANE FLEXIBLE WALL SYSTEM FOR TEMPERATURE-COMPENSATED TECHNOLOGY FILTERS AND MULTIPLEXERS

(51) International classification	:H01P
(31) Priority Document No	:09 02369
(32) Priority Date	:15/05/2009
(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)TALES

Address of Applicant :45 RUE DE VILLIERS, 92200  
NEUILLY/SUR/SEINE, FRANCE

(72)Name of Inventor :

1)JOEL LAGORSSE

2)MICHEL BLANQUET

3)EMMANUEL HAYARD

(57) Abstract :

The present invention relates to a flexible cap system optimized for thermally-compensated technology microwave resonators. More specifically, this invention proposes a multiple-membrane flexible wall system (10, 11) for thermally-compensated filters and OMUX. The use of a multi-membrane flexible wall (10, 11), in particular as sealing cap for a resonant cavity of an OMUX channel, makes it possible: to reduce the thermal resistance of the flexible wall, while maintaining an equivalent level of mechanical stresses exerted on said wall for a given displacement, or to reduce the mechanical stresses exerted on the flexible wall for a given displacement, while maintaining one and the same thermal resistance for said wall, or to increase the deformation of the flexible wall by maintaining an equivalent level of mechanical stresses and by maintaining an equivalent thermal resistance.

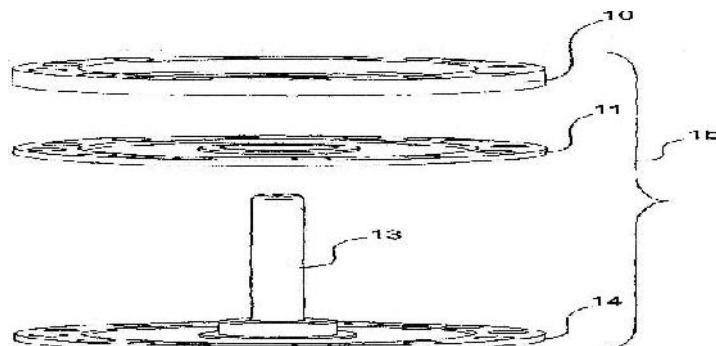


FIG.2a

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.1131/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING THE CALORIE CONTENT OF A FUEL

(51) International classification	:F02B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/476,502	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:02/06/2009	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)CODRON FABIEN THIBAULT</b>
Filing Date	:NA	<b>2)MARIANI MICHAEL JOHN</b>
(87) International Publication No	:NA	<b>3)LOEVEN II ROBERT JOSEPH</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 pertains generally to a system and method for providing fuel having a desired calorie content to a combustion engine over a range of operating levels. The system mixes a first fuel from a first fuel supply pipe with a second fuel from a second fuel supply pipe at a mixing point to create a mixed fuel having a first calorie content. A control valve is located in the second fuel supply pipe upstream of the mixing point. A process system downstream of the mixing point processes the mixed fuel to create a processed mixed fuel having a second calorie content. A first control signal is reflective of the first calorie content of the mixed fuel. A second control signal is reflective of the second calorie content of the processed mixed fuel. A third control signal is reflective of the operating level of the combustion engine. A controller connected to the control valve operates the control valve based on the first, second, and third control signals.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.1132/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SINGLE-STAGE POWER SUPPLY WITH POWER FACTOR CORRECTION AND CONSTANT CURRENT OUTPUT

(51) International classification	:H02M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/477,010	<b>1)POWER INTEGRATIONS, INC.</b>
(32) Priority Date	:02/06/2009	Address of Applicant :5245 HELLYER AVENUE, SAN JOSE, CA 95138 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ROLAND S. SAINT-PIERRE</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 example controller includes first, second and third inputs, a delayed ramp generator and a drive signal generator. The first, second and third inputs are coupled to receive an input voltage sense signal, an output voltage sense signal, and an input current sense signal, respectively. The drive signal generator is coupled to receive an input charge control signal generated by an input charge control signal generator and a delayed ramp signal generated by a delayed ramp generator. The input charge control signal is generated responsive to an integral of the input current sense signal multiplied by a ratio of the input voltage sense signal to the output voltage sense signal, where the drive signal generator produces a drive signal responsive to the input charge control signal and the delayed ramp signal, the drive signal to be coupled to control a switch of a power supply to regulate an output of the power supply.

No. of Pages : 39 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2010

(21) Application No.1020/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR SEALING AN ANNULUS

(51) International classification

:A44B

(31) Priority Document No

:12/464,579

(32) Priority Date

:12/05/2009

(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)DINU CONSTANTIN**

**2)STOREY JAMES MICHAEL**

**3)AVAGLIANO AARON JOHN**

**4)BYRD DOUGLAS S.**

**5)SHI SHAOPING**

**6)CORRY JUDETH BRANNON**

**7)HUYKE ALLYSON JOY JIMENEZ**

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(57) Abstract :

A purged seal system for an annular space (212) that includes an inner surface (210) of a radially outer vessel, an outer surface (208) of a radially inner vessel, and a seal passage therebetween, the annular space is divided into an upper annular space (214) and a lower annular space (216) by the purged seal is provided. The system includes a first baffle element (218) that extends from the inner surface into the seal passage at an oblique angle with respect to the inner surface, a second baffle element (222) that extends from the outer surface above the first baffle element in a direction opposite gravity flow into the seal passage, the second baffle element extends at an oblique angle with respect to the outer surface, and a third baffle element (228) that extends from the inner surface above the first baffle element in a direction opposite gravity flow into the seal passage, the third baffle element extends at an oblique angle with respect to the inner surface, a distal end of the third baffle element is positioned proximate a distal end of the second baffle element.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.109/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HIGH DIFFERENTIAL PRESSURE CATHODE FEED PEM WATER ELECTROLYZER

(51) International classification	:C25B 1/04
(31) Priority Document No	:12/727,638
(32) Priority Date	:19/03/2010
(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)HAMILTON SUNDSTRAND CORPORATION**

Address of Applicant :ONE HAMILTON ROAD, WINDSOR  
LOCKS, CT 06096 U.S.A.

(72)**Name of Inventor :**

**1)CIPOLLINI NED E.**

**2)ROY ROBERT J.**

**3)ELDRIDGE CHRISTOPHER**

(57) Abstract :

An electrolysis cell includes an anode, a cathode and a high-differential-pressure water electrolysis bilayer membrane disposed between the anode and the cathode. The high-differential-pressure bilayer membrane includes a platinum-impregnated ion-exchange membrane layer and an untreated ion-exchange membrane layer. The untreated ion-exchange membrane layer is disposed between the anode and the platinum-impregnated ion-exchange membrane layer.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2010

(21) Application No.1090/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : STORAGE CONTAINER AND USE OF THE STORAGE CONTAINER

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(51) International classification	:B65D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009	<b>1)KIST-EUROPE FORSCHUNGSGESELLSCHAFT MBH</b>
	021 501.8	Address of Applicant :STUHLSATZENHAUSWEG 97, CAMPUS E7.1, D-66123 SAARBRUCKEN, GERMANY
(32) Priority Date	:15/05/2009	<b>2)F. HOLZER GMBH</b>
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)HYECK-HEE LEE</b>
Filing Date	:NA	<b>2)UTE STEINFELD</b>
(87) International Publication No	:NA	<b>3)JUNGTAE KIM</b>
(61) Patent of Addition to Application Number	:NA	<b>4)HOLGER KRAUSE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The present invention relates to a storage container for liquids or for viscous or atomisable products, which can be connected to a metering device, the storage container having a cylindrical configuration and a base with a pressure equalisation device and also an oppositely situated open side, the open side including a connection region, and in that an inner bag which is collapsible by suction force is disposed in the storage container.

No. of Pages : 32 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2010

(21) Application No.1091/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : FIRE RETARDANT ELSTIC FOAM MATERIAL

(51) International classification	:C08L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09 007 437.8	<b>1)ARMACELL ENTERPRISE GMBH</b>
(32) Priority Date	:04/06/2009	Address of Applicant :ROBERT-BOSCH-STR. 10, 48153
(33) Name of priority country	:EUROPEAN UNION	MUNSTER, FEDERAL REPUBLIC OF GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)HERIBERT QUANTE</b>
(87) International Publication No	:NA	<b>2)JURGEN WEIDINGER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)CHRISTOPH ZAUNER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an expandable and crosslinkable elastomeric material with improved fire retardant properties and low smoke generation, the manufacturing and use of the material. The material consists of polychloroprene as a main polymeric ingredient and chloroparaffin and which is expanded to a final density of less than 200 kg/m<sup>3</sup>.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.1133/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : HIGH-VOLTAGE POWER GENERATION SYSTEM AND PACKAGE

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(51) International classification	:H02M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/474,569	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:29/05/2009	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)LUO JING</b>
Filing Date	:NA	<b>2)MAO SAIJUN</b>
(87) International Publication No	:NA	<b>3)LIU YUNFENG</b>
(61) Patent of Addition to Application Number	:NA	<b>4)PERRILLAT-AMEDE DENIS</b>
Filing Date	:NA	<b>5)ERNEST PHILIPPE</b>
(62) Divisional to Application Number	:NA	<b>6)YUAN XIAOMING</b>
Filing Date	:NA	

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(57) Abstract :

A power generation system (10, 56) comprises a power source (12), a transformer module (14, 58) for converting a low voltage from the power source into a higher voltage, and a voltage-multiplier module (16, 60) for amplifying higher voltage from the transformer module. The transformer module comprises a number N of transformer units (15, 62). Each transformer unit comprises at least one transformer (28), and each transformer comprises a magnetic core (30), a primary winding (32), and a secondary winding (34). Primary windings of the transformers in the transformer module are electrically coupled in parallel to the power source, secondary windings of the transformers of each transformer unit comprise a pair of output terminal, and N is equal to or greater than two. The voltage-multiplier module comprises the number N of multipliers (40). Each multiplier module comprises a positive and a negative input terminal (50, 52), and a positive and a negative output terminal (53, 55). Positive and negative terminals of each multiplier are electrically coupled to the positive and negative output terminals of a corresponding transformer unit, and positive and negative output terminals of the multipliers are connected in series.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.1067/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF FLEXIBLE POLYURETHANE FOAMS WITH LOW EMISSION

(51) International classification	:C08G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 022 817.9	<b>1)BAYER MATERIALSCIENCE AG</b> Address of Applicant :51368 LEVERKUSEN, GERMANY
(32) Priority Date	:27/05/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)MATTHAUS GOSSNER</b>
(86) International Application No	:NA	<b>2)PETER HAAS</b>
Filing Date	:NA	<b>3)SVEN MEYER-AHRENS</b>
(87) International Publication No	:NA	<b>4)BERT KLESCZEWSKI</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 provides a process for the production of polyurethane foams from A1 compounds which contain hydrogen atoms which are reactive towards isocyanates and have a molecular weight of 400 - 15,000, A2 optionally compounds which contain hydrogen atoms which are reactive towards isocyanates and have a molecular weight of 62 - 399, A3 water and/or physical blowing agents, A4 optionally auxiliary substances and additives, such as a) catalysts which differ from component A5, b) surface-active additives, c) pigments or flameproofing agents, A5 at least one tin(II) salt of carboxylic acids, the carboxylic acid having from 10 to 16 carbon atoms, and B di- or polyisocyanates, wherein the resulting polyurethane foams have low emission values and a good resistance to ageing.

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/05/2010

(21) Application No.1109/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : OPERATING A WIND TURBINE AT MOTOR OVER-TEMPERATURE CONDITIONS

(51) International classification

:F03D

(31) Priority Document No

:12/473,714

(32) Priority Date

:28/05/2009

(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 :

Methods and apparatus for continuing operation of a wind turbine 100 when normal control for a wind turbine motor control motor 610 is unavailable due to overheating of one or more wind turbine control motors. Technical effects of the present invention include providing an effective control strategy continuing operation during over-heating of a wind turbine control motor 610, such as a pitch control motor 114 and a yaw control motor 124.

No. of Pages : 24 No. of Claims : 11

(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)ZANG XIAOYUN**

**2)WANG DONG**

**3)GAO MENG**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2010

(21) Application No.1150/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ADJUSTABLE PANEL FOR SHUTTERING CURVED WALLS

(51) International classification

:E04G

(31) Priority Document No

:200930463

(32) Priority Date

:15/07/2009

(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) Abstract :

The panel is of the type which comprises a laminar shuttering plate which can be curved to determine the surface of the shuttering, this laminar plate being associated on one of its sides with a plurality of vertically arranged beams of substantially open trapezoidal box structure and characterised by the arrangement of shafts operating and synchronising adjustment of the curvature of the laminar shuttering element between each of two panel beams and parallel thereto, each pair of adjacent shafts being associated with a single operating mechanism associated with the intermediate beam between the said shafts, a mechanism which can cause the two shafts adjacent thereto to rotate, the said operating and synchronisation shafts being joined by means of connecting rods articulated to the corresponding adjacent beams to change their relative position and thereby the curvature of the panel.

No. of Pages : 37 No. of Claims : 16

(71)Name of Applicant :

**1)SISTEMAS TECNICOS DE ENCOFRADOS, S.A.**

Address of Applicant :POL, IND. SECTOR MOLLET, C/  
LLOBREGAT, 8, 08150 PARETS DEL VALLES

(BARCELONA) SPAIN.

(72)Name of Inventor :

**1)UBINANA FELIX JOSE LUIS**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2010

(21) Application No.1151/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CONTROL FOR IMPROVED THERMAL PERFORMANCE OF A STEAM TURBINE AT PARTIAL LOAD

(51) International classification	:F01K
(31) Priority Document No	:12/475,917
(32) Priority Date	:01/06/2009
(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)HOLT JOEL DONNELL**

**2)DI PALMA, STEVEN**

**3)SATHYANARAYANA DILEEP**

---

(57) Abstract :

A method controls at least a portion of a combined cycle power plant (10) having at least one gas turbine (12), at least one heat recovery steam generator (24), and at least one steam turbine (64). The method includes developing an actual operating curve (202, 302) of a steam characteristic of the at least one heat recovery steam generator (24) versus an amount of steam provided to the at least one steam generator from the at least one heat recovery steam generator (24). The method also includes determining the steam characteristic of the at least one heat recovery steam generator (24) at a point in time during operation of the combined cycle power plant (10). The method further includes providing an amount of the steam from the at least one heat recovery steam generator (24) to the at least one steam turbine (64) depending upon the determined steam characteristic of the at least one heat recovery steam generator (24) at the point in time.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/04/2010

(21) Application No.1034/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HOUSEHOLD WATER FILTER

(51) International classification	:B01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009 133	<b>1) DWT DEUTSCHE WASSERTECHNOLOGIEN GMBH</b>
	695	Address of Applicant :FALKENSTEINER STRASSE 77,
(32) Priority Date	:09/09/2009	60322 FRANKFURT, GERMANY
(33) Name of priority country	:Russia	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1) VLADIMIR MIKHAILOVICH KULIKOV</b>
Filing Date	:NA	<b>2) VLADIMIR ALEKSEEVICH ZAKHAROV</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 utility model refers to apparatuses for water purification and can be used in drinking water supply systems and individual filters. The utility model allows to increase the quality of the water purification by means of a helical arrangement of a bulk granular filtering means and an increase of the number of passages in which the water is purified. The household filter comprises a housing with distribution grids at the water inlet and outlet, two and more helical partitions having the form of a flat band or rod twisted around the longitudinal axis and having three or more beam profiles, and can additionally comprise one or more flat partitions dividing the water inlet and outlet.

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.111/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SURGICAL RETRIEVAL APPARATUS

(51) International classification	:A61M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/301,126	<b>1)TYCO HEALTHCARE GROUP LP</b>
(32) Priority Date	:03/02/2010	Address of Applicant :60 MIDDLETON AVENUE, NORTH HAVEN, CT 06473, 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)COLLIER, NICHOLAS JOHN</b>
Filing Date	:NA	<b>2)FLEMING, ALISTAIR IAN</b>
(87) International Publication No	:NA	<b>3)SCOTT, NATALIE</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical retrieval apparatus includes an elongate flexible tubular member having a distal opening and a lumen and a support member having a chamber formed therein in fluid communication with the tubular member and movable from a first position to a second expanded position in response to introduction of fluid into the chamber. A retrieval bag extends from the support member and has a first end and a closed second end. The first end of the retrieval bag is movable to an open configuration when the expandable member transitions from the first position to the second expanded position.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/05/2010

(21) Application No.1110/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR INPUT CHARGE CONTROL OF A POWER SUPPLY

---

(51) International classification

:H02M

(31) Priority Document No

:12/477,058

(32) Priority Date

:02/06/2009

(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 :

An example controller includes a constant current control circuit and an integrator included in the constant current control circuit. The constant current control circuit is to be coupled to receive an input current sense signal, an input voltage sense signal, and an output voltage sense signal. The control circuit is adapted to regulate an output current of a power supply by generating a control signal to control switching of a switch. The integrator is coupled to integrate the input current sense signal during a switching period of the control signal to generate an integrated signal representative of a charge taken from an input voltage source of the power supply. The constant current control circuit is adapted to control the switching of the switch such that the integrated signal is proportional to a ratio of the output voltage sense signal to the input voltage sense signal.

No. of Pages : 57 No. of Claims : 26

(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 KUNG**

**2)WILLIAM M. POLIVKA**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2010

(21) Application No.1158/DEL/2010 A

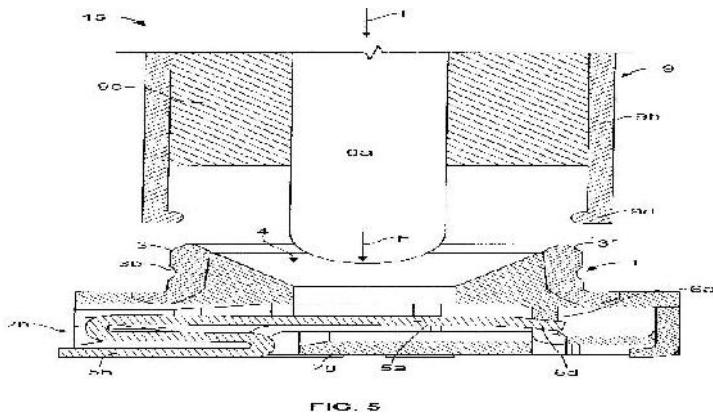
(43) Publication Date : 20/09/2013

(54) Title of the invention : MINIATURE SWITCH CONNECTOR

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:EP 09007203.4	1)TYCO ELECTRONICS NEDERLAND BV Address of Applicant :RIETVELDENWEG 32, NL-5222 AR'S-HERTOGENBOSCH, THE NETHERLANDS
(32) Priority Date	:29/05/2009	(72)Name of Inventor :
(33) Name of priority country	:EUROPEAN UNION	1)TUIN, JACOBUS NICOLAAS 2)HAANS, JUERGEN 3)DITTNER, JEROEN 4)BROEKSTEEG, JAN 5)HALBERSTADT, DENNIS 6)BRAEM, YVES 7)DUQUERROY, PATRICK MARCEL 8)DECROCK, LIEVEN
(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 Switch connector (1) for mounting on a printed circuit board, adapted to receive a mating connector (9) in an insertion direction (I) along an insertion axis (C). The switch connector (1) comprises a shield (3), a contact element (6), and a contact spring (5) having at least one fixed leg (5b), at least one elastically deflectable switching leg (5a), and at least one spring bend (5c), the fixed leg (5b) and the switching leg (5a) extending from the spring bend (5c) in a common direction and passing the insertion axis (C). The switching leg (5a) is adapted to be moved by insertion of the mating connector (9) from a rest position, at which the switching leg (5a) exerts a spring force (K) onto the contact element (6), to a switching position, at which the switching leg (5a) is spaced apart from the contact element (6), at least one spring force flux (8) that in the rest position is generated by the switching leg (5a) and guided in a closed loop to the fixed leg (5b). To increase the reliability of the switching function, the shield (3) is arranged in the closed loop of the spring force flux (8)



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2010

(21) Application No.1011/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DOUBLE-SPINDLE OPPOSITELY ARRANGED COMPOSITE LATHE

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(51) International classification	:B23B
(31) Priority Document No	:JP2009-108060
(32) Priority Date	:24/04/2009
(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)NAKAMURA-TOME PRECISION INDUSTRY CO. LTD.**

Address of Applicant :RO-15 NETSUNO-MACHI,  
HAKUSAN-SHI, ISHIKAWA, JAPAN

(72)Name of Inventor :

**1)KOSAKU SUZUKI  
2)TAKASHI MIYAMOTO**

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(57) Abstract :

This invention relates to a double-spindle oppositely arranged composite lathe having tool carriers above and under a spindle axis, wherein the structure of the lathe body is simplified, chips and cutting fluids falling from the machining position are excellently discharged, and the tool carrier, the lower portion of the spindle case as well as their guiding structures are made compact under the spindle axis.. The lathe body has an upper surface in the horizontal direction and a front surface in the vertical direction. The spindle case secured on the lathe body is secured on the front surface in the vertical direction of the lathe body, and the moveable spindle case and the left right moving stand for the lower tool carrier can be guided to move by a left right guiding member secured on the front surface in the vertical direction of the lathe body. An up down guiding member that guides the lower tool carrier in the up-and-down direction is secured on the front surface of the lower Z-axis moving stand in the vertical direction. The spindle case secured on the lathe body is secured on the front surface of the lathe body at the lower end of its backside and at the middle position of the height of the backside. A space is formed between the backside of the lower portion of the spindle case and the front surface of the lathe body, and the left right guiding member and the feed screw are through the space.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2010

(21) Application No.1012/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPOSITE LATHE AND WORKPIECE MACHINING METHOD

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:JP2009-108060	<b>1)NAKAMURA-TOME PRECISION INDUSTRY CO. LTD.</b>
(32) Priority Date	:27/04/2009	Address of Applicant :RO-15 NETSUNO-MACHI, HAKUSAN-SHI, ISHIKAWA, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)CHIAKI MIYAMORI</b> <b>2)TAKUYA ISHIDA</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 :

This invention provides a composite lathe and a workpiece machining method. The composite lathe has the functions of both a lathe and a machining center, is capable of performing turning machining and large plane machining as well as heavy machining by the use of large-scale rotating tools, and is easy to proceed with the machining process including tool replacement process with regard to two workpieces. The composite lathe is provided with a tool shaft (5), whose movement position is controlled by three mutually orthogonal axial directions, and the tool shaft (5) is capable of rotating around an axis (Y-axis) in the forward-and-backward direction relative to the operator, and rotating around an axis parallel to a surface orthogonal to the Y-axis, a workpiece holding portion provided with the same structure as that of a prior art double-spindle oppositely arranged lathe, at least one turret tool carrier (41) is disposed under the spindle axis, and tool magazines (7L, 7R) and tool replacing means (72L, 72R) are disposed at positions substantially above the two spindles (2, 3) at both sides of the tool shaft (5).

No. of Pages : 32 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.112/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SURGICAL RETRIEVAL APPARATUS

(51) International classification	:A61M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/301,085	<b>1)TYCO HEALTHCARE GROUP LP</b>
(32) Priority Date	:03/02/2010	Address of Applicant :60 MIDDLETON AVENUE, NORTH HAVEN, CT 06473, 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)COLLIER, NICHOLAS JOHN</b>
Filing Date	:NA	<b>2)FLEMING, ALISTAIR IAN</b>
(87) International Publication No	:NA	<b>3)SCOTT, NATALIE</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical retrieval apparatus includes an elongate tubular member having a drive rod slidably disposed therein. A support member is operably coupled to a distal end of the drive rod. A pouch is attached to the support member and has a closed end and an open end. The pouch is securely coupled to the support member.

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/01/2011

(21) Application No.117/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD, SYSTEM AND SENSOR FOR IDENTIFYING AN ELECTRICAL DEVICE CONNECTED TO A MAINS GRID

(51) International classification	:H02J
(31) Priority Document No	:10 000 715.2
(32) Priority Date	:25/01/2010
(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 :

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Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO 108-0075 JAPAN

(72)Name of Inventor :

1)THOMAS KEMP

2)CARSTEN MERKLE

3)ANDREAS SCHWAGER

4)DIETMAR SCHILL

5)LOTHAR STADELMEIER

6)BEN EITEL

(57) Abstract :

A method for identifying an electrical device connected to a mains grid is provided, the method comprising measuring at least one electrical characteristic on the mains grid with a sensor connected to a socket of the mains grid; comparing the at least one electrical characteristic with a plurality of stored candidate electrical characteristics each corresponding to one of a plurality of candidate electrical devices; and identifying the electrical device based on the stored candidate electrical characteristic that is closest to the at least one electrical characteristic. A corresponding system and a corresponding sensor are provided as well. (Fig. 1)

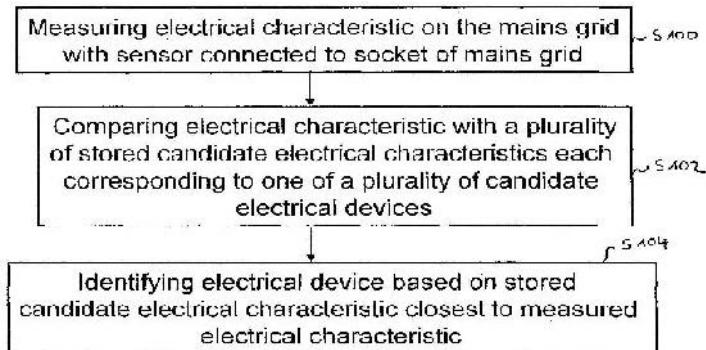


FIG 1

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/05/2010

(21) Application No.1055/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A MACHINE FOR CONTINUOUSLY BENDING AND ELONGATED WORKPIECE AT PREDETERMINED RADII

(51) International classification	:B21D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:RM 2009	<b>1)CML INTERNATIONAL S.p.A.</b>
	A 000215	Address of Applicant :LOC. ANNUNZIATA I-03030
(32) Priority Date	:06/05/2009	PIEDIMONTE SAN GERMANO, Italy
(33) Name of priority country	:Italy	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ALESSANDRO CAPORUSSO</b>
Filing Date	:NA	<b>2)EUGENIO SCHIARANTE</b>
(87) International Publication No	:NA	<b>3)GIUSEPPE ROSO</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SILVIO REA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A machine for continuously bending an elongated workpiece at predetermined radii, machine that uses a series of driving rollers (1, 2, 3) for bending, comprises a 2D laser displacement sensor (5) downstream said series of driving rollers (1, 2, 3) for bending and a computer (7) that is coupled among other to the 2D laser displacement sensor (5) for calculating a radius of a bend section and comparing the calculated radius of curvature with the desired radius of curvature. The computer (7) is coupled to a length meter (4) for measuring a length of the bend section concentrically to the elongated workpiece (T) and, further, to operating means (8) adapted to operate a roller (2) of the series of driving rollers (1, 2, 3) for bending in order to adjust it on the base of a difference between the measured radius of curvature and the desired radius of curvature.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/05/2010

(21) Application No.1056/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CATIONIC ELECTRODEPOSITION COATING COMPOSITION

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(51) International classification	:C08G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-125915	<b>1)KANSAI PAINT CO., LTD.</b> Address of Applicant :33-1, KANZAKI-CHO, AMAGASAKI-SHI, HYOGO 6618555, JAPAN
(32) Priority Date	:26/05/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SHIGEO NISHIGUCHI</b> <b>2)AKIHIKO SHIMASAKI</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 object of the present invention is to provide a coating composition that has excellent electrodeposition coating applicability onto hot dip galvanized steel sheets, and that provides a cationic electrodeposition coating film having a superior finish and excellent anti-corrosion properties. The present invention provides a cationic electrodeposition coating composition having: amino group-containing modified epoxy resin (A), phenolic hydroxy group-containing resin (B), and blocked polyisocyanate curing agent (C), the components (A), (B), and (C) being contained in amounts of 5 to 50 mass%, 20 to 75 mass%, and 10 to 40 mass%, respectively, based on the total solids mass of the components (A), (B), and (C).

No. of Pages : 51 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2010

(21) Application No.1193/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : LOAD IDENTIFICATION SYSTEM AND METHOD OF ASSEMBLING THE SAME

(51) International classification	:G01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/478,871	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:05/06/2009	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)SCHULTEN CHRISTOPH</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 load identification system for a wind turbine (100) including a rotor (108) is provided. The load identification system includes a control system (300), and at least one acceleration sensor (400,402,404,406) mountable on the rotor and communicatively coupled with the control system, the acceleration sensor configured to sense accelerations of the rotor in three dimensions and to transmit signals indicative of the sensed accelerations to the control system, the control system configured to receive the signals from the acceleration sensor and to identify a load on the wind turbine based on the received signals.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1252/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR CONSTRUCTING PORTABLE RAILS

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(51) International classification	:E01B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0055925	<b>1)RA IN HO CO., LTD</b> Address of Applicant :1655-5, TAEIN-DONG, GWANGYANG-SI, JEOLLANAM-DO 545-885, REPUBLIC OF KOREA
(32) Priority Date	:23/06/2009	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)RAINER SINNREICH</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 herein is a method and apparatus for constructing portable rails. The method includes the steps of (a) transporting and placing rails on the ground using a portable rail construction apparatus such that the rails come into contact with each other with respect to a longitudinal direction of the rails, (b) fastening the rails to each other using a fastening means, and (c) constructing a plurality of rails on the ground in such a way as to repeatedly conduct the steps (a) and (b). The apparatus includes a frame, a power pack and at least two rail lift units. Wheels are provided under the frame. The power pack is installed on the frame to generate drive force. The rail lift units are provided under the frame and arranged in the longitudinal direction. The two rail lift units lift the rail from the ground or place the rail onto the ground.

No. of Pages : 24 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2010

(21) Application No.1170/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OPTICAL FIBER

(51) International classification	:G02B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-121725	<b>1)SHIN-ETSU CHEMICAL CO., LTD.</b> Address of Applicant :6-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-0004, JAPAN
(32) Priority Date	:20/05/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HIROSHI OYAMADA</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 an optical fiber including: a first core at a center thereof; a second core adjacent to the first core to cover a circumference of the first core; a third core adjacent to the second core to cover a circumference of the second core; and a cladding adjacent to the third core to cover a circumference of the third core, where conditions of  $0.28\% \leq \Delta_1 \leq 0.4\%$ ,  $0.05\% \leq \Delta_2 \leq 0.05\%$ ,  $1.0\% \leq \Delta_3 \leq 0.5\%$ ,  $3.8 \text{ mm} \geq a \geq 4.5 \text{ mm}$ ,  $12 \text{ mm} \geq b \geq 21 \text{ mm}$ , and  $1.5 \text{ mm} \geq c - b \geq 10 \text{ mm}$  hold, and loss increase resulting when the optical fiber is wound on a mandrel having a diameter of 20 mm is 0.1 dB/turn or smaller at a wavelength of 1625 nm, where  $\Delta_1$  is a specific refractive index difference of the first core from the cladding refractive index,  $\Delta_2$  is a specific refractive index difference of the second core from the cladding refractive index,  $\Delta_3$  is a specific refractive index difference of the third core from the cladding refractive index,  $a$  is a radius of a boundary between the first core and the second core with respect to a center of the first core,  $b$  is a radius of a boundary between the second core and the third core with respect to the center of the first core, and  $c$  is a radius of a boundary between the third core and the cladding with respect to the center of the first core.

No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2010

(21) Application No.1171/DEL/2010 A

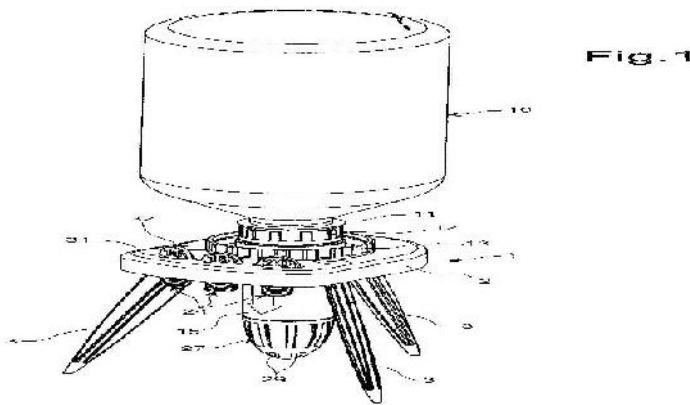
(43) Publication Date : 20/09/2013

(54) Title of the invention : DRIP IRRIGATOR FOR POTTED PLANTS

(51) International classification	:A01G	(71)Name of Applicant :
(31) Priority Document No	:MI 2009A	1)CLABER S.p.A.
	000932	Address of Applicant :VIA PONTEBBANA, 22, 33080
(32) Priority Date	:27/05/2009	FIUME VENETO (PORDENEONE), Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:NA	1)FRANCHINI, GAETANO
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 drip irrigator for potted plants comprises a support base (1) with at least three feet (3) insertable in the ground; a vertically extending body (15) extending downwards from said base (1) between said base at least three feet (3) and is provided with an irrigation water containing chamber (16) which is provided with an upper wall (21) crossed by a filling orifice (20) and with a lower water outlet opening (22). Means (9, 12, 13) for removably superimposing and fixing a water container (10) on said chamber (16) are provided. A float (17) is accommodated in said chamber and provided at the top with a shutter pin (19) engageable with said orifice (20) and disengageable therefrom according to the level of water in said chamber (16). A dripping device (24) is removably inserted into said opening (22) to allow the water to drip one drop at a time, and a substantially ogive-shaped delivery plug (27) is removably fixed at the lower end (26) of said vertically extending body (15). The delivery body (17) is provided with a terminal trap (28) for collecting the water falling from the dripping device (24) and with small lateral holes (29) for transferring the water collected in said trap (28). (Fig. 1)



No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1254/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEMS FOR OPERATING A WIND TURBINE POWER CONVERTER

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/483,442	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:12/06/2009	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)WAGONER ROBERT GREGORY</b>
Filing Date	:NA	<b>2)KLODOWSKI ANTHONY</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 power generation system (200) for providing an output power to a load is provided. The power generation system (200) includes a generator (120) configured to generate an alternating current (AC) input power, a power converter system (202) coupled to the generator, the power converter system including a plurality of converter threads (224,226,228,230) configured to convert the AC input power to an output power and to provide the output power to the load, and a converter control system (204) coupled to the power converter system, the converter control system configured to provide the power converter system with one of a first switching pattern and a second switching pattern based at least partially on a monitored operating characteristic of the generator.

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.1076/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ELECTRONIC BALLAST WITH STEP UP/DOWN POWER FACTOR CORECTION DC-DC CONVERTER SUITABLE FOR HIGH INPUT VOLTAGE APPLICATIONS

(51) International classification	:H05B
(31) Priority Document No	:200910159523.X
(32) Priority Date	:13/05/2009
(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)GENERAL ELECTRIC COMPANY**

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

(72)**Name of Inventor :**

**1)YAO GANG**

**2)XIE XUEFEI**

(57) Abstract :

Electronic ballasts and buck-boost DC-DC converters therefore are presented with a buck converter (210) with two switching devices connected with two capacitances (C1, C2) and two diodes (D1, D2) to limit the individual switching device voltages to around half the converter DC input voltage or less.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2010

(21) Application No.1168/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : AUTOWIPER CONTROLLER

(51) International classification	:B60Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-122460	<b>1)NILES CO., LTD</b> Address of Applicant :28-6, OMORINISHI 5-CHOME, OTA-KU, TOKYO 143-8521, JAPAN
(32) Priority Date	:20/05/2009	<b>2)SUZUKI MOTOR CORPORATION</b>
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)OISHI, TATSUO</b>
Filing Date	:NA	<b>2)OHATA, TOMOYUKI</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 :

First and second temperature check portions 7 and 8 determine whether an ambient temperature T1 is lower than 20°C or not, whether an external surface temperature T2 of a windshield S is lower than 25°C or not and whether a. temperature difference (T2 - T1) is lower than 20°C or not, and a weather condition check portion 9 determines whether a condition that condensation occurs over the windshield S is met or not based on results of the checks. A wiper control portion 10 controls a driving operation of a wiper W based on a rainfall state checked by a low sensitivity rainfall check portion 5 when the condition that the condensation occurs is met, and controls the driving operation of the wiper W based on a rainfall state checked by a high sensitivity rainfall check portion 4 when a condition that the condensation does not occur is met.

No. of Pages : 33 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2010

(21) Application No.1228/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : THERMALLY INSULATING TRANSPORT CONTAINER

(51) International classification

:B65D

(31) Priority Document No

:0909249.5

(32) Priority Date

:29/05/2009

(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)SOFTBOX SYSTEMS LIMITED**

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BUCKINGHAM, HP 18 9BF, UNITED KINGDOM

(72)Name of Inventor :

**1)TATTAM, EDWIN FRANCIS**

**2)JONES, RICHARD WILLIAM**

(57) Abstract :

The present invention relates to a transport container which provides mechanical and thermal stability for a load and which container is fabricated as the container is loaded. In particular, the present invention relates to a container which can be readily transported on aircraft, such as an aircraft container. In the field of logistics, that is the field of movement and supply of produce and materials, in particular in the transport of intermediate and finished products, containers have been developed which safely protect from physical damage a wide variety of product. Food and pharmaceutical products not only need protection from physical shock and pressures but also require temperature stability during transportation; otherwise goods can be damaged and be unusable, whether such damage is apparent or not. However, air transport poses a particular problem: Goods can be transported in tropical heat, packaged and placed upon pallets and the like containers whereby they are presented in aircraft style containers. Such goods may be left on runways at extreme temperatures (+40° C) and then placed within a hold where low pressures and low temperatures exist during flight. At a destination airport the temperatures may well be sub-zero. To simplify transport with respect to airports, planes and handling equipment, there have been developed aircraft Unit Load Devices (ULDs) which comprise any type of pallet or container that can easily be loaded to the aircraft by a ground handler. The present invention seeks to provide a transport container which can maintain goods within a narrow temperature range, can displace a considerably reduced volume before erection, is economical to manufacture, can readily and easily be constructed. The present invention further seeks to provide a transport container which is compatible with standard Unit Load Device specifications.



Fig. 3a

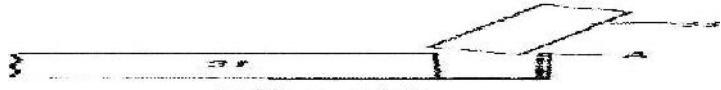


Fig. 3b

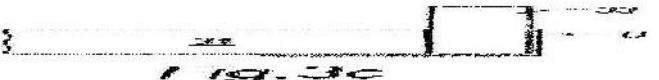


Fig. 3c

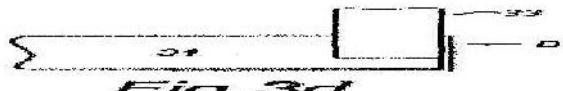


Fig. 3d

No. of Pages : 34 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1293/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :02/06/2010

(43) Publication Date : 20/09/2013

(54) Title of the invention : ANNEALING OF COLD ROLLED METAL STRIP

(51) International classification	:F27B
(31) Priority Document No	:09008509-
	9
(32) Priority Date	:23/06/2009
(33) Name of priority country	:Sweden
(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)LINDE AG

Address of Applicant :KLOSTERHOFSTRASSE 1, DE-80331 MUNICH, GERMANY

(72)Name of Inventor :

1)GRIPENBERG, HENRIK

2)RANGMARK, LENNART

3)RITZEN, OLA

4)LODIN, JOHANNES

5)WIBERG, SOREN

(57) Abstract :

The invention is characterised in that a cold rolled strip (3) of aluminium is continuously transported along a transport path where a ramp of Direct Flame Impingement (DFI) burners (1) are located, for heating the strip, in that said ramp (1) is located perpendicular, or substantially perpendicular, to the direction of movement of the strip (3), in that the DFI burners (1) are mutually located such that the whole width of the strip (3) is heated to the same, or substantially the same, temperature, in that the velocity of the strip (3) passing the said ramp and the heating power of said burners (1) are adapted to heat treat the strip (3) such that annealing of the strip is carried out and in that the heat treated strip is wound to a coil (5).

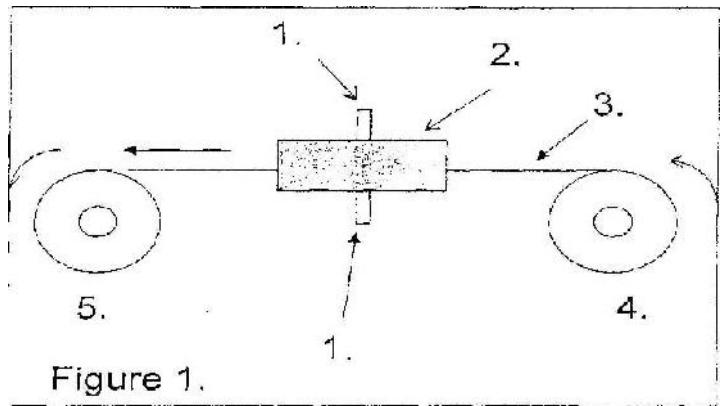


Figure 1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2010

(21) Application No.1018/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A PRESS AND A METHOD FOR MOUNTING A PRESS

(51) International classification

:B21D

(31) Priority Document No

:RE2009A000052

(32) Priority Date

:27/05/2009

(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)SACMI COOPERATIVA MECCANICI IMOLA  
SOCIETA' COOPERATIVA**

Address of Applicant :17/A, VIA SELICE PROVINCIALE, I-40026 IMOLA BOLOGNA, ITALY.

(72)Name of Inventor :

**1)MR. COVA**

(57) Abstract :

A press provided with a structure comprising a table (2), an upper crossbar (4), and at least two interposed lateral spacers (3) which define, together with the table (2) and the upper crossbar (4) a passage (100) having a longitudinal axis (A); the press structure comprising a stage of predisposed the table (2) and the upper crossbar (4) at a predetermined reciprocal initial distance defined by the spacers (3) or by other suitable means, and being characterised in that it comprises further stages of: realising at least a resistance ring (30); coupling the resistance ring (30) to the press structure such that it envelops at least a portion of the table (2) and at least a portion of the upper crossbar (4); reciprocally distancing the table (2) and the upper crossbar (4) in contrast with the resistance ring (30), such that the resistance ring (30) is subjected to traction, and interposing at least a further spacer between the table (2) and the upper crossbar (4) in order to impose therebetween a reciprocal distance which is greater than the initial reciprocal distance, such as to maintain the resistance ring (30) in traction.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.113/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR COMBUSTION OF A LOW-GRADE FUEL

(51) International classification

:F23C

(31) Priority Document No

:1050114-6

(32) Priority Date

:05/02/2010

(33) Name of priority country

:Sweden

(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)LINDE AG**

Address of Applicant :KLOSTERHOFSTRASSE 1, DE -  
80331 MUNCHEN, GERMANY

(72)Name of Inventor :

**1)EKMAN, TOMAS**

**2)LUGNET, ANDERS**

**3)RITZEN, OLA**

(57) Abstract :

Method for combustion of a fuel using an existing air burner (1), which air burner (1) comprises a first supply opening (5) for fuel and a second supply opening (7) for air, which supply openings (5,7) open out into a combustion zone (3). The invention is characterised in that a gaseous fuel with an LHV (Lower Heating Value) of less than 7,5 MJ/Nm<sup>3</sup> is supplied through the second supply opening (7), in that an oxidant comprising at least 85 percentages by weight oxygen is also supplied to the combustion zone (3) through a supply device for oxidant, and in that the gaseous fuel is caused to be combusted with the oxidant in the combustion zone (3).

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1304/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SEMICONDUCTOR DEVICE

(51) International classification	:H01L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-135754	<b>1)UNISANTIS ELECTRONICS (JAPAN) LTD.</b> Address of Applicant :2ND FLOOR, FUJI-LIGHT
(32) Priority Date	:05/06/2009	SHINKAWA BUILDING, 22-11, SHINKAWA 1-CHOME,
(33) Name of priority country	:Japan	CHUO-KU, TOKYO 104-0033 JAPAN
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)MASUOKA FUJIO</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>2)NAKAMURA HIROKI</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The object to provide a highly-integrated SGT-based SRAM is achieved by forming an SRAM using an inverter which comprises a first island-shaped semiconductor layer, a first gate dielectric film in contact with a periphery of the first island-shaped semiconductor layer, a first gate electrode having one surface in contact with the first gate dielectric film, a second gate dielectric film in contact with another surface of the first gate electrode, a first arc-shaped semiconductor layer in contact with the second gate dielectric film, a first first-conductive-type high-concentration semiconductor layer arranged on a top of the first island-shaped semiconductor layer, a second first-conductive-type high-concentration semiconductor layer arranged underneath the first island-shaped semiconductor layer, a first second-conductive-type high-concentration semiconductor layer arranged on a top of the first arc-shaped semiconductor layer, and a second second-conductive-type high-concentration semiconductor layer arranged underneath the first arc-shaped semiconductor layer.

No. of Pages : 132 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1305/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTROL DEVICE FOR TRAVERSE APPARATUS

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(51) International classification	:D01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-172938	<b>1)TMT MACHINERY, INC</b> Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-6-26, KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN
(32) Priority Date	:24/07/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HASEGAWA MASAKATSU</b>
(86) International Application No	:NA	<b>2)BANDO SHIRO</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 present invention provides a technique for maintaining an actual turn-around point constant in the axial direction of a package. A traverse apparatus according to the present invention includes an entry pattern generation section 72 configured to supply an entry pattern Ps for time-speed control, a time supply section 74 configured to supply time (t), an entry target speed calculation section 73 configured to calculate a target traveling speed Vtl of a yarn guide 33 based on the entry pattern Ps supplied by the entry pattern generation section 72 and the time (t) supplied by the time supply section 74, and an entry driving control means for controlling operation of a yarn guide driving means based on the target traveling speed Vtl calculated by the entry target speed calculation section 73. For an immediately-before-arrival period (between time t (b) and time t (c, d) ) included in the entry pattern Ps and corresponding to a period immediately before the time (t) when the yarn guide 33 is expected to arrive at a target turn-around point B, the target traveling speed Vtl of the yarn guide 33 is set to be constant.

No. of Pages : 49 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2010

(21) Application No.1013/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AIR-CONDITIONING FILTER

(51) International classification	:B60H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-110102	<b>1)SHINWA CORPORATION</b> Address of Applicant :3-16-6, NISHI-SHINJUKU, SHINJUKU-KU, TOKYO 160-8343, JAPAN
(32) Priority Date	:28/04/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)WATANABE, HIROMOTO</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 :

In the case of arranging an air-conditioning filter having high collection efficiency against particles in an air-conditioning system, a filter with low collection efficiency is arranged in front to prevent clogging, or a filter which is obtained by closely combining two filters with different collection efficiencies is used to have a filter material in the front function as a filter with low collection efficiency. However, as a result, this caused increase in cost, therefore, was insufficient. Therefore, an optimum double structured air-conditioning filter was desired. The present invention attempts to provide an air-conditioning filter which fulfills such expectation. The object of the present invention is to provide an air-conditioning filter which is obtained by combining two sheet filter materials having different collecting rates from among sheet filter materials with functions of a prefilter, a mid to high performance filter, a semi-HIPPA filter, an HEPA filter, or a ULPA filter, in accordance with powder dust density of a suction environment which is determined according to changes in atmospheric dust and in ambient environment.

No. of Pages : 28 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.1176/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : TOXIN DETECTION SYSTEM AND METHOD

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(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/507,589	<b>1)HONEYWELL INTERNATIONAL INC.,</b>
(32) Priority Date	:22/07/2009	Address of Applicant :101 COLUMBIA ROAD, P.O. BOX
(33) Name of priority country	:U.S.A.	2245, MORRISTOWN, NEW JERSEY 07962-2245, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JOEL BOCK</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 system and method of generating a generic binary classifier (106) for the presence of one or more toxins in water is provided. Features are extracted from a plurality of normalized a priori data sets (204) that include one or more control data sets that are representative of an electric cell-substrate impedance sensor (ECIS) response to water with no toxins therein, and a plurality of treatment data sets that are representative of an ECIS response to water with a toxin therein. A plurality of classifier algorithms (206) are trained using the extracted features, and a plurality of classification models (208) are generated from each of the trained classifier algorithms (206). Each of the classification models (208) is evaluated and, based on the evaluation of each classification model (208), a subset thereof is selected. The selected subset of the classification models (212) is supplied as the generic binary classifier (106).

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2010

(21) Application No.1233/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WIRELESS LAN DEVICE

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-130254	<b>1)BUFFALO INC.</b>
(32) Priority Date	:29/05/2009	Address of Applicant :15, SHIBATA HONDORI 4-CHOME, MINAMI-KU, NAGOYA-SHI, AICHI-KEN 457-8520, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)NOBUHIRO TAMURA</b> <b>2)TETSUYA INADA</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 wireless LAN device 10 includes a packet transmission controller 102 having the function of transmitting a DHCPDISCOVER packet from a LAN switch 130 to wired devices and the function of causing an RF device to transmit a Probe Request packet to other wireless LAN devices through an antenna 150; a first operation controller 104 that can set the wireless LAN device 10 in the operating mode where the wireless LAN device 10 can operate as an access point, when the wireless LAN device 10 receives DCHPOFFER packet; and a second operation controller 106 that can set the wireless LAN device 10 in the operating mode where the wireless LAN device 10 can operate as a client, when the wireless LAN device 10 receives a Probe Response packet.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2010

(21) Application No.1358/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD OF CONTROLLING A BRAKING SYSTEM

(51) International classification	:B60T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:FR 0902907	<b>1)ROBERT BOSCH GMBH</b> Address of Applicant :WERNERTRASSE 1, 70442-STUTTGART, GERMANY
(32) Priority Date	:15/06/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:France	<b>1)CHRISTOPHE BOUCHARD</b>
(86) International Application No	:NA	<b>2)ERIC BISSEIER</b>
Filing Date	:NA	<b>3)LAURENT WAGON</b>
(87) International Publication No	:NA	<b>4)LAURENT CLERCIN</b>
(61) Patent of Addition to Application Number	:NA	<b>5)PASCAL TREFERT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of controlling a braking system of a vehicle, aimed at preventing the rear axle of the vehicle from lifting under braking. More particularly, the invention relates to a method for controlling a braking system (19) in a vehicle (1), the vehicle comprising at least one front wheel (5) and at least one rear wheel (3), characterized in that it comprises the following steps: - determining whether there exists at least one condition under which the rear wheel (3) will lift, and - if it does exist, limiting and/or reducing the braking effort applied to the front wheel (5) by the vehicle braking system.

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2010

(21) Application No.1017/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FLOOR BOX INCLUDING CONNECTOR MODULES DESTINED FOR ADAPTING ELECTRICAL, VOICE AND DATA, AND MULTIMEDIA MECHANISMS OR OTHER TYPES OF INSTALLATIONS IN ITS INTERIOR

(51) International classification	:H02G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:200900810	<b>1)SIMON CONNECT, S.L</b>
(32) Priority Date	:29/04/2009	Address of Applicant :DIPUTACION, 390-392, 08013 BARCELONA, SPAIN
(33) Name of priority country	:Spain	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MARIA CRISTINA MORET CODINA</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 :

Floor box that includes connection modules destined for adapting electrical, voice and data, and multimedia mechanisms or other types of installations with different mechanism formats in its interior, characterised in that it comprises a lid (2a and 2b) that is assembled on a frame (3a and 3b) which, in turn, includes modules (4a and 4b) in its interior, differentiated from each other by the mechanism format (5, 6 and 7) that can be installed therein, said mechanisms being of different types (electrical, voice and data, multimedia, etc.), and because the frame (3a and 3b) includes grooves (59) with drainage holes (60) for evacuating water that enters its interior.

No. of Pages : 39 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2010

(21) Application No.1365/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HYBRID TRANSMISSION

(51) International classification	:B60K
(31) Priority Document No	:GB0910242.7
(32) Priority Date	:15/06/2009
(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)J. C. BAMFORD EXCAVATORS LIMITED**  
Address of Applicant :ROCESTER, UTTOXETER,  
STAFFORDSHIRE ST14 5JP, UNITED KINGDOM

**2)JCB TRANSMISSIONS**

(72)Name of Inventor :

**1)HOYLE, DAVID JOHN**  
**2)EVANS, SIMON JAMES PETER**  
**3)FORD, KEVIN WILLIAM**

(57) Abstract :

A transmission (10) for a vehicle which includes a ground engaging structure (12) driven from an output member (25) of the transmission (10) is disclosed, the transmission (10) including a first input member (15) connected to a prime mover (13), and a second input member (45) drivable by the operation of a hydraulic drive motor (40), and the transmission (10) being operable to transmit drive from the first input member(15) to the output member (25) in mechanical drive mode, and from the second input member (45) to the output member (25) in hydrostatic drive mode, the first input member (15) providing a drive input from the prime mover (13) to a mechanical drive train (36) which includes a gear ratio selection apparatus (C), and for mechanical drive mode, the gear ratio selection apparatus (C) providing for one of a plurality of alternative gear ratios to be selected by the engagement and/or disengagement of at least one power-shift clutch device (24, 32; M3), and the second input member (45) being connected via a drive path to the output member (25), and there being a power-shift clutch device (44) between the hydraulic drive motor (40) and the second input member (45) which is operative when the transmission is in hydrostatic drive mode, to transmit drive established by the operation of the hydraulic drive motor (40) to the second input member (45).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1368/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ELECTRICAL JUNCTION BOX

(51) International classification	:H02G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:JP2009-156376	<b>1)SUMITOMO WIRING SYSTEMS, LTD.</b>
(32) Priority Date	:30/06/2009	Address of Applicant :1-14, NISHISUEHIRO-CHO, YOKKAICHI CITY, MIE 510-8503, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)TAKUMI EJIMA</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 an electrical junction box having a new structure that includes a plurality of electrical component mounting sections that are open in an upper surface, such that (1) the structure is provided with a drainage groove for preventing accumulation of water without requiring any special space, and (2) the structure can eliminate a problem of heat generation from electrical components. An electrical junction box includes a first and second electrical component mounting section units. A plurality of electrical component mounting sections are arranged in straight lines to form the first and second units, respectively. The first and second electrical component mounting segment units are separated apart from each other by a given distance and are arranged in parallel with each other. A heat radiation drainage groove is provided between opposed portions of peripheral walls that constitute the adjacent first and second units. The heat radiation drainage groove is provided in at least one end with an end opening that extends to ends of the first and second units and is open in an outer peripheral surface.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.1186/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : VEHICLE LIGHT CONTROLLER

(51) International classification	:B60Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-123407	<b>1)NILES CO., LTD.</b> Address of Applicant :28-6, OMORINISHI 5-CHOME, OTA-KU, TOKYO 143-8521 (JP) Japan
(32) Priority Date	:21/05/2009	<b>2)SUZUKI MOTOR CORPORATION</b>
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)OISHI, TATSUO</b>
Filing Date	:NA	<b>2)OHATA, TOMOYUKI</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 first light on/off check portion 3 checks the on/off of a light depending on the brightness, and a second light on/off check portion 9 checks the on/off of the light depending on the rain. A light control portion 10, when the rain-dependent on/off check shows the turn-on of the light, turns on a head lamp to avoid the visibility difficulty caused by the rain and, when the rain-dependent on/off check shows the turn-off of the light, according to the result of the check of the brightness-dependent on/off of the light, controls the head lamp and small lamp. A running scene check portion S checks the states of the inside and outside of a tunnel, and the second light on/off check portion 9, when the rain-dependent on/off check shows the turn-on of the light, continues the turn-on of the light on/off check for a given time.

No. of Pages : 65 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1306/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WIND TURBINE AND METHOD FOR OPTIMIZING ENERGY PRODUCTION THEREIN

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/486,101	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:17/06/2009	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)WILLEY LAWRENCE D.</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 (100) is provided. The wind turbine includes a plurality of rotor blades (112), an active flow control device operatively coupled to a respective rotor blade of the plurality of rotor blades, and a control system (200) communicatively coupled to the active flow control device and configured to optimize energy production in the wind turbine based on a generator speed, a rotor blade pitch setting and an active flow control device setting. The control system includes a processor (202) that is programmed to pitch the plurality of rotor blades towards a full operational position (262), and utilize an active flow control device in accordance with a generator speed and a rotor blade pitch setting to facilitate maintaining a predetermined generator rated power level (536).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1307/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A METHOD AND DEVICE IN A COMMUNICATION NETWORK

(51) International classification	:H04L
(31) Priority Document No	:909649.6
(32) Priority Date	:05/06/2009
(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)PICOCHIP DESIGNS LIMITED

Address of Applicant :SECOND FLOOR SUITE,  
RIVERSIDE BUILDINGS, 108 WALCOT STREET, BATH BA1  
5BG, UNITED KINGDOM

(72)Name of Inventor :

1)WHINNETT, NICHOLAS WILLIAM

(57) Abstract :

There is provided a method of operating a base station, the method comprising determining whether there are any mobile devices that are not associated with the base station that require protection from interference caused by downlink transmissions of the base station; and setting a maximum permitted transmission power for the base station based on the result of the step of determining. Figure 2

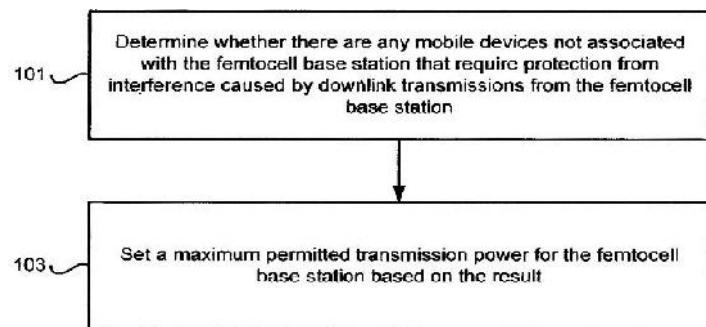


Figure 2

No. of Pages : 32 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1308/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A METHOD AND DEVICE IN A COMMUNICATION NETWORK

---

(51) International classification

:H04L

(31) Priority Document No

:0909650.4

(32) Priority Date

:05/06/2009

(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

(57) Abstract :

There is provided a method of estimating a quality of a signal, the method in a first device comprising measuring a signal transmitted from a second device to a third device; determining a value of a metric from an autocorrelation function of the measured signal; and determining an estimate of the quality of the signal from the determined metric.

No. of Pages : 34 No. of Claims : 22

(71)Name of Applicant :

**1)PICOCHIP DESIGNS LIMITED**

Address of Applicant :SECOND FLOOR SUITE,  
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(72)Name of Inventor :

**1)WHINNETT, NICHOLAS WILLIAM**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1372/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR DETECTING LIGHTNING

---

(51) International classification

:G01W

(31) Priority Document No

:12/493,283

(32) Priority Date

:29/06/2009

(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 lightning detection system 300 is presented. The lightning detection system 300 includes a plurality of sensing devices 302, 304, 306, 308 configured to generate sensor signals 310, 312, 314, 316 representative of one or more working state parameters of an object 100. The lightning detection system 300 further includes a lightning signal processing subsystem 318 configured to combine the sensor signals 310, 312, 314, 316 representative of the one or more working state parameters received from the plurality of sensing devices 302, 304, 306, 308 to generate a composite signal, extract noise signals from the composite signal, and compare the extracted noise signals with one or more lightning signal profiles to determine existence of lightning noise signals in the extracted noise signals, wherein the lightning noise signals are induced in the sensor signals 310, 312, 314, 316 in response to a lightning strike 126 on the object 100.

No. of Pages : 31 No. of Claims : 13

(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)KRAEMER SEBASTIAN GERHARD MAXIM**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/05/2010

(21) Application No.1059/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CONTROL APPARATUS AND METHOD FOR METAL ROLLING FACILITY

---

(51) International classification

:B21B

(31) Priority Document No

:2009-

(32) Priority Date

118054

(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, LTD**

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CHIYODA-KU, TOKYO JAPAN

**2)MITSUBISHI-HITACHI METALS MACHINERY, INC**

(72)Name of Inventor :

**1)FUKUCHI YUTAKA**

**2)HATTORI SATOSHI**

**3)FUKUMURA AKIHISA**

**4)KAGA SHINICHI**

**5)SAITO TAKEHIKO**

**6)NA**

---

(57) Abstract :

A control apparatus is provided for a metal rolling facility which comprises a payoff reel, at least a rolling mill, a takeup reel and plural electric motors for driving them. The control apparatus comprises inverters connected respectively with the plural electric motors to control the rotational speeds and/or torques by controlling the voltages and/or the frequencies of the voltages applied; a primary frequency detector for detecting the primary frequencies of the inverters; and a controller for controlling the rotational speeds and/or torques of the motors on the basis of the detected primary frequencies of the inverters in order that the detected frequencies may not be reduced to zero.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.114/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 20/09/2013

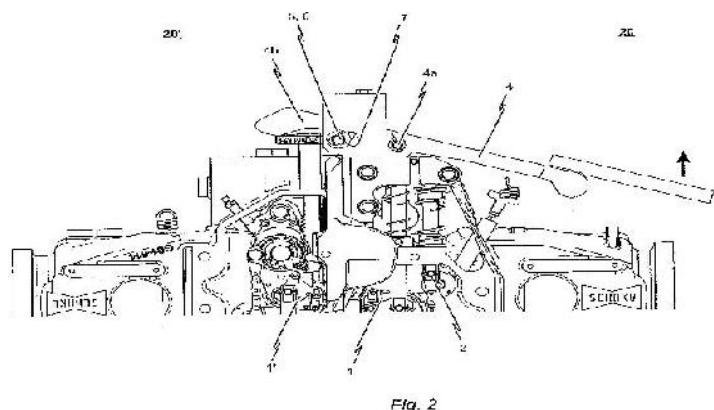
(54) Title of the invention : COUPLING HEAD FOR A TRACK-GUIDED VEHICLE

(51) International classification	:F16D	(71) Name of Applicant :
(31) Priority Document No	:EP 10 002	1) VOIOTH PATENT GMBH
	942.0	Address of Applicant :SANKT POLTENER STRAE 43, DE -
(32) Priority Date	:19/03/2010	89522 HEIDENHEIM, GERMANY
(33) Name of priority country	:EUROPEAN UNION	(72) Name of Inventor :
(86) International Application No	:NA	1) SCHIPMANN, RALF
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 coupling head (20) for a track-guided vehicle to form a mechanical connection with a structurally-identical counter-coupling head (20), wherein the coupling head (20) comprises the following: a locking element (1); a first and a second actuating element (2, 3) which are each vertically movable respective the coupling direction (L) and relative the coupling head (20) and connected to the locking element (1) such that upon the actuating elements (2, 3) moving relative to the coupling head (20), the locking element (1) can be conveyed from its first to its second position and vice-versa; and a lever element (4) comprising a first area (4a) at which an end region of the first actuating element (2) is articulated such that upon the pivoting of the lever element (4), the first actuating element (2) is moved vertically to the coupling direction (L) relative the coupling head (20), wherein the lever element (4) further comprises a second area (4b) for interacting with an end region of a second actuating element (3) of an identically-structured counter-coupling head (20) coupled to the coupling head (20) such that upon the lever element (4) pivoting, the second actuating element (3) of the counter-coupling head (20) can move vertically to the coupling direction (L) relative the counter-coupling head (20). In accordance with the invention, a bearing (5) is further provided for supporting the lever element (4) between the first and the second area (4a, 4b) such that the lever element (4) is pivotable about a predefinable vertical axis.



No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1259/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FIRE SUPPRESSOR CYLINDERS WITH ENHANCED BUBBLE PRODUCTION

---

(51) International classification

:A62C

(31) Priority Document No

:0912100.5

(32) Priority Date

:10/07/2009

(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) Abstract :

A fire suppression cylinder includes a valve at an outlet of a canister, and a control for the valve. The canister receives a liquid suppressor agent and a pressurized gas. A feature within a portion of the canister will receive the liquid suppressor agent. The feature increases the formation of gas bubbles within the liquid suppressor agent.

No. of Pages : 10 No. of Claims : 13

(71)Name of Applicant :

**1)KIDDE TECHNOLOGIES, INC**

Address of Applicant :4200 AIRPORT DRIVE, NW,  
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(72)Name of Inventor :

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**2)PALLANT ROBERT**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1385/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND COMPOSITIONS FOR USE WITH GEL DISPENSERS

---

(51) International classification

:A01N

(31) Priority Document No

:61/187,041

(32) Priority Date

:15/06/2009

(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)DAVID R. MACINGA**

**2)SARAH L. EDMONDS**

**3)KRISTIN E. HARTZELL**

**4)KELLY A. DOBOS**

**5)CAROL A. QUEZADA**

(57) Abstract :

A method is provided for reducing the frequency of mis-directed output of hydroalcoholic gel from a dispenser. A method of reducing the formation of coagulated gel deposits, and dispensable hydroalcoholic gel compositions are also provided.

No. of Pages : 25 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1386/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ADAPTIVE IRIS MATCHING USING DATABASE INDEXING

(51) International classification

:G06Q

(31) Priority Document No

:61/268,678

(32) Priority Date

:15/06/2009

(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)HONEYWELL INTERNATIONAL INC.**

Address of Applicant :101 COLUMBIA ROAD, P.O. BOX  
2245, MORRISTOWN, NEW JERSEY 07962, U.S.A.

(72)Name of Inventor :

**1)RAND WHILLOCK**

**2)RIDA HAMZA**

**3)ISAAC COHEN**

(57) Abstract :

An adaptive iris matching approach (58) for processing images of irises having a quality not sufficient for conventional non-adaptive matching approaches (43). Visible regions (23) in a radial direction on an iris, without segmenting a circumferential of the iris, may be processed (48). A boundary of the visible region of the iris may be estimated (49). An iris map may be constructed (51) with the non-visible portion of the iris masked. The iris map may be at least partially encoded (52). Partial codes of the iris map may be extracted (53) to index at least portions of a database containing iris information. Irises may be retrieved (54) from the database with an iris code as a query.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/04/2011

(21) Application No.1096/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A NOVEL OUTER REAR VIEW MIRROR

(51) International classification	:G03B
(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)Aakash Chaudhary and Baadal Chaudhary

Address of Applicant :#272 sector-6 Panchkula- 134109

Haryana India

(72)Name of Inventor :

1)Aakash Chaudhary

2)Baadal Chaudhary

(57) Abstract :

In view of foregoing, an embodiment herein provides an OVRM for folding the mirror substantially parallel to the adjacent A-pillar of the car. Specifically, the OVRM of the present invention includes a mirror, a connecting arm, a connecting holder, wherein the connecting holder further includes a folding mechanism that can be securely hold and fold the mirror, wherein the folding mechanism is configured to fold the mirror behind the A-pillar of the car. The folding mechanism is provided with the connecting arm to help a driver to adjust the orientation of the mirror towards the A-pillar and also allow a 90° rotation in vertical direction thus achieving better protection solution of OVRM. Further, the OVRM is structured and designed to reduce the blind spot and also to increase maneuverability of vehicle.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1257/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : NON-INTRUSIVE VAPOR DETECTOR FOR MAGNETIC DRIVE PUMP

---

(51) International classification

:F04D

(31) Priority Document No

:0912515.4

(32) Priority Date

:17/07/2009

(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)HMD SEALLESS PUMPS LIMITED**

Address of Applicant :HAMPDEN PARK INDUSTRIAL  
ESTATE, EASTBOURNE, EAST SUSSEX BN229AN, UNITED  
KINGDOM

(72)Name of Inventor :

**1)CLARK DAVID**

**2)HARPER PHIL**

(57) Abstract :

A magnetic drive pump includes a magnetic coupling comprising an outer magnet rotor and an inner magnet rotor. The outer magnet rotor is driven by a separate motor. The outer magnet rotor is positioned radially outward of a sealing wall. The inner magnet rotor is positioned radially within the sealing wall, such that rotation of the inner magnet rotor causes the pump rotor to in turn rotate. The pump rotor drives a centrifugal pump impeller to move a liquid. A bubble detector is positioned outward of the wall such that it is in a dry side of the pump. The bubble detector sends a signal into a wet side of the pump to identify the existence of a gas within a pump fluid.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1258/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD OF USING SYNGAS COOLING TO HEAT DRYING GAS FOR A DRY FEED SYSTEM

(51) International classification

:F26B

(31) Priority Document No

:12/483,314

(32) Priority Date

:12/06/2009

(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 for improving the overall thermal efficiency of a coal power generation plant by transferring heat from a raw synthesis gas stream (101) to solid fuel (107) used as the primary feed to the gasifier (112), comprising the steps of initially cooling the syngas exhaust (101) by transferring heat to a makeup conveyance gas feed (104) to the dry feed preparation system, feeding a solid fuel component and a portion of the makeup gas stream into a grinding mechanism (106) for the solid feedstock, forming a two-phase solids/gas stream (108) comprising ground feedstock particulates and makeup gas, heating and drying the ground solid feedstock particulates to remove water, separating and removing water vapor formed in the heating and drying step, and feeding the heated and dried solids/gas stream to the gasifier (106).

No. of Pages : 46 No. of Claims : 18

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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

**1)RUSSELL STEVEN CRAIG**

**2)CORRY JUDETH BRANNON**

**3)FREY GEORGE FREDERICK**

**4)MISHRA SUNIL RAMABHILAKH**

**5)MALL OMPRAKASH**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1388/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : QUENCH CHAMBER ASSEMBLY FOR A GASIFIER

(51) International classification	:B01J	(71) Name of Applicant :
(31) Priority Document No	:12/494,385	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:30/06/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)TIWARI PRASHANT</b> <b>2)LASKOWSKI GREGORY MICHAEL</b> <b>3)CORRY JUDETH BRANNON</b> <b>4)KLOCKOW HELGE BURGHARD HERWIG</b> <b>5)JIMENEZ-HUYKE ALLYSON JOY</b> <b>6)BHAISORA SHAILESH SINGH</b> <b>7)RUSSELL STEVEN CRAIG</b> <b>8)HARDCastle KARL</b> <b>9)MOYER JENNIFER LYNN</b> <b>10)PARENT SCOTT REGINALD</b> <b>11)MOHSIN YULIANTO SALAHUDDIN</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	

(57) Abstract :

A gasifier (10) includes a combustion chamber (14) in which a combustible fuel is burned to produce a syngas and a particulated solid residue. A quench chamber (16) having a liquid coolant is disposed downstream of the combustion chamber (14). A dip tube (38) is disposed coupling the combustion chamber (14) to the quench chamber (16). The syngas is directed from the combustion chamber (14) to the quench chamber (16) via the dip tube (38) to contact the liquid coolant and produce a cooled syngas. A draft tube (46) is disposed surrounding the dip tube (38) such that an annular passage (50) is formed between the draft tube (46) and the dip tube (38). An asymmetric or symmetric baffle (54) is disposed proximate to an exit path (86) of the quench chamber (16). The cooled syngas is directed through the annular passage (50) and impacted against the asymmetric or symmetric baffle (54) so as to remove entrained liquid content from the cooled syngas before the cooled syngas is directed through the exit path (86).

No. of Pages : 46 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.107/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR MESOSCOPIC GEOMETRY MODULATION

(51) International classification

:G06Q

(31) Priority Document No

:12/689,170

(32) Priority Date

:18/01/2010

(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 :

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Address of Applicant :500 S. BUENA VISTA STREET,  
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AMERICA

(72)Name of Inventor :

**1)THABO DOMINIK BEELER**  
**2)BERND BICKEL**  
**3)MARKUS GROSS**  
**4)ROBERT SUMNER**  
**5)PAUL BEARDSLEY**

(57) Abstract :

A computer-implemented method for generating a three-dimensional model of an object. The method includes generating a coarse geometry mesh of the object; calculating an optimization for the coarse geometry mesh based on photometric consistency and surface consistency associated with the coarse geometry mesh; and refining the coarse geometry mesh with the optimization to generate the three-dimensional model for the object

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.1070/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD AND DEVICE FOR DIAGNOSIS OF POSITIONING ELEMENT

(51) International classification	:G01D
(31) Priority Document No	:102009002859.5
(32) Priority Date	:06/05/2009
(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)TOSUN, ZEYNEP**

**2)BAUMANN, TORSTEN**

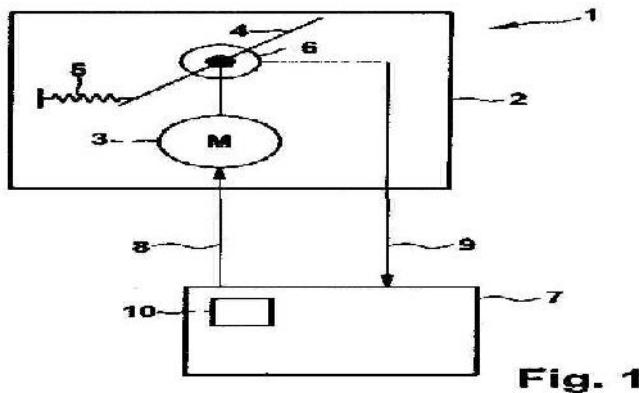
**3)BUEHRLE, RALF**

**4)SCHUMACHER, GEBHARD**

**5)WEIZEL, CARSTEN**

(57) Abstract :

The present subject matter relates to a method for establishing an interchange of multiple connections of a positioning element. The positioning element comprises a direct current motor, which is bi-directionally actuated by the multiple connections, such that an interchange of at least two of the connections of the direct current motor leads to a reversal of the positioning direction of the positioning element. According to the present subject matter, the method comprises positioning the positioning members of the positioning element on a null position (N), actuating the direct current motor according to a diagnosis parameter, wherein the diagnosis parameter is selected such that different amounts of the changes of the position of the positioning member are evaluated on the basis of the actuation with the diagnosis parameter during a non-interchange of the connections and during an interchange of the connections, detecting an actual change in the position of the positioning member, wherein the change in position of the positioning member results due to the actuation of the direct current motor, and establishing an interchange of the at least two connections, if the amount of the actual change of the position of the positioning member deviates from the amount of the change of the position, which is to be evaluated.



**Fig. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2010

(21) Application No.1157/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : GEOTHERMAL HEAT PUMP SYSTEM

(51) International classification	:F28D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/179,497	<b>1)THERMAPAN INDUSTRIES INC.</b>
(32) Priority Date	:19/05/2009	Address of Applicant :1380 COMMERCE PARKWAY, P.O. BOX 429, FORT ERIE, ONTARIO L2A 5N2, CANADA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)JEFFREY M. TARABA</b>
Filing Date	:NA	<b>2)EMIL M. TARABA</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 geothermal heat pump system comprises at least one heat exchange unit and a ground loop in fluid communication with the at least one heat exchange unit. The ground loop has a feed into which heat exchange fluid is delivered by the at least one heat exchange unit and has a discharge via which circulated heat exchange fluid is returned to the at least one heat exchange unit. The ground loop comprises at least one fluid circuit formed of tubing arranged to define a plurality of laterally spaced, vertical coils buried in earth beneath a foundation slab of a building structure.

No. of Pages : 37 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1406/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : IMAGE PICKUP APPARATUS AND IMAGE PICKUP METHOD

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(51) International classification	:G03B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	172384	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:23/07/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)RYOSUKE AMANO</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 image pickup apparatus includes a pixel unit divided into at least two regions which generates pixel signals, driving controllers which controls reading of the pixel signals from the regions, a storage unit storing pixel signals for one screen, a timing controller controlling a timing when the pixel signals are read from the storage unit based on a setting value of an input frame rate, and a timing generator which generates a driving signal for performing the reading processes of the pixel signals the regions in parallel in terms of time when the frame rate is larger than a predetermined threshold value and generates a driving signal for performing the reading processes of the pixel signals from the regions in series in terms of time when the frame rate is not larger than the predetermined threshold value, and which supplies the generated driving signal to the driving controllers.

No. of Pages : 85 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2010

(21) Application No.1159/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD OF CASTING

(51) International classification	:B22D
(31) Priority Document No	:0908524.2
(32) Priority Date	:19/05/2009
(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)HONEY WELL UK LIMITED**

Address of Applicant :HONEYWELL HOUSE, ARLINGTON BUSINESS PARK, BRACKNELL, BERKSHIRE RG12 1EB, UNITED KINGDOM

**2)HONYWELL AEROSPACE BV**

(72)Name of Inventor :

**1)BEDFORD, PAUL**

(57) Abstract :

A method of casting a molten metal into a mould (12) uses an apparatus (10) which has a casting chamber (11) which includes a mould (12) into which molten metal is introduced when the casting chamber (11) is at least partially evacuated, to fill the mould (12), a tundish (15) connected to the casting chamber (11), the tundish (15) having an opening (18) in register with an inlet aperture (20) of the casting chamber (11) to provide an inlet flow path for the molten metal from the tundish (15) into the casting chamber(11), a plug (30) which includes a sealing part of a material with a melting temperature not greater than the temperature of the metal being cast, the method including locating the plug (30) to close the molten metal flow path, at least partially evacuating the casting chamber (11), pouring a volume of molten metal into the tundish (15) sufficient to provide the casting, whereby at least the sealing part of the plug (30) melts to permit molten metal to flow along the flow path into the casting chamber (11).

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2011

(21) Application No.1217/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A COLEUS AROMATICUS BASED COMPOSITION AND A PROCESS FOR PREPARATION THEREOF

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)Director General Defence Research and Development Organization</b> Address of Applicant :Ministry of Defence Govt. of India Room No 348 B-Wing DRDO Bhawan Rajaji Marg New Delhi 110105 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)DADASAHEB DATTATRAYA WADIKAR</b> <b>2)KUNIGAL SRINIVASIAH PREMAVALLI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a Coleus aromaticus based composition comprising: a) 10-15g% by weight Coleus aromaticus leaf extract; b) 9-11g% by weight sugar; c) 3-4g% by weight lemon juice; d) 0.6-0.9 g% by weight salt; and e) 65-75 g% by weight water. The present invention also provides a process for preparing the Coleus aromaticus based composition.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1218/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPOSABLE TANGENTIAL FLOW FILTRATION LINER WITH SENSOR MOUNT

(51) International classification	:B01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/217,323	<b>1)MILLIPORE CORPORATION</b>
(32) Priority Date	:29/05/2009	Address of Applicant :290 CONCORD ROAD, BILLERICA, MA 01821, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MARTIN MORRISSEY</b>
Filing Date	:NA	<b>2)DENNIS WONG</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 :

Tangential flow filtration device is provided wherein liners are provided between the filtration element and the top and bottom holders or manifolds. The liners incorporate the flow channels and inlet and outlet ports, as well as a sensor mount. The liners are made of an inexpensive material and therefore are disposable after a single use, making it more cost effective to dispose of them than to clean the conventional manifolds. The sensor mount accommodates a removable sensor, and isolates it from the fluid path.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1410/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISTRIBUTED SYSTEM AND METHOD FOR MANAGEMENT OF MULTIPLE USERS AND WORKSPACES

(51) International classification	:G06F
(31) Priority Document No	:61/187,940
(32) Priority Date	:17/06/2009
(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)SMART TECHNOLOGIES ULC**

Address of Applicant :3636 RESEARCH ROAD, N.W.,  
CALGARY, ALBERTA T2L 1Y1, CANADA

(72)**Name of Inventor :**

**1)DAVID MARTIN**

**2)SHYMMON BANERJEE**

**3)ANDREW LEUNG**

**4)UMAR FAROOQ**

**5)PAUL VANETTI**

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(57) Abstract :

A distributed system for managing users and workspaces comprises a network cloud comprising at least one server configured to store and run at least one application and at least one meeting appliance configured to communicate with the network cloud, to run the at least one application on the network cloud, and to display output of the at least application on the meeting appliance.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1411/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTROL DEVICE FOR TRAVERSE APPARATUS

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(51) International classification	:B65H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-172940	<b>1)TMT MACHINERY, INC</b>
(32) Priority Date	:24/07/2009	Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-6-26, KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)HASEGAWA MASAKATSU</b>
Filing Date	:NA	<b>2)BANDO SHIRO</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 provides a technique for preventing the possible axial nonuniformity of the density of each package. A traverse control section 80 of a traverse apparatus 34 includes a position-speed pattern generation section 60 configured to supply a position-speed pattern indicative of the relationship between the position of a yarn guide 33 and the traveling speed of the yarn guide 33 at the position, a target speed calculation section 61 configured to calculate the target traveling speed of the yarn guide 33 based on the position-speed pattern supplied by the position-speed pattern generation section 60 and the current position of the yarn guide 33 sensed by an encoder 49, and a driving control means for controlling the operation of the yarn guide driving means based on the traveling speed calculated by the target speed calculation section 61.

No. of Pages : 30 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.110/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CHAIN CASE STRUCTURE OF ENGINE

(51) International classification	:F16M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-011675	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN
(32) Priority Date	:22/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HOSHITO KATSUNI</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 chain case structure of an engine includes an oil pump disposed in a chain case and driven by a crankshaft of the engine and an oil pump case. The oil pump case includes an oil strainer mounting portion, an oil suction passage communicating the oil strainer mounting portion with a pump chamber, and a chain guide portion protruding toward the one end in the crankshaft direction of the engine and extending along an outer periphery of a timing chain. The oil strainer mounting portion is disposed below the chain guide portion, the oil suction passage portion is expanded from a wall surface of the oil pump case toward the engine and extended toward the chain guide portion, and the oil strainer mounting portion and the chain guide portion are connected by the oil suction passage portion.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2010

(21) Application No.1143/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR VEHICLE ARTICLE CARRIER HAVING STOWABLE CROSS BARS

(51) International classification

:B60R

(31) Priority Document No

:12/637,907

(32) Priority Date

:15/12/2009

(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)JAC PRODUCTS, INC.**

Address of Applicant :225 INDUSTRIAL. DRIVE, SALINE,  
MICHIGAN, U.S.A.

(72)Name of Inventor :

**1)JOHN M. HEUCHERT**

**2)ERIC WEBER**

**3)MICHAEL R. MAKIN**

**4)GERALD L. DRUMM**

**5)GORDON MICHIE**

(57) Abstract :

A vehicle article carrier system for use on an outer body surface of a vehicle. The system may have a pair of support rails secured to the outer body surface. At least one cross bar having a pair of end supports extends between the support rails. Each end support has a housing and a rotatable locking component secured to the housing for rotatable movement. One of the housing and the rotatable locking component has a biased implement projecting therefrom, and the other has a plurality of structural elements arranged in a circumferential pattern. The biased implement engages with at least one of the structural elements to provide an additional holding force to the rotatable locking component when the rotatable locking component has been tightened.

No. of Pages : 46 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1202/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BLOW MOLDING MACHINE WITH CIP SYSTEM FOR PRODUCING PLASTIC BOTTLES,  
PARTICULARLY PET BOTTLES

(51) International classification	:B08B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:102009023406.3	<b>1)KRONES AG</b>
(32) Priority Date	:29/05/2009	Address of Applicant :BOHMERWALDSTRASSE 5, 93073
(33) Name of priority country	:Germany	NEUTRAUBLING, GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)VOTH, KLAUS</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 refers to a blow molding machine for producing plastic bottles, particularly PET bottles, the machine comprising: a plurality of blow molding stations, said stations having assigned thereto valve blocks with control valves and blowing nozzles for introducing or discharging blowing air; and a cleaning-in-place (CIP) system for cleaning the blow molding machine. Since the valve blocks are configured such that they can be included in the CIP process, the system components, such as the blowing nozzle, which are particularly important for the production of PET bottles in terms of hygiene can be cleaned and sterilized without disassembly.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1203/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BELT CONVEYOR EQUIPMENT

(51) International classification	:B65G
(31) Priority Document No	:102009023287.7
(32) Priority Date	:29/05/2009
(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)KRONES AG

Address of Applicant :BOHMERWALDSTRASSE 5, 93073  
NEUTRAUBLING, GERMANY

(72)Name of Inventor :

1)SEGER, MARTIN

2)HUTTNER, JOHANN

(57) Abstract :

Described is a belt conveyor that contains a belt body that is provided with at least one running support on which a conveyor belt runs. To achieve a formation with a simple design and a reliable and energy-saving function, it is proposed that the running support be given a roller guide and that a plurality of rollers placed one behind the other in the conveying direction be provided between the running support and the conveyor belt.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.146/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD

(51) International classification	:H01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-019083	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:29/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KAZUYUKI YAMAMOTO</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 an information processing apparatus including a position detection section which detects a position of an object, and a coordinate calculation section which calculates absolute coordinates based on the position of the object detected by the position detection section, and which calculates relative coordinates, which indicate a display position of the object on a screen, depending on the absolute coordinates and a motion of the object. The coordinate calculation section moves the relative coordinates in order for the relative coordinates to be asymptotic to or correspondent to the absolute coordinates based on a predetermined condition.

No. of Pages : 42 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2010

(21) Application No.1165/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR WIND TURBINE NOISE CONTROL AND DAMAGE DETECTION

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/477,437	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:03/06/2009	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)XIONG WEI</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 and method of providing noise control for a wind turbine (10) are provided. The system includes at least one blade (24) operably mounted on a wind turbine, and one or more sensors (410) for receiving one or more signals relating to an operating characteristic of the wind turbine. A controller (40) is configured for evaluating the signals to determine if they are outside a predetermined range. The system is configured to adjust operating characteristics and/or generate alarms if the signals are outside a predetermined range. The method includes the steps of receiving one or more signals from one or more sensors, determining if the signals are outside a predetermined range, and adjusting an operating parameter of the wind turbine or generating an alarm in response to the signals received from the sensors. The operating parameter can be adjusted to alter the amount of noise generated by the wind turbine.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1223/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SWITCH

(51) International classification	:H01H	(71)Name of Applicant :
(31) Priority Document No	:P2009-127857	<b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO JAPAN
(32) Priority Date	:27/05/2008	(72)Name of Inventor :
(33) Name of priority country	:Japan	<b>1)MIWA IKUO</b> <b>2)YANAGI HIRONORI</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 switch including a movable side contacting portion, a fixed side contacting portion arranged to face the movable side contacting portion, a movable conductor held slidably in the movable side contacting portion which is to be inserted freely in the fixed side contacting portion, a first coil shaped contact shoe loaded in a ring shaped groove formed at an inner circumference of the movable side contacting portion, and a second coil shaped contact shoe loaded in a ring shaped groove formed at an inner circumference of the fixed side contacting portion. Here each of the first and the second coil shaped contact shoes is a ring shape formed by jointing both ends of a coil spring, each of the joint portions is located at an apex of an outer circumference of each of the first and second ring shaped contact shoes, and each of the first and second ring shaped contact shoes contacts slope faces formed at both sides of a bottom portion of the ring shaped groove.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1224/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LATERAL, ANGULAR AND TORSIONAL VIBRATION MONITORING OF ROTORDYNAMIC SYSTEMS

(51) International classification	:G01H
(31) Priority Document No	:61/184,800
(32) Priority Date	:06/06/2009
(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)NUOVO PIGNONE S.P.A**

Address of Applicant :VIA FELICE MATTEUCCI, 2, 50127  
FLORENCE, ITALY.

(72)**Name of Inventor :**

**1)ROSSI VALERIO**

**2)DEPAU VALERIO**

(57) Abstract :

Exemplary embodiments provide a surface of a rotating element with both a phase reference mark and a plurality of additional marks. A proximity probe detects the passage of both the phase reference mark and the plurality of additional marks as they rotate through a detection zone. Both a phase reference signal and a vibration reference signal are generated, which signals are used to calculate lateral and angular (and optionally torsional) vibration of the rotating elements.

No. of Pages : 29 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1497/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : WELD ANALYSIS DEVICE AND METHOD

(51) International classification	:G01B	(71)Name of Applicant :
(31) Priority Document No	:12/500,289	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:09/07/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)SIEBER KURT</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 device (202) for analyzing a formed weld (114) of a wind turbine system (100) is disclosed. The device (202) includes a gage (202), a first member (204), a second member (208), and a third member (214). The gage (206) measures a distance. The first member (204) receives the gage (206). The second member (208) is attached to the first member (204) and releasably attaches to a first surface (210) on a first side (212) of the formed weld (114). The third member (214) attaches to the first member (204) releasably attaches to a first surface (216) on a second side (218) of the formed weld (114). The gage (206) is positionable at a plurality of locations. The device (202) determines the quality of the weld (114) by positioning the gage (206) at the plurality of locations and measuring a plurality of dimensions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.1026/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : IMPROVED STRUCTURAL SUPPORT MEMBER FOR A HARNESS FOR BREATHING APPARATUS

(51) International classification

:A62B

(31) Priority Document No

:0907748.8

(32) Priority Date

:06/05/2009

(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)DRAEGER SAFETY UK LIMITED

Address of Applicant :ULLSWATER CLOSE, BLYTH  
RIVERSIDE BUSINESS PARK, BLYTH,  
NORTHUMBERLAND, NE24 4RG, UNITED KINGDOM

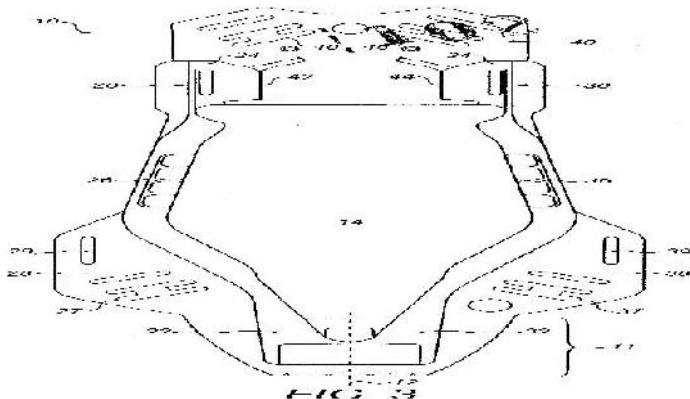
(72)Name of Inventor :

1)TOWNSEND, PAUL

2)WRIGLEY, GORDON

(57) Abstract :

The present invention relates to a structural support member 10 for a harness 100 for breathing apparatus, the structural support member being generally elongate and arranged in use to support a cylinder of breathable gas, the structural support member comprising: a frame having; a lower portion 11 arranged in use to support a first end of a cylinder; an upper portion arranged in use to support a second opposed end of the cylinder; and first and second side limbs 26, 36 coupling the upper and lower portions and defining a void 14 therebetween, in a substantially central region of the frame. Figure 3



No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1201/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STRUCTURAL FLOORING PANEL AND FLOOR STRUCTURE INCORPORATING THE SAME

(51) International classification

:E04F

(31) Priority Document No

:61/180,713

(32) Priority Date

:22/05/2009

(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)THERMAPAN INDUSTRIES, INC.**

Address of Applicant :1380 COMMERCE PARKWAY,  
P.O.BOX 429, FORT ERIE, ONTARIO L2A 5N2, CANADA

(72)Name of Inventor :

**1)JEFFREY M. TARABA**

**2)EMIL M. TARABA**

(57) Abstract :

A structural flooring panel comprises an upper sheet, a lower sheet and a plurality of longitudinally extending ribs between the sheets. The ribs are laterally spaced to define at least one longitudinally extending, internal channel within the panel.

No. of Pages : 31 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/06/2010

(21) Application No.1262/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : POLYESTER FOAM MATERIAL HAVING FLAME-RESISTANT BEHAVIOUR

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(51) International classification	:C08J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09 007	<b>1)ARMACELL ENTERPRISE GmbH</b>
	315.6	Address of Applicant :ROBERT-BOSCH-STR. 10, 48153
(32) Priority Date	:02/06/2009	MUNSTER, FEDERAL REPUBLIC OF GERMANY
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)JIE LI</b>
Filing Date	:NA	<b>2)HORST GRATER</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 :

An expanded cellular material from aromatic polyester resins obtained by a reactive extrusion foaming of polyester resins, wherein the polyester foam provided with flame retardancy achieves a total heat release (THR600s) less than 6.0MJ, a fire growth rate (FIGRA) less than 430.0W/s, a total smoke production (TSP600s) less than 165.0MJ and no flaming droplets/particles within 600s according to Single Burning Item (SBI) prEN 13823.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1391/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : GASIFICATION SYSTEM FLOW DAMPING

(51) International classification	:C10J	(71)Name of Applicant :
(31) Priority Document No	:12/495,439	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:30/06/2009	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)KLOCKOW HELGE B.</b> <b>2)STOREY JAMES MICHAEL</b> <b>3)AVAGLIANO AARON JOHN</b> <b>4)WANG GUOQING</b> <b>5)MANDRUSIAK GARY DWAYNE</b> <b>6)HARDCastle KARL</b> <b>7)PARENT SCOTT REGINALD</b> <b>8)TIWARI PRASHANT</b> <b>9)LASKOWSKI GREGORY</b> <b>10)CORRY JUDETH BRANNON</b> <b>11)DINU CONSTANTIN</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 :

In one embodiment, a gasification system component, such as a quench unit (14) or scrubber (19) may retain of pool of a cooling fluid (52) for cooling another fluid (47). The gasification system component includes a flow damping mechanism (70, 88, 98, 100, 102, 104, 106, 112, 118, 120, 130) designed to dampen flow of the cooling fluid (52), the other fluid (47), or both, within the gasification system component. The flow damping mechanism may be disposed in an inner chamber (58) formed between a dip tube (54) and a draft tube (56) or disposed in an outer chamber (60) formed between the walls of the gasification system component and the draft tube (56). The flow damping mechanism also may be disposed between the inner chamber (58) and the outer chamber (60).

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2010

(21) Application No.1521/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : EXPANDED BEAM OPTICAL FIBRE CONNECTOR

(51) International classification	:G02B
(31) Priority Document No	:0911359.8
(32) Priority Date	:30/05/2009
(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)FIBRECO LIMITED**

Address of Applicant :UNIT 12, FLITCH INDUSTRIAL  
ESTATE CHELMSFORD ROAD, DUNMOW CM6 1XJ,  
UNITED KINGDOM

(72)Name of Inventor :

**1)EVERETT, DAVID EDWARD**

**2)HICKS, MARK EDWARD**

(57) Abstract :

The present invention relates to an optical connector for use in a fibre optic communications system, and particularly an expanded beam optical connector (20) for connecting optical fibres. The connector (20) comprises a housing (6), a port (48) within the housing for receiving an end (35) of an optical fibre (38), a cylindrical ferrule (32) within the housing (6) having opposite first and second ends (33, 35), and an optical fibre stub held axially (14) within the ferrule (32) and extending between said ferrule ends (33, 35). The connector (20) also has a lens (8) for projecting and/or receiving an expanded beam (40) optically coupled with the optical fibre stub at the first ferrule end (33). A sleeve (34) surrounds the ferrule (32) and extends towards the port (48) axially away from the second ferrule end (35) to present an open end to the sleeve for receiving a termination ferrule (36) of an optical fibre (38) inserted into the port. The connector (20) has a connector portion (2, 4, 5) for connecting the optical fibre connector (20) to another expanded beam optical fibre connector so that said expanded beam (40) traverses between the connectors. A channel (28) extends through the housing (6) from the port (48) towards the lens (8), the ferrule (32) being secured by means of a ring (80) within the channel (28), the ring having an outer surface (78) that makes an interference fit with an inner surface (25) of the channel and an inner surface (76) that makes an interference fit with an outer surface (74) of the ferrule towards the first ferrule end (33).

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.1029/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : FILM-BASED SYSTEM AND METHOD FOR CARBON DIOXIDE SEPARATION

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(51) International classification	:B01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/604,880	<b>1)HAMILTON SUNDSTRAND CORPORATION</b>
(32) Priority Date	:23/10/2009	Address of Applicant :ONE FINANCIAL PLAZA, WINDSOR LOCKS, CONNECTICUT 06096 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)CORDATOS HARALAMBOS</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 method for separating CO<sub>2</sub> from a processed fluid includes exposing a film to the processed fluid and reacting the CO<sub>2</sub> with tetrahedrally coordinated zinc hydroxide moieties contained within the film to facilitate the transport of the CO<sub>2</sub> through the film.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/05/2010

(21) Application No.1105/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : AIRFOILS WITH VIBRATION DAMPING SYSTEM

(51) International classification	:B64C
(31) Priority Document No	:09160063.5
(32) Priority Date	:12/05/2009
(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)CHRISTOPH GERBER
- 2)MARKUS DENK
- 3)PIERRE-ALAIN MASSEREY
- 4)JACOB LABORENZ
- 5)CHRISTIAN SIEWERT

(57) Abstract :

The invention relates to adjacently mounted circumferentially distributed turbo machine airfoils (2a, 2b) with vibration damping systems. Each adjacent pair of airfoils (2a, 2b) comprises a fixing and receiving portion (10a, 10b), extending between the paired adjacent airfoils (2a, 2b), each with a face (12a, 12b) that are proximal or in contact with each other. Vibration is suppressed by the fixing and receiving portions (10a, 10b) each having a received magnet (20a, 20b) fixingly installed therein and a non-magnetic conducting plate (25a) therebetween. Each magnet (20a, 20b) has a pole (22a, 22b) that faces the pole (22a, 22b) of the other magnet (20a, 20b) in between which the non-magnetic conducting plate (25a) is located and in which eddy currents can be induced by the relative movement of the magnets due to vibration.

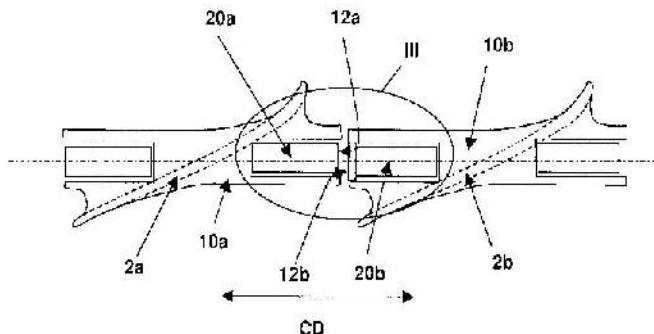


FIG. 2

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/06/2010

(21) Application No.1269/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : RAIL-TRANSPORTABLE WIND TURBINE TOWER

---

(51) International classification

:F03D

(31) Priority Document No

:12/484,645

(32) Priority Date

:15/06/2009

(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)BAGEPALLI BHARAT  
2)KARACA HUESEYIN  
3)PAURA INGO  
4)DEAN NATHANIEL S.**

(57) Abstract :

A tower (1000) is provided having a plurality of axial substantially tubular sections (1031, 1032, 1033) with an outer diameter no greater than a designated maximum diameter. At least one of the sections includes at least one reverse taper portion (1030) located near a base of the tower (1000). The reverse taper portion (1030) has a first end, located near the base, having a first diameter. The reverse taper portion has a second end, opposed to the first end, having a second diameter. The first diameter is smaller than the second diameter.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/06/2010

(21) Application No.1270/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR CLEANING AND DE-ICING WIND TURBINE ROTOR BLADES

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/485,492	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:16/06/2009	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)KUMAR RAJ</b>
Filing Date	:NA	<b>2)HIREMATH VIJAYKUMAR MUPPAYYA</b>
(87) International Publication No	:NA	<b>3)SAKKARAJU DHANASEKARAKANNAN</b>
(61) Patent of Addition to Application Number	:NA	<b>4)RAO KAVALA VENKATESWARA</b>
Filing Date	:NA	<b>5)NADAMPALLI NARASIMHAMURTHY RAJU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cleaning apparatus (30) for cleaning at least one of grime and built-up ice off wind turbine rotor blades (24) is provided. The cleaning apparatus includes a tank (32) mounted on a base (36), a plurality of lifting arms (38,40) mounted on the base adjacent the tank, an elliptical spray head (50) attached to the lifting arms, the lifting arms sized to lift the elliptical spray head from a first position to a second position, the second position farther away from the tank than the first position, and at least one pipe (54), a first end (56) of the pipe connected to the elliptical spray head, and a second end of the pipe operatively coupled to a pump (60), the pump operatively coupled to the tank.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1530/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD AND ELECTRIC UNIT TO OPERATE ELECTRIC MOTOR

(51) International classification	:B60L
(31) Priority Document No	:102009027346.8
(32) Priority Date	:30/06/2009
(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

Address of Applicant :POSTFACH 30 02 20, STUTTGART  
70442, GERMANY

(72)Name of Inventor :

1)HOFMANN, MICHAEL-JUERGEN

(57) Abstract :

The present subject matter relates to a method to operate an electric motor (11). The electric motor (11) comprises at least two phases (U, V, W) and a rotor. The method further comprises determination of a present angular position ( $\phi_{ipos}$ ) of the rotor based on a potential applied to at least one of the two phases, so that a desired angular position ( $\phi_{iposreq}$ ) is determined. According to the present subject matter, the method further comprises determination of a target angular velocity ( $d\phi_{ides}$ ) from the present angular position ( $\phi_{ipos}$ ) and the desired angular position ( $\phi_{iposreq}$ ). Then, the target angular velocity ( $d\phi_{ides}$ ) is used to influence the potential.

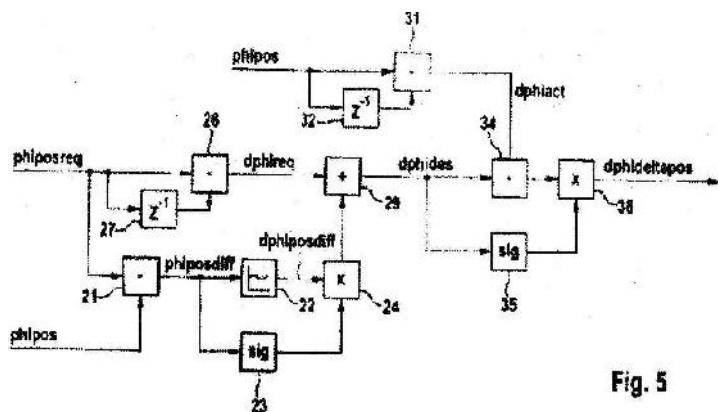


Fig. 5

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2010

(21) Application No.1016/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OPTICAL RECORDING MEDIUM AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:G11B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	120427	Address of Applicant :1-7-1, KONAN, MINATO-KU,
(32) Priority Date	:18/05/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MASATSUGU SUWABE</b>
Filing Date	:NA	<b>2)HIROSHI NAKAYAMA</b>
(87) International Publication No	:NA	<b>3)TAKAHIRO IGARI</b>
(61) Patent of Addition to Application Number	:NA	<b>4)TERUYUKI OTA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An optical recording medium includes : a substrate having a first principal surface and a second principal surface; one or plural information signal layers formed on the first principal surface of the substrate for undergoing recording or reproduction of information signals upon irradiation with light; and a barrier layer formed on the second principal surface of the substrate for suppressing the gas release from the second principal surface of the substrate, wherein an area of a region exposing from the barrier layer of the second principal surface of the substrate is not more than 688 mm2.

No. of Pages : 62 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.1177/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METERABLE FIBROUS MATERIAL

(51) International classification

:D21H

(31) Priority Document No

:12/480,539

(32) Priority Date

:08/06/2009

(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)WEYERHAEUSER NR COMPANY**

Address of Applicant :33663 WEYERHAEUSER WAY S,  
FEDERAL WAY, WA 98003, U.S.A.

(72)Name of Inventor :

**1)CHRISTOPHER A. MANN**

**2)DAVID G. MARSH**

**3)ROBERT T. HAMILTON**

**4)CHARLES E. MILLER**

**5)HARSHADKUMAR SHAH**

(57) Abstract :

A particle or particles of cellulosic wood pulp fibers having a top and bottom face and a hexagonal perimeter, and methods of using it.

No. of Pages : 12 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.1178/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STAPLE CARTRIDGE

(51) International classification	:B25C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-128858	<b>1)MAX CO., LTD.</b> Address of Applicant :6-6, NIHONBASHIHAKOZAKI-CHO, CHUO-KU, TOKYO 103-8502, JAPAN
(32) Priority Date	:28/05/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)FUTOSHI KAMEDA</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 staple cartridge is provided with: a refill which houses in a wound manner a staple sheet formed by coupling a plurality of straight staples and includes a guide passage for carrying out the staple sheet; and a cartridge body which includes a feeding passage for guiding the staple sheet carried out from the refill via the guide passage to a position of driving out by the driver. The guide passage is communicated with the feeding passage when the refill is attached to the cartridge body, and the refill is attached to and detached from the cartridge body from a direction different from a direction along which the guide passage and the feeding passage are communicated.

No. of Pages : 41 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2010

(21) Application No.1364/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : REGULATION OF GENERATING PLANT

(51) International classification	:H02P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/492,176	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:26/06/2009	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)LARSEN EINAR VAUGHN</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 and system are disclosed that enable the regulation of the temperature of transmission equipment (103) connected to a generating plant (102). In one embodiment, a method includes obtaining a temperature of transmission equipment (103) connected to a generating plant (102) and regulating the output of the generating plant (102) in response to the temperature exceeding a threshold level to reduce the temperature of the transmission equipment (103) to below the threshold level.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.143/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : TELEVISION DEVICE AND STAND

(51) International classification	:F16M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-019251	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:29/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HIDETOSHI TAKASHIMA</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 television device includes a flat-plate main body, and a stand supporting the main body. The stand includes: a base member including a bottom face section and a pair of bearing sections projecting upward from the bottom face section; a shaft member bridged between the bearing sections; an arm member including a leg section rotatably fixed to the bearing sections, and a body section provided to bend from the leg section, provided with a lower screw hole and an upper screw hole, and fixed to the support object; and a receiving member including a lower section provided on the bottom face section, a middle section upstanding at a first angle from the lower section and including a first screw hole corresponding to the lower screw hole, and an upper section provided at a second angle from an upper end of the middle section and provided with a second screw hole corresponding to the upper screw hole.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1562/DEL/2010 A

(43) Publication Date : 20/09/2013

---

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

---

(51) International classification	:B65H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-162843	<b>1)MURATA MACHINERY, LTD</b>
(32) Priority Date	:09/07/2009	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)KAWAMOTO KENJI</b>
(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 yarn winding machine includes a first abnormal-state-indicating and restarting section and a second abnormal-state-indicating and restarting section. The first abnormal-state-indicating and restarting section is switched from a normal state indication to an abnormal state indication at least when a malfunction has been caused by a yarn supply source, and is switched to the normal state indication and switches the yarn winding machine from a stopped state to an operating state when being operated during the abnormal state indication. The second abnormal-state-indicating and restarting section is switched from a normal state indication to an abnormal state indication at least when a malfunction has been caused by a winding bobbin, and is switched to the normal state indication and switches the yarn winding machine from the stopped state to the operating state when being operated during the abnormal state indication. By using the above-described structure, a mismatch between the required operation to be performed to the yarn winding machine to fix a malfunction and the operation performed to the yarn winding machine is prevented. Accordingly productivity of the yarn winding machine is improved.

No. of Pages : 55 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1255/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CENTER-TAPERED BATTERY AND POWER DISTRIBUTION SYSTEM FOR SAME

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(51) International classification	:H01R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/504,181	<b>1) HAMILTON SUNDSTRAND CORPORATION</b>
(32) Priority Date	:16/07/2009	Address of Applicant :ONE HAMILTON ROAD, WINDSOR LOCKS, CONNECTICUT 06096 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1) COHEN FRED</b>
Filing Date	:NA	<b>2) LU CHENG-YI</b>
(87) International Publication No	:NA	<b>3) METCALF KENNETH JOHN</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 battery for a power distribution system includes a cell assembly having a positive terminal and a negative terminal that together provide a relative battery DC voltage. A neutral tap is electrically connected to the cell assembly between the positive and negative terminals, splitting the voltage into positive and negative voltages. The positive terminal is at a positive DC voltage greater than the neutral tap. The negative voltage is at a negative DC voltage less than the neutral tap. The relative battery DC voltage is greater than each of the relative voltages between the neutral tap and each of the positive and negative DC voltages.

No. of Pages : 10 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1382/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPLAY APPARATUS AND PLANAR ILLUMINATION APPARATUS

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(51) International classification	:F21V	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	164052	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:10/07/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SHINPEI NAGATANI</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 display apparatus is provided which includes a plurality of transparent plates which are disposed to be superimposed and which allow entered light to pass therethrough and allow the light to exit through an exiting surface, light sources provided for the respective transparent plates to irradiate light onto a side end surface of each of the transparent plates, and a plurality of diffusion portions, each of which is formed on a surface of each of the transparent plates facing the exiting surface, and which diffuse light from the light sources such that a position of maximum luminance of light exiting from each of the transparent plates differs between the transparent plates.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1384/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : INTERACTIVE INPUT SYSTEM AND COMPONENTS THEREFOR

(51) International classification

:G06F

(31) Priority Document No

:61/187,262

(32) Priority Date

:15/06/2009

(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 :

An interactive input system comprises a display panel comprising touch surfaces on opposite major sides of the display panel, a touch detection arrangement to detect touch input made on one or more of the touch surfaces and processing structure communicating with the touch detection arrangement and processing data for locating each touch input.

No. of Pages : 45 No. of Claims : 10

(71)**Name of Applicant :**

**1)SMART TECHNOLOGIES ULC**

Address of Applicant :3636 RESEARCH ROAD, N.W.,  
CALGARY, ALBERTA T2L 1Y1, CANADA

(72)**Name of Inventor :**

**1)ROBERTO A. L. SIROTICH**

**2)WALLACE I. KROEKER**

**3)JOE WRIGHT**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.145/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CASTING METHOD AND CASTING APPARATUS

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(51) International classification	:B22D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-011751	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:22/01/2010	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	:NA	<b>1)TOMONORI SAKAI</b>
Filing Date	:NA	<b>2)MOTOAKI IOROI</b>
(87) International Publication No	:NA	<b>3)KOICHI KUROKI</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DAISUKE IMANISHI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

A casting apparatus (10A) has a long cooling jig (18) inclined with respect to a vertical direction. A melt (34) is supplied to and flowed on a bottom surface (36a) of the cooling jig (18), whereby a solid phase is generated in the melt (34) to obtain a semi-solid slurry (48), and the semisolid slurry (48) is transferred into and solidified in a cavity (24) of a mold (12) to obtain a casting. The casting apparatus (10A) further has a release agent application unit (42), and a release agent (44) is applied by the application unit (42) to the bottom surface (36a) of the cooling jig (18) in a direction toward a supply of the melt (34) at an angle of less than 90° to the bottom surface (36a) before supplying the melt (34) to the cooling jig (18).

No. of Pages : 127 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2010

(21) Application No.1580/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ELETRIPTAN HYDROBROMIDE

(51) International classification	:A61K
(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)IND-SWIFT LABORATORIES LIMITED**

Address of Applicant :S.C.O. NO. 850, SHIVALIK  
ENCLAVE, NAC MANIMAJRA, CHANDIGARH-160 101  
Punjab India

(72)Name of Inventor :

**1)BHIRUD SHEKHAR BHASKAR**

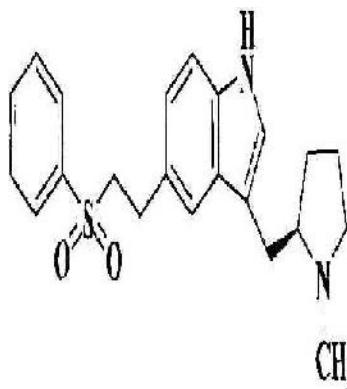
**2)JOHAR PERMINDER SINGH**

**3)SHARMA EKTA**

**4)PRAJAPATY RAMKARAN**

(57) Abstract :

The present invention relates to an improved and industrially advantageous process for preparation of eletriptan of formula I, or pharmaceutically acceptable salts thereof from bromo indole intermediate of formula II, through isolation of N-acetylated bromo indole intermediate of formula III, to elide carrying forward of impurities to next stage. The present invention also relates to novel process for preparation of a-form of eletriptan hydrobromide.



Formula I

No. of Pages : 46 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1204/DEL/2010 A

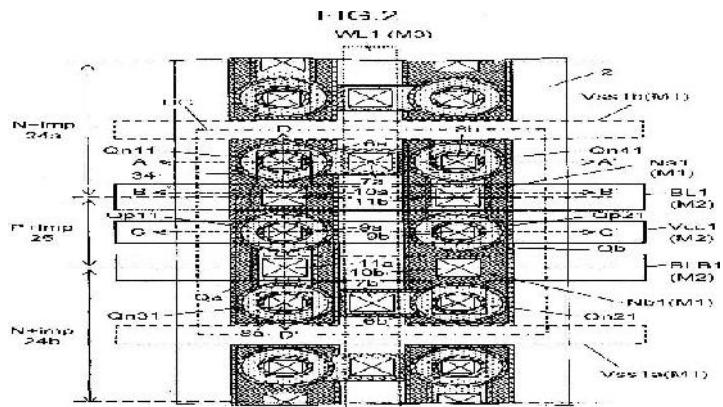
(43) Publication Date : 20/09/2013

(54) Title of the invention : SEMICONDUCTOR MEMORY DEVICE AND PRODUCTION METHOD THEREFOR

(51) International classification	:H01L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-123882	<b>1)UNISANTIS ELECTRONICS (JAPAN) LTD.</b>
(32) Priority Date	:22/05/2009	Address of Applicant :2ND FLOOR, FUJI-LIGHT SHINKAWA BUILDING, 22-11, SHINKAWA 1-CHOME, CHUO-KU, TOKYO 104-0033 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)MASUOKA FUJIO</b> <b>2)ARAI SHINTARO</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 :

In a static memory cell comprising six MOS transistors, the MOS transistors have a structure in which the drain, gate and source formed on the substrate are arranged in the vertical direction and the gate surrounds the columnar semiconductor layer, the substrate comprises a first active region having a first conductive type and a second active region having a second conductive type, and diffusion layers constructing the active regions are mutually connected via a silicide layer formed on the substrate surface, thereby realizing an SRAM cell with small surface area. In addition, drain diffusion layers having the same conductive type as a first well positioned on the substrate are surrounded by a first anti-leak diffusion layer and a second anti-leak diffusion layer having a conductive type different from the first well and being shallower than the first well, and thereby controlling leakage to the substrate.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1524/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD FOR ENHANCING OCTANE NUMBER OF GASOLINE

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(51) International classification

:C10L

(31) Priority Document No

:11/427,843

(32) Priority Date

:30/06/2006

(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

:2396/DEL/2006

Filed on

:03/11/2006

(71)Name of Applicant :

**1)AFTON CHEMICAL CORPORATION**

Address of Applicant :500 SPRING STREET, RICHMOND,  
VIRGINIA 23219, U.S.A.

(72)Name of Inventor :

**1)ALLEN A. ARADI**

(57) Abstract :

A method for enhancing octane number of gasoline comprising: (a) combining cyclopentadienyl manganese tricarbonyl and methylcyclopentadienyl manganese tricarbonyl to form a synergistic mixture, and (b) adding said combination to the gasoline.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/07/2010

(21) Application No.1590/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : BOTH DAIDZIN AND DAIDZEIN INHIBIT NF-KB GENE EXPRESSION.

(51) International classification	:C12N	(71) Name of Applicant :
(31) Priority Document No	:NA	1) COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG NEW DELHI-110001, INDIA
(33) Name of priority country	:NA	2) VISVA-BHARATI: SANTINEKETAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1) BHATTACHARYA, SUSHMITA
(87) International Publication No	:NA	2) DASGUPTA, SUMAN
(61) Patent of Addition to Application Number	:NA	3) BARMA, POMY
Filing Date	:NA	4) BISWAS, ANINDITA
(62) Divisional to Application Number	:NA	5) PAL, BIKASH CHANDRA
Filing Date	:NA	6) BHATTACHARYA, SHELLEY
		7) BHATTACHARYA, SAMIR
		8) BORDOLOI, MANOBJYOTI
		9) BARUA, NABIN CHANDRA
		10) RAO, PARUCHURI GANGADHAR

(57) Abstract :

The present invention discloses a method of inhibition of synthesis of NF- kB by inhibiting its gene expression using isoflavones Daidzein and Daidzin. Daidzein, a non toxic dietary supplement isoflavone of the structure 1, and 7-O--glucopyranosyl daidzein of the structure 2 are novel inhibitors of NF- kB which blocks the synthesis of NF- kB by inhibiting its gene expression and have no toxic effect. Both daidzein of the structure i and daidzin of the structure 2 ameliorate palmitate induced overexpression of NF- kB in skeletal muscle cells by eliminating the inhibition of NF- kB on insulin stimulated glucose uptake. Daidzein inhibits NF- kB expression in prostate and breast cancer cells that increased mortality of these cancer cells. Daidzin of the structure 2 has very good bioavailability over daidzein of structure 1.. Daidzein of the structure ± is not absorbed when orally fed to mice as it is eliminated from the gut through glucuronidation process catalyzed by UGT1. Daidzin of the structure 2 is glucosylated daidzein and is protected from UGT1 mediated degradation and is hydrolysed to daidzein which is absorbed and remains for more than 4 hours in blood and is expected to be distributed to different tissues and organs. Daidzein of the structure 1 and daidzin of the structure 2 reduce palmitate stimulated increased synthesis of NF-kB significantly. Daidzein inhibits formation of NF- kB -DNA complex stimulated by palmitate and both daidzein and daidzin inhibited NF- kB expression which leads to reduction of its DNA binding. Daidzein of the structure 1 was obtained from soy leaves through chromatography and both natural and synthetic daidzein and daidzin have same biological activities.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/07/2010

(21) Application No.1591/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A TIME STAMPING DEVICE FOR PRECISELY TIME MARKING AN EVENT SUCH AS SEISMIC SOUNDING IN GEOPHYSICAL EXPERIMENTS.

(51) International classification	:G01V	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA.
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	1)B VIJAYA GOPAL
(61) Patent of Addition to Application Number	:NA	2)MADAN MOHAN DIXIT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for precise timestamping of an event such as seismic triggering to estimate the subsurface density and elasticity, which comprises of a Global Positioning System (GPS) receiver (1), the said GPS receiver (1) being directly connected to a microcontroller(3) and also connected to said microcontroller through a 2p-2w switch(9) and a signal level converter to convert TTL logic levels (8), the said a microcontroller embedded with inbuilt software such as herein described, the said 2p-2w switch(9) being also connected with a personal computer (7), the said microcontroller(3), a seismic trigger device(2) on one side being connected to said microcontroller(3) through opto coupler(10), the said seismic trigger device(2) on other side being provided connection to detonator, an LCD display(4) being connected to the said microcontroller(3) for displaying the event time, a reset being provided between the GPS receiver (1) microcontroller(3) a rechargeable battery(5) with three terminal voltage regulator(6) being provided power to the said microcontroller GPS receiver , seismic trigger device(2) and LCD display (4).

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1412/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A METHOD FOR CONTINUOUS PRODUCTION OF DIMETHYL ETHER OVER SOLID ACID CATALYST THROUGH DEHYDRATION OF METHANOL

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:200910237083.5	1)DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES Address of Applicant :NO. 457 ZHONGSHAN ROAD, DALIAN, 116023, PEOPLES REPUBLIC OF CHINA
(32) Priority Date	:04/11/2009	(72)Name of Inventor :
(33) Name of priority country	:China	1)ZHU, SHUKUI 2)LIU, ZHONGMIN 3)XU, LEI 4)SUN, XINDE 5)WEI, YINGXU 6)YANG, YUE 7)ZHANG, YING
(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 method for continuous production of dimethyl ether over solid acid catalyst through dehydration of methanol, comprising performing a reaction for continuous production of dimethyl ether over a solid acid catalyst through dehydration of methanol in a reactor under a condition of a reaction pressure of 0.2-4.0 MPa, a reaction temperature of 120-400°C and a feeding weight space velocity of 0.1 -20.0 h-1, wherein the reactor is packed with a solid acid catalyst in sections and an inert filler layer is packed above each section of a catalyst layer, wherein, a shock chilling material is contacted with the solid acid catalyst after passing through the inert filler layer. The present invention controls the temperature of gas-phase reaction catalyst bed in a predetermined range by packing a solid acid catalyst in sections and using a shock chilling material. When a reaction is performed under a condition of a relatively high methanol conversion and a suitable reaction temperature, the even control over the temperature of the catalyst bed can reduce the occurrence of side reactions and extend the catalyst life.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2010

(21) Application No.1475/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF FLUORINATED COMPOUNDS

(51) International classification	:C07D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09.55139	<b>1)ARKEMA FRANCE</b>
(32) Priority Date	:23/07/2009	Address of Applicant :420 RUE D'ESTIENNE D'ORVES
(33) Name of priority country	:France	92700 COLOMBES, FRANCE
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AVRIL, KARINE</b>
(87) International Publication No	:NA	<b>2)COLLIER, BERTRAND</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A subject-matter of the invention is a process for the preparation of 2,3,3,3-tetrafluoro-1-propene comprising the following stages: (i) hydrogenation of hexafluoropropylene to give 1,1,1,2,3,3-hexafluoropropane; (ii) dehydro-fluorination of the 1,1,1,2,3,3-hexafluoropropane obtained in the preceding stage to give 1,2,3,3,3-pentafluoro-1-propene; (iii) hydrogenation of the 1,2,3,3,3-pentafluoro-1-propene obtained in the preceding stage to give 1,1,1,2,3-pentafluoropropane; (iv) purification of the 1,1,1,2,3-pentafluoropropane obtained in the preceding stage; and (v) dehydrofluorination of the 1,1,1,2,3-pentafluoropropane obtained in the preceding stage to give 2,3,3,3-tetrafluoro-1-propene; and (vi) purification of the 2,3,3,3-tetrafluoro-1-propene of the preceding stage.

No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2010

(21) Application No.1476/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : GAS INSULATED SWITCHING APPARATUS

(51) International classification	:H02B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-155568	<b>1)KABUSHIKI KAISHA TOSHIBA.</b> Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN
(32) Priority Date	:30/06/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)FUKUNAGA MASAYUKI</b> <b>2)OKANARI NOBUAKI</b> <b>3)KOMAKI AZUMI</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 flexible tube (7) made of a metal bellows made of austenitic stainless steel with a high-flexibility coating applied thereto is employed as gas tubing sections (6a), (6b) connected with sealed containers (1a) to (3b). The flexible tube (7) is provided at both ends with freely rotatable flanges (70). Using these flanges (7b), the gas tubing is connected with gas ports (8) of the sealed containers. The resistance of the stainless steel flexible tube is high in comparison with copper tubing, and the sheath current can thus be reduced. High-flexibility coating is applied to the outside of the flexible tube. Bending processing of the flexible tube is possible even after coating and weatherability is thereby improved. The support interval of the gas tubing is at least 1 m. Resonance of the gas tubing caused by the frequency of the mains power system thus cannot occur.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1604/DEL/2010 A

(43) Publication Date : 20/09/2013

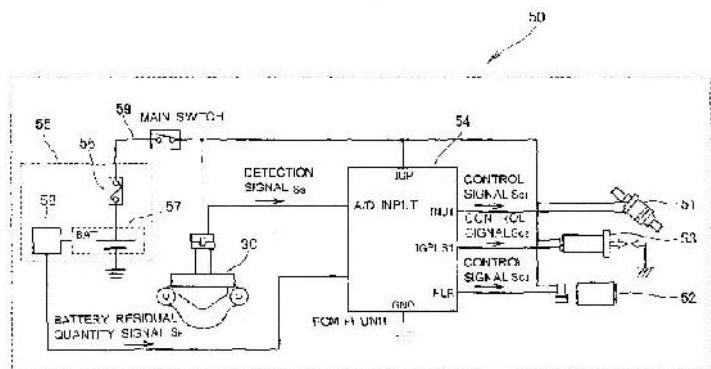
(54) Title of the invention : ELECTRIC APPARATUS OF VEHICLE

(51) International classification	:B60L	(71) Name of Applicant :
(31) Priority Document No	:2009-198369	1) HONDA MOTOR CO., LTD., Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO 107-8556, JAPAN
(32) Priority Date	:28/08/2009	(72) Name of Inventor :
(33) Name of priority country	:Japan	1) KENTA ONISHI 2) YUICHI TAKEDA 3) AKIRA HAMAUZU 4) TOSHIYA NAGATSUYU 5) TETSUO TAKESHIGE
(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 :

To provide an electric apparatus of a vehicle, which takes measures for variation of voltage supplied to a sensor. [Solution] An electric apparatus 50 of a vehicle, for example, includes: an inclination sensor 30, which detects an inclination state of the vehicle; a fuel injector 51, which supplies fuel to an engine; a fuel pump 52, which supplied fuel to the fuel injector 51; an igniter 53, which ignites the engine by supplied fuel; a control part 54, which controls the operation of the fuel injector 51, the fuel pump 52 and the igniter 53 according to the detection information from the inclination sensor 30; and an electric power supply part 55, which supplies electric power to the inclination sensor 30, the fuel injector 51, the fuel pump 52, the igniter 53, and the control part 54. [Effect] The electric apparatus includes the control part, which ignores the detection information from the detecting sensor when the igniter performs the ignition. The control part can ignore the information concerning wrong detection probably caused when the output voltage applied to the sensor is below the operation ensuring voltage. [Selected Drawing] Fig. 6

FIG. 6



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1009/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :27/04/2010

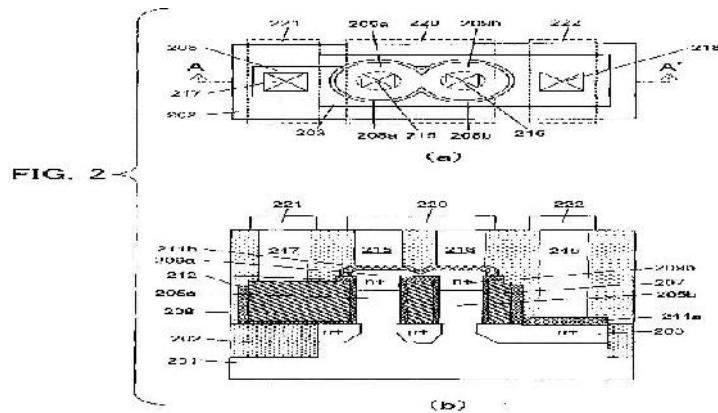
(43) Publication Date : 20/09/2013

(54) Title of the invention : SEMICONDUCTOR DEVICE INCLUDING A MOS TRANSISTOR AND PRODUCTION METHOD THEREFOR

(51) International classification	:H01L	(71) Name of Applicant :
(31) Priority Document No	:2009-109126	1)UNISANTIS ELECTRONICS (JAPAN) LTD. Address of Applicant :2F, FUJILIGHT SHINKAWA BLDG., 22-11, SHINKAWA 1-CHOME, CHUO-KU, TOKYO 104-0033, JAPAN
(32) Priority Date	:28/04/2009	
(33) Name of priority country	:Japan	
(86) International Application No Filing Date	:NA :NA	(72) Name of Inventor : 1)MASUOKA, FUJIO 2)ARAI, SHINTARO
(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 :

It is intended to provide a semiconductor device including a MOS transistor, comprising: a pillar-shaped semiconductor layer; one of drain and source regions which is formed underneath the pillar-shaped semiconductor layer to serve as a first drain/source region; a gate electrode formed around a sidewall of the pillar-shaped semiconductor layer through a first dielectric film; an epitaxial semiconductor layer formed on top of an upper surface of the pillar-shaped semiconductor layer; and a remaining one of the drain and source regions which is formed so as to be at least partially in the epitaxial semiconductor layer to serve as a second drain/source region, wherein an area of an upper surface of the second drain/source region is greater than an area of the upper surface of the pillar-shaped semiconductor layer. FIG.2



No. of Pages : 97 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1222/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : INTEGRATED CONTROL APPARATUS FOR A HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM FOR VEHICLE

(51) International classification	:G05G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0108834	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231, YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA
(32) Priority Date	:11/11/2009	<b>2)KIA MOTORS CORPORATION,</b> <b>3)HALLA CLIMATE CONTROL DORP</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KIM MYUNG HOE</b> <b>2)KIM SEUNG WOOK</b> <b>3)LEE JEONG YEOP</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 an integrated control apparatus for a heating, ventilating, and air conditioning (HVAC) system for a vehicle in which a dual dial structure is applied to a dial type air conditioning control switch. According to the integrated control apparatus for an HVAC system for a vehicle of the present invention, an air flow control knob and a temperature control knob are arranged in a concentric circle such that when the air flow control know is rotated, a blower shaft is thereby rotated to operate a blower switch, and the blower switch turns on or off a blower or controls the rotational speed of the blower, and when the temperature control knob is rotated, a rotating holder is thereby rotated with respect to the blower shaft and the amount of rotation is transmitted to a cable through a pin shaft, a gear shaft, and an internal gear to operate a temperature control cam, thus controlling the interior temperature.

No. of Pages : 36 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1608/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF -CHLOROKETONES

(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 :

**1)P.I. INDUSTRIES LTD.,**

Address of Applicant :MILLENNIUM PLAZA, TOWER-A,  
SECTOR-27, GURGAON-122002, HARYANA, INDIA.

(72)Name of Inventor :

**1)SINGHAL, MAYANK**

**2)MITTAL, ANUJ KUMAR**

**3)KHATRI, DILIP**

**4)JAIN, ABHISHEK**

**5)NAGDA, JAI PRAKASH**

(57) Abstract :

A simple high yielding in situ process for the preparation of a-N-acyl-a-chloroketones from L-phenylalanine (LPA) is described. The a-chloroketones produced in accordance with the process of the invention are precursors of epoxide compounds present in many molecules therapeutically useful as inhibitors of Angiotensin Converting Enzyme (ACE), rennin and HIV-proteases.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1609/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : TWO-WAY SOLENOID VALUE

(51) International classification	:F16K
(31) Priority Document No	:200910204763.7
(32) Priority Date	:08/10/2009
(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)ZHEJIANG SANHUA CLIMATE & APPLIANCE  
CONTROLS GROUP CO., LTD.

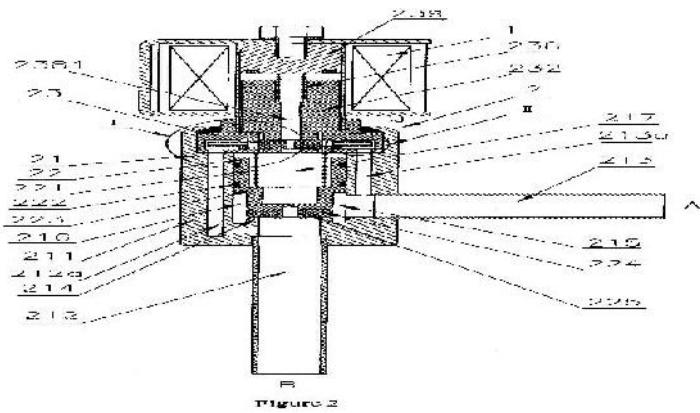
Address of Applicant :CHENGGUAN TOWN, XINCHANG  
COUNTY, ZHEJIANG PROVINCE 312500, P.R.CHINA

(72)Name of Inventor :

1)CHEN, BIN

(57) Abstract :

Disclosed is a two-way solenoid valve including a valve body, a sleeve, a coil, a movable core and a static core that are arranged within the sleeve, and a return spring arranged between the movable core and the static core. The valve body is provided with a valve chamber and a valve port therewithin. A sealing piston is provided within the valve chamber to open and close the valve port under the action of pressure difference. A valve guiding part is further provided. Variable flow control parts are provided inside chambers to block fluid passages under the action of springs inside the chambers. By using the valve guiding structural design and providing the variable flow control part, the disadvantages of long travel distance of the iron core, high requirements for manufacturing precision and complex structure, which existed in the prior art, may be overcome by the present invention. Furthermore, the variable flow control part may have various structures and be arranged within the solenoid valve or within system pipelines freely, and thus is convenient and flexible. (Abstract Figure: Figure 2)



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1633/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : FIBER REINFORCED PLASTIC-STRUCTURE AND A METHOD TO PRODUCE THE FIBER REINFORCED PLASTIC-STRUCTURE

(51) International classification	:F03D
(31) Priority Document No	:EP09010467
(32) Priority Date	:20/08/2009
(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

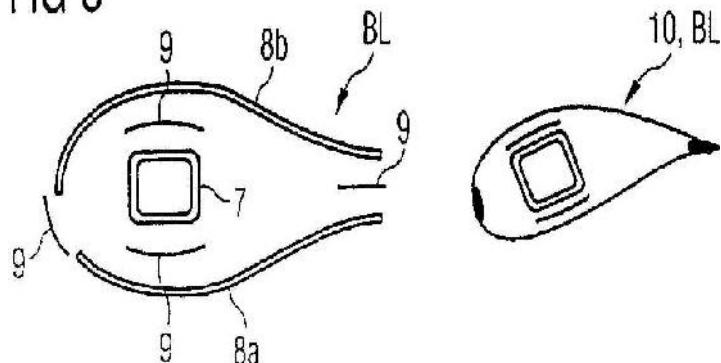
(72)Name of Inventor :

1)GROVE-NIELSEN; ERIK

(57) Abstract :

Fiber reinforced plastic-structure and a method to produce the fiber reinforced plastic-structure The invention relates to a fiber reinforced plastic-structure and to a method to produce the fiber reinforced plastic-structure, while at least two elements are used to build up the shape of the fiber reinforced plastic-structure. Two adjacent elements are connected via its contact-surfaces by an applied glue or resin. A mat is located between the contact-surfaces before the glue or resin is used to connect the elements. The mat comprises chopped fibers, which are oriented in a random manner.

FIG 3



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1634/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SAFETY INTERLOCKING DEVICE FOR A SWITCH

(51) International classification	:H01H
(31) Priority Document No	:200910171623.4
(32) Priority Date	:31/08/2009
(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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)LI; DI NAN

(57) Abstract :

The present invention provides a safety interlocking device for a switch, comprising a supporting member, an annular member, a locking lever, a limiting rod and a resilient member. A driving shaft of the switch can be arranged through the supporting member and the annular member, the annular member can be rotated synchronously with the driving shaft, and the annular member is further provided with a wing block. The locking lever can be hooked onto the safety device of the switch, the limiting rod can be rotated when pushed by the safety device, and the rotation of the limiting rod can make the locking lever rotate. When the switch is turned on, the locking lever hooks onto the safety device so that the latter cannot be opened; and when the switch is turned off, the locking lever releases the safety device, while one end of the limiting rod limits the rotation of the annular member, thus limiting the switch's turn-on operation. Only when the safety device is closed, can the switch carry out the turn-on operation. The safety interlocking device of the present invention is simple in structure and easy to produce, and it not only ensures the locking of the safety device when the switch is turned on, but also ensures that the switch cannot be turned on when the safety device is open, thus realizing overall protection.

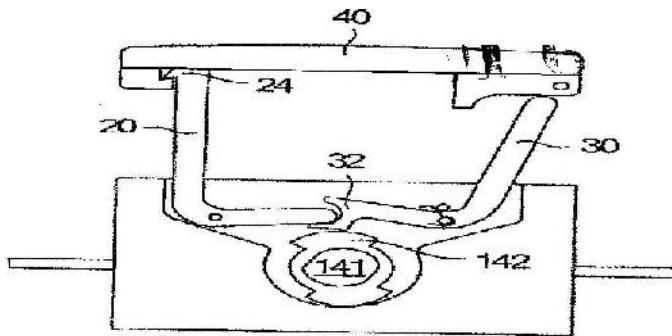


FIG. 2

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1635/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPLAY DEVICE AND DISPLAY METHOD

(51) International classification	:G09G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-189482	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:18/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KEN ONOGI</b>
(86) International Application No	:NA	<b>2)KOICHI TASHIRO</b>
Filing Date	:NA	<b>3)NAOYA OKAMOTO</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 :

Provided is a display device including a display mode controller for controlling a screen transition to a whole screen display mode for displaying an image in an entire screen of a display section, a multiple content display mode for displaying, on the screen, a plurality of thumbnail images related to contents, or a panel display mode for displaying, on the screen, a first panel on which information related to the contents is displayed, an information obtaining section for obtaining externally various information, and a panel display section for displaying the various information obtained in the whole screen display mode on a second panel.

No. of Pages : 61 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1636/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPLAY DEVICE AND DISPLAY METHOD

(51) International classification	:G06G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-189479	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:18/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KEN ONOGI</b>
(86) International Application No	:NA	<b>2)KOICHI TASHIRO</b>
Filing Date	:NA	<b>3)NAOYA OKAMOTO</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 :

Provided is a display device including a display mode controller for controlling a screen transition to a whole screen display mode for displaying an image in an entire screen of a display section, a multiple content display mode for displaying, on the screen, a plurality of thumbnail images related to contents, or a panel display mode for displaying, on the screen, a panel on which information related to the contents is displayed, and a thumbnail image shape determination section for determining a shape of the thumbnail image so that the shape of the thumbnail image indicates an arrangement configuration of the screen after the thumbnail image is selected in the multiple content display mode and a screen transition occurs.

No. of Pages : 63 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.150/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : STATOR ARRANGEMENT FOR AN ELECTROMECHANICAL TRANSDUCER, ELECTROMECHANICAL TRANSDUCER AND WIND TURBINE

(51) International classification	:H02J
(31) Priority Document No	:EP10157744
(32) Priority Date	:25/03/2010
(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

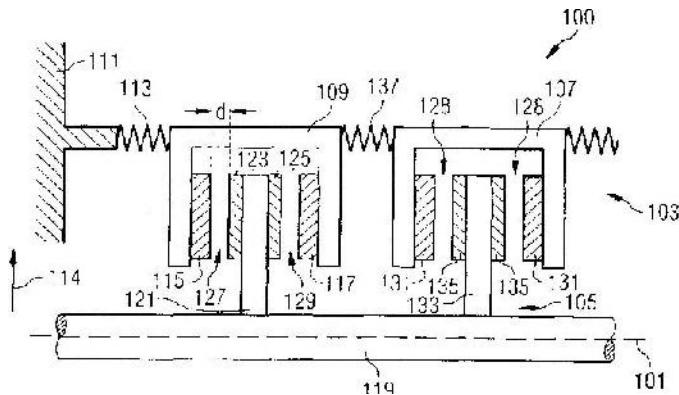
Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)STIESDAL; HENRIK

(57) Abstract :

Stator arrangement for an electromechanical transducer, electromechanical transducer and wind turbine. It is described a stator arrangement for an electromechanica transducer, in particular a generator for a wind turbine, wherein the stator arrangement comprises a base structure (111); a coil holder (109); a coil (115) mounted at the coil holder; and a flexible element (113) connecting the base structure to the coil holder flexibly relative to each other Further, an electromechanical transducer is described comprising a stator arrangement (103) and a rotor arrangement (105) rotatable relative to the base structure around an axial direction (101).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2010

(21) Application No.1501/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ROOF STRUCTURE FOR A CABRIOLET VEHICLE

(51) International classification	:B60J	(71)Name of Applicant :
(31) Priority Document No	:10 2009 035 043.8	1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY
(32) Priority Date	:28/07/2009	(72)Name of Inventor :
(33) Name of priority country	:Germany	1)CLAUS BAUMGART 2)TOBIAS KORLUSS 3)STEFAN POZSGAI 4)STEFAN EICHHOLZ
(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 roof structure for a cabriolet vehicle, having a top (10) which comprises a top material, with the top material being guided, in the closed state of the top (10), in sections by a substantially U-shaped corner bow (19) which extends transversely with respect to the longitudinal direction and adjacent to a rear window. According to the invention, lateral limbs (20) of the corner bow (19) can be plugged with their lower, free ends (21) into recesses in the region of B pillars or of B pillar linings of a body structure of the cabriolet vehicle, wherein molded elements (23) are plugged onto the lateral limbs (20) of the corner bow (19), which molded elements (23) firstly guide the top material of the top (10) in sections and secondly bear sealing elements (27) which interact with vertically running edges of side window panes.

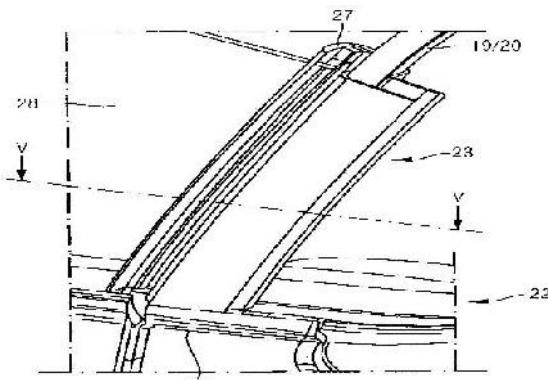


Fig. 3

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1637/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SEALING OF PINHOLES IN ELECTROLESS METAL COATINGS

(51) International classification

:C23C

(31) Priority Document No

:12/510,677

(32) Priority Date

:28/07/2009

(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)KOOL LAWRENCE BERNARD**

**2)GIORNI EUGENIO**

**3)GRAY DENNIS MICHAEL**

**4)SORBO FRANCESCO**

**5)TYSOE STEVEN ALFRED**

(57) Abstract :

The present invention provides a method for sealing pinholes in an electroless metal coating, said method comprising: (a) coating a substrate with an electroless metal coating layer to provide a coated article comprising an electroless metal coating in contact with the surface of the substrate, said electroless metal coating being characterized by the presence of pinhole imperfections which allow fluid communication between the substrate and the environment; (b) applying a layer of a curable epoxy sealant over the electroless metal coating layer and filling the pinhole imperfections; (c) curing the curable epoxy sealant to provide a cured epoxy overcoating layer; and (d) removing a substantial portion of the cured epoxy overcoating layer to provide an article comprising an electroless metal coating which is substantially free of pinhole imperfections allowing fluid communication between the substrate and the environment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1638/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD AND DEVICE FOR DISPLAYING DRIVING CONDITIONS OF A HYBRID VEHICLE

(51) International classification	:B60K
(31) Priority Document No	:10 2009 035 139.6
(32) Priority Date	:29/07/2009
(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)MAN TRUCK & BUS AG.

Address of Applicant :DACHAUER STRASSE 667, D -  
80995 MUNCHEN, GERMANY

(72)Name of Inventor :

1)KRUCKL, WOLFGANG

2)MICHEL, BRITTA

3)MOHRA, HOLGER

4)DORNER, KARLHEINZ

5)KERSCHL, STEFAN

6)DRIMML, PETER

(57) Abstract :

The present invention relates to a device and also a method for displaying driving conditions of a hybrid vehicle (16), with a display area (2) and an associated indicator means (3), and also with a control means (4) for controlling the indicator means (3). The invention is distinguished in that the current braking or acceleration condition is determined by means of the control means (4) and then displayed with the indicator means (3) on the unchangeable display area (2).

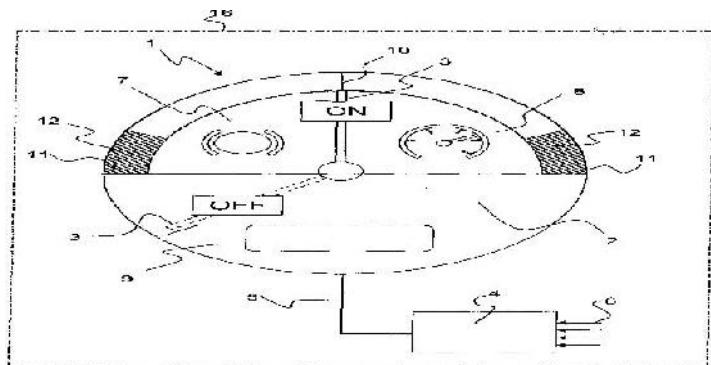


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2010

(21) Application No.1639/DEL/2010 A

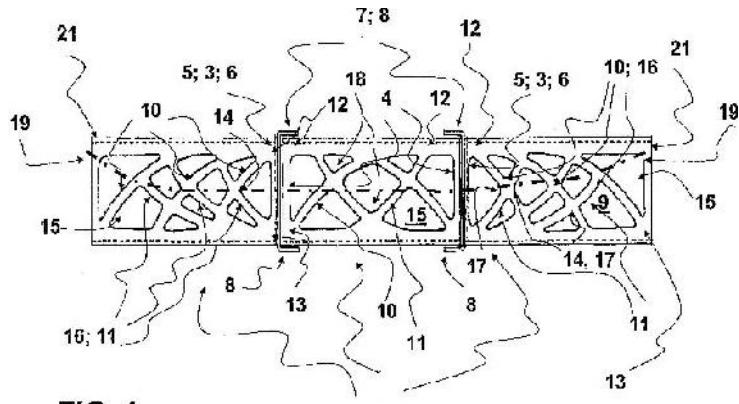
(43) Publication Date : 20/09/2013

(54) Title of the invention : SUPPORT PROFILE OF A CHASSIS FRAME

(51) International classification	:B60G	(71)Name of Applicant :
(31) Priority Document No	:10 2009	1)MAN TRUCK & BUS AG.
	033 826.8	Address of Applicant :DACHAURE STRASSE 667, D-80995
(32) Priority Date	:18/07/2009	MUNCHEN, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:NA	1)VRECKO, ALEXANDER
Filing Date	:NA	2)ACER, SERKAN
(87) International Publication No	:NA	3)ZIEHLKE, JURGEN
(61) Patent of Addition to Application Number	:NA	4)EBERLE, ANDREAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A support profile (1) of a chassis frame, in particular of a commercial vehicle, with a land (6) having at least one aperture (15), which land, for connection with a further support profile (1), has an abutment region (3). The imaginary tensile and/or compressive stress trajectories (10; 11) begin at the abutment region (3) and run in the plane (9) of the land (6). The tensile and/or compressive stress trajectories (10; 11) reflect the course of the force flux. The aperture (15) provided in the land (6) is delimited by at least two intersecting tensile and/or compressive stress trajectories (10; 11). The limbs (16) of the tensile and/or compressive stress trajectories (10; 11) are in the form of a parabolic notch (18) in the region (17) of the intersection (14).



**FIG. 1**

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/01/2011

(21) Application No.119/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD OF CONTROLLING MOTOR AND MOTOR CONTROLLING SYSTEM

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(51) International classification	:H03L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-009145	<b>1)SANYO DENKI CO., LTD.</b>
(32) Priority Date	:19/01/2010	Address of Applicant :C/O SANYO DENKI CO., LTD., 15-1, KITAOTSUKA 1-CHOME, TOSHIMA-KU, TOKYO 170-8451,
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)YUJI IDE</b>
(87) International Publication No	:NA	<b>2)MICHIO KITAHARA</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 current speed data generating section generates current speed data of a mover of a motor based on differential current position data generated by a differential current position data generating section. Immediately after a polarity determining section determines that a polarity has changed, the current speed data generating section sets the differential current position data output from the differential current position data generating section to zero during n sampling periods so as to generate the current speed data. After the n sampling periods pass, the current speed data generating section returns the differential current position data from zero to a value corresponding to actual data.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.131/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/01/2011

(43) Publication Date : 20/09/2013

(54) Title of the invention : WINDOW SURROUND OF A VEHICLE WINDOW WITH TRIM ELEMENT FOR DRAINING WATER

(51) International classification	:A47H
(31) Priority Document No	:10 2010 005 374.0
(32) Priority Date	:22/01/2010
(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)MAN TRUCK & BUS AG

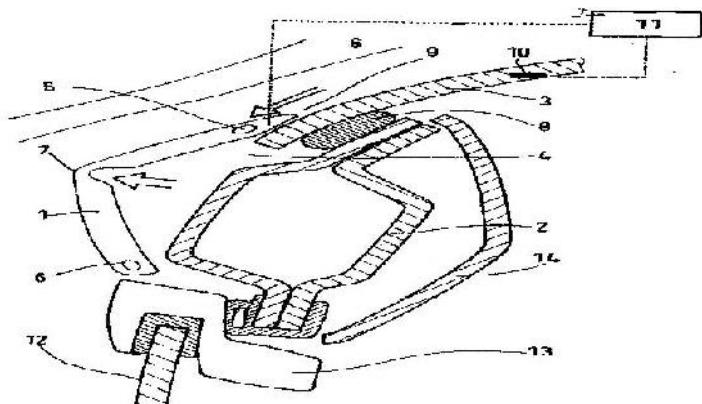
Address of Applicant :DACHAUER STRASSE 667, D -  
80995 MUNCHEN, GERMANY

(72)Name of Inventor :

1)OCHS, THOMAS

(57) Abstract :

A window surround for fastening a vehicle windscreen (3) to a vehicle body is described which has in each case lateral members (2), arranged laterally to a window aperture, an upper transverse member arranged above the window aperture and a lower transverse member arranged below the window aperture. In this case, a trim element (1) is provided on at least one lateral member (2), which element covers at least one region of transition (4) between the vehicle windscreen (3) and the lateral member (2) and at least at times ensures an at least low-turbulence flow around the region of transition (4) and/or around the lateral member (2) by an air stream flowing away sideways from the vehicle windscreen (3). The technical solution described is distinguished in that the trim element (1) in the oncoming flow region (9) of the air stream is at an at least largely constant distance from the vehicle windscreen (3), is arranged at least partially movably and is mounted such that it can be switched from a first position, which ensures an at least low-turbulence flow around at least the region of transition (4), into a second position which brings about a flow separation of the air stream flowing away sideways.



No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.144/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : POSITION INDICATOR

(51) International classification	:G01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-278002	<b>1)WACOM CO., LTD.</b> Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN
(32) Priority Date	:14/12/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)YASUO ODA</b> <b>2)MASAKI YAGI</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 indicator is provided for use with a position detecting sensor that carries out position detection by detecting a change in capacitance. The position indicator includes: a first electrode configured to receive an alternating-current (AC) signal from the position detecting sensor; a signal enhancing processing circuit configured to subject the AC signal received via the first electrode to determined signal enhancing processing; and a second electrode different from the first electrode and configured to be supplied with a signal output from the signal enhancing processing circuit. An enhanced signal having a determined correlation with the AC signal received via the first electrode from the position detecting sensor is formed while the enhanced signal is sent out to the position detecting sensor via the second electrode.

No. of Pages : 54 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1643/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A LEATHER WARE EDGE FOLDER.

(51) International classification	:B29B
(31) Priority Document No	:200920161379.6
(32) Priority Date	:17/07/2009
(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)EASTERN CITY INDUSTRIES LIMITED**

Address of Applicant :FLAT/RM 2720, 27/F., METROPOLE  
SQUARE, 2 ON YIU STREET, SHEK MUN, SHATIN, NT,  
HONG KONG (China)

(72)Name of Inventor :

**1)CHU, WAI KAI**

(57) Abstract :

The present invention relates to a leatherware edge folder, comprising a frame, an automatic glue spraying device, an automatic edge folding device and an automatic line pressing device. The whole leatherware edge folder formed by the automatic glue spraying device, the automatic line pressing device and the automatic edge folding device on the frame is in place of the processes such as man-made glue application, edge folding and line pressing, thus it is capable of avoiding the deviation due to artificial factors and improving the production efficiency of processing and accuracy of product orientation as well as applying to mass production with middle and high output. When in use, it is only required to manually locate the leather goods body in a designated position and switch on power, making it simple in operation. Moreover, an automatic cleaning tank and a water curtain tank are designed in the automatic conveyance belt mechanism, wherein the automatic cleaning tank can remove useless matter on certain object by means of certain solution or substance so as to realize automatic cleaning function; the water curtain tank can generate waterfall to filter water-soluble substances in the air so as to achieve the glue filtration function.

No. of Pages : 60 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2010

(21) Application No.1516/DEL/2010 A

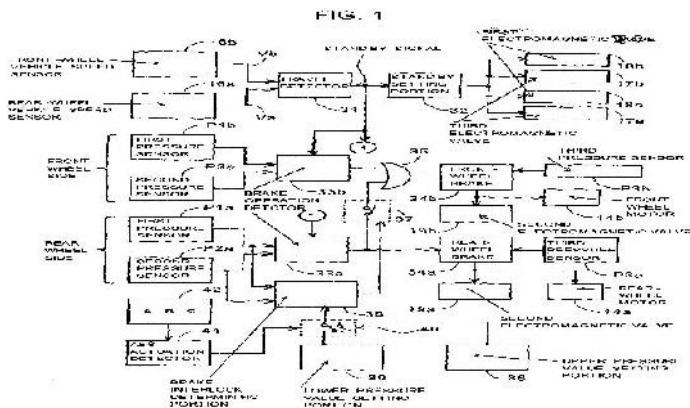
(43) Publication Date : 20/09/2013

(54) Title of the invention : BRAKE CONTROL DEVICE FOR MOTORCYCLE

(51) International classification	:B60T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-190039	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:19/08/2009	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)YUTAKA NISHIKAWA</b> <b>2)KAZUYA TAKENOUCHI</b> <b>3)TAKEHIKO NANRI</b> <b>4)KAZUHIKO TANI</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 prevent deterioration of sports driving performance due to the actuation of an ABS in a front- and rear-wheel interlocking brake system of a brake-by-wire system. [Solution] A brake interlock determining portion 36 starts a front-wheel brake when input hydraulic pressure by a brake operation (pedal operation) on a rear-wheel becomes equal to or greater than an interlocking brake starting pressure value. A threshold selecting switch 40 allows switching of the interlocking brake starting pressure value between when the ABS is active and when the ABS is inactive. When the ABS is active, a lower pressure value is selected as the interlocking brake starting pressure value. When the ABS is inactive, an upper pressure value is selected as the interlocking brake starting pressure value.



No. of Pages : 43 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2010

(21) Application No.1582/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR BUILT IN SELF TEST FOR TIMING MODULE HOLDOVER

(51) International classification	:G01R
(31) Priority Document No	:12/497,980
(32) Priority Date	:06/07/2009
(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)NORTEL NETWORKS LIMITED**

Address of Applicant :2351 BOULEVARD ALFRED-NOBEL, ST. LAURENT, QUEBEC H4S 2A9, CANADA

(72)**Name of Inventor :**

**1)CHARLES NICHOLLS**

**2)PHILIPPE WU**

(57) Abstract :

Embodiments of the invention include a method for use in a device having a local oscillator. The method includes performing, for the local oscillator that is disciplined by an external reference signal, while locked to the external reference signal, training at least two mathematical models of the oscillator to determine a predicted correction signal for each mathematical model based at least in part on a correction signal that is a function of the external reference signal and which is used to discipline drift in the oscillator. The method also includes selecting a mathematical model of the at least two mathematical models that results in a smallest time error when disciplining the oscillator to use when the external reference signal is unavailable and an alternative correction signal is to be used to discipline drift in the oscillator. The method further includes testing the selected mathematical model using a sampled version of the correction signal such that the selected mathematical model can be used without the need for a testing duration that is in addition to a period of time used for the training.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2010

(21) Application No.1584/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SYSTEM FOR THE CIRCULATION OF FILTERED AIR INSIDE THE WIND TURBINE

(51) International classification

:F03D

(31) Priority Document No

:P200901539

(32) Priority Date

:06/07/2009

(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 & TECHNOLOGY, S.L.**

Address of Applicant :AVENIDA CIUDAD DE LA  
INNOVACION, 9- 11, 31621 SARRIGUREN (NAVARRA)  
SPAIN.

(72)Name of Inventor :

**1)LANDETA MANZANO, BENAT**

**2)ALVAREZ ALONSO, OSCAR**

(57) Abstract :

System for the circulation of filtered air inside the wind turbine (1) of a quality which is free from particles of sand and dust, for the ventilation of components in the turbines interior. The system (6) is hardly invasive, is installed at the door (3) which leads inside the tower (2) of a wind turbine (1), or, alternatively, this door (3) may be substituted by a door equipped with the system (6). The system (6) allows for regulating the air flow input, as well as for varying the efficiency of the filtration depending on the conditions demanded by the place where the wind turbine is located (1).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1654/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SPINNING MACHINE

(51) International classification	:D01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-188450	<b>1)MURATA MACHINERY, LTD</b> Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN
(32) Priority Date	:17/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)OKA MASAKI</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 spinning frame includes a yarn accumulating roller 21, a yarn hooking member, a yarn removing lever 28, a suction pipe 44, and a unit controller. The hooking member can wind a spun yarn 10 around the yarn accumulating roller 21. The yarn removing lever 28 can remove the spun yarn 10 from the yarn hooking member. The suction pipe 44 can catch a yarn end of the spun yarn 10 and includes a twisting nozzle capable of applying twists to the caught spun yarn 10. The unit controller controls the twisting nozzle to operate while the spun yarn 10 caught by the suction pipe 44 is being wound around the yarn accumulating roller 21, and controls the twisting nozzle to stop before the yarn removing lever 28 removes the spun yarn 10 from the yarn hooking member.

No. of Pages : 45 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1525/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A METHOD OF CONTROLLING OPERATION OF A VEHICLE

---

(51) International classification

:F02D

(31) Priority Document No

:0911283.0

(32) Priority Date

:30/06/2009

(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)MERITOR TECHNOLOGY, INC.**

Address of Applicant :2135 WEST MAPLE ROAD, TROY  
48084 MICHIGAN, U.S.A.

(72)Name of Inventor :

**1)ROBERTO GIANONE**

**2)CHIARA CESARI**

**3)MARCO BASSI**

**4)MARCO FRATELLI**

(57) Abstract :

A method of controlling a fluid level around a transmission gear of a vehicle including the steps of (a) providing a set of predetermined operating conditions, each predetermined operating condition having a corresponding predetermined fluid level requirement, (b) operating the vehicle at an actual operating condition, (c) determining a predetermined operating condition equivalent to the actual operating condition, (d) arranging the fluid level around the transmission gear to be equivalent to the predetermined fluid level requirement corresponding to said predetermined operating condition.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1526/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : HYGIENE COMPLIANCE MONITORING SYSTEM

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(51) International classification

:G06F

(31) Priority Document No

:12/494,693

(32) Priority Date

:30/06/2006

(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

:NA

Filing Date

: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)TODD J. CARTNER**

**3)CHIP CURTIS**

(57) Abstract :

A hygiene compliance monitoring system provides a dispenser that is associated with a data collection unit that collects dispensing events, such as the dispensement of material from the dispenser, which occurs during time segments of a predetermined duration. The hygiene event monitoring system also includes a portable data acquisition unit that is in wireless communication with the data collection unit of the dispenser. As such, when the data acquisition unit is brought within the range of reception of the data collection unit, the hygiene compliance data and time segment information are transmitted to the data acquisition unit and stored at a portable memory unit, which is removable. As such, the hygiene compliance data stored on the portable memory unit can be readily transferred to any desired computing device for analysis and report generation.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1527/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : AN AXLE

(51) International classification

:B60G

(31) Priority Document No

:0911278.0

(32) Priority Date

:30/06/2009

(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)MERITOR TECHNOLOGY, INC.**

Address of Applicant :2135 WEST MAPLE ROAD, TROY,  
MI 48084, U.S.A.

(72)Name of Inventor :

**1)ROBERTO GIANONE  
2)CHIARA CESARI  
3)MARCO BASSI  
4)MARCO FRATELLI  
5)STEFANO MARTINELLO**

(57) Abstract :

An axle having a central crown wheel receiving portion with a pinion side and an opposite side, the opposite side being defined by a first crown wheel bowl for receiving a part of a crown wheel, the first crown wheel bowl having a peripheral edge, the axle including a second crown wheel bowl for receiving said part of the crown wheel, the second crown wheel bowl being nested with the first crown wheel bowl and being attached to the first crown wheel bowl at the peripheral edge to define a reservoir.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1528/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : TRANSMISSION SYSTEM

(51) International classification

:H04B

(31) Priority Document No

:0911281.4

(32) Priority Date

:30/06/2009

(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)MERITOR TECHNOLOGY, INC.**

Address of Applicant :2135 WEST MAPLE ROAD, TROY  
48084 MICHIGAN, U.S.A.

(72)Name of Inventor :

**1)ROBERTO GIANONE**

**2)CHIARA CESARI**

**3)MARCO BASSI**

**4)MARCO FRATELLI**

(57) Abstract :

A transmission system including a housing having a sump, the housing containing a crown wheel and pinion, the transmission system further including an oil reservoir and a pump selectively operable to pump fluid from the oil reservoir to the sump for lubricating the crown wheel, the pump also being selectively operable to pump fluid from the sump to the reservoir.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2010

(21) Application No.1660/DEL/2010 A

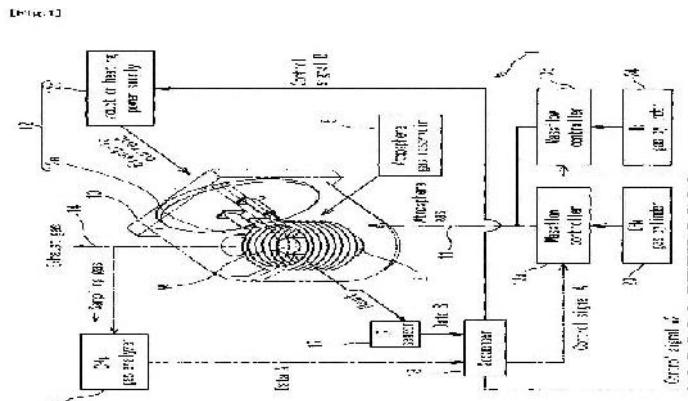
(43) Publication Date : 20/09/2013

(54) Title of the invention : GAS CARBURIZING PROCESSING APPARATUS AND METHOD OF GAS CARBRISING

(51) International classification	:F27B	(71)Name of Applicant :
(31) Priority Document No	:2009-172272	1)KOYO THERMO SYSTEMS CO., LTD, Address of Applicant :229, KABATA-CHO, TENRI-SHI, NARA 632-0084, JAPAN
(32) Priority Date	:23/07/2009	(72)Name of Inventor :
(33) Name of priority country	:Japan	1)RYOUSUKE YAMAMOTO AND SHOHEI TSUJI
(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 is directed to providing a method of gas carburizing and a gas carburizing processing apparatus used therefor that can perform a carburizing treatment and a diffusion treatment at a reduced cost and in a shorter time than ever. [Solution to Problem] A gas carburizing processing apparatus adapted for applying a carburizing treatment and a diffusion treatment to a metal workpiece is provided with an induction heating system 12 and a massflow controller 13 as a gas control portion. Thereby, at the time of the carburizing treatment, a hydrocarbon gas and an inert gas are supplied to the interior of the process chamber main body 10 in such a manner that total amount of respective feed rates of both gases is maintained at a fixed rate, and that concentration of the hydrocarbon gas in the process chamber main body 10 is maintained at a constant concentration, while the workpiece W is induction-heated. Accordingly, a carburizing process can be carried out at a low processing cost and in a shorter time than ever.



No. of Pages : 46 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1498/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : WIND TURBINE AERODYNAMIC SEPARATION CONTROL

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/500,648	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:10/07/2009	Address of Applicant :1 RIVER ROAD, SEHENECTADY, 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)EGGLESTON ERIC</b>
Filing Date	:NA	<b>2)WOLFE CHRISTOPHER</b>
(87) International Publication No	:NA	<b>3)RUGGIERO ERIC JOHN</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SOMPSON ALEXANDER</b>
Filing Date	:NA	<b>5)RODRIGUEZ-ERDMENGER RODRIGO</b>
(62) Divisional to Application Number	:NA	<b>6)PANNEKEET ROBBERT</b>
Filing Date	:NA	

(57) Abstract :

The present application provides a wind turbine system (100). The wind turbine system (100) may include a number of blades (110), a number of wind speed sensors (200) positioned on the blades (110), a controller (190) in communication with the wind speed sensors (200), and one or more performance adjustment mechanisms (180) in communication with the controller (190). The controller (190) activates the performance adjustment mechanisms (180) in response to the wind speed sensors (200).

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1499/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : IN-SITU MAGNETIZER

(51) International classification

:H01F

(31) Priority Document No

:12/499,823

(32) Priority Date

:09/07/2009

(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, SCHENECATADY,  
NEW YORK 12345 U.S.A.

(72)Name of Inventor :

**1)HAMMELMANN JAN ERICH**

**2)WASZAK MICHAL-WOLFGANG**

**3)BERTONCELLI TIZIANA**

**4)FISENI ALEXANDER FELIX**

(57) Abstract :

A magnetizer including at least one reconfigurable magnetic flux guide coil is disclosed. A method of magnetizing a permanent magnet in-situ a mechanical member is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2010

(21) Application No.1626/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ELEVATOR CAGE

(51) International classification	:B66B	(71)Name of Applicant :
(31) Priority Document No	:P2009-164664	<b>1)TOSHIBA ELEVATOR KABUSHIKI KAISHA</b> Address of Applicant :5-27, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN
(32) Priority Date	:13/07/2009	(72)Name of Inventor :
(33) Name of priority country	:Japan	<b>1)MURAO YOSUKE</b> <b>2)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 :

An elevator cage including a cage chamber lifted and lowered along a pair of guide rails by a hanging rope entrained below the cage chamber comprising, a cage frame of the cage chamber assembled by a first strength member in a vertical direction, each of the first strength member being provided opposite a side face of the cage chamber, a second strength member horizontally provided in the cage frame upper portion, and a third strength member horizontally provided in the cage frame lower portion, a sheave mounted on the third strength member in a horizontal direction of a cage frame lower portion with an elastic body interposed to tract the chamber cage by the hanging rope, and a first decorative member for an inside of the cage chamber mounted on the first strength member in the vertical direction to form the cage chamber.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2010

(21) Application No.1627/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR IMPLEMENTING A POWER CONVERTER INPUT TERMINAL VOLTAGE DISCHARGE CIRCUIT

(51) International classification	:H02J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/533,977	<b>1)POWER INTEGRATIONS, INC.</b>
(32) Priority Date	:31/07/2009	Address of Applicant :5245 HELLYER AVENUE, SAN JOSE, CA 95138 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)BALU BALAKRISHNAN</b>
Filing Date	:NA	<b>2)DAVID KUNG</b>
(87) International Publication No	:NA	<b>3)RAYMOND KENNETH ORR</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DAVID MICHAEL HUGH MATTHEWS</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An example controller includes first, second and third inputs, a delayed ramp generator and a drive signal generator. The first, second and third inputs are coupled to receive an input voltage sense signal, an output voltage sense signal, and an input current sense signal, respectively. The drive signal generator is coupled to receive an input charge control signal generated by an input charge control signal generator and a delayed ramp signal generated by a delayed ramp generator. The input charge control signal is generated responsive to an integral of the input current sense signal multiplied by a ratio of the input voltage sense signal to the output voltage sense signal, where the drive signal generator produces a drive signal responsive to the input charge control signal and the delayed ramp signal, the drive signal to be coupled to control a switch of a power supply to regulate an output of the power supply.

No. of Pages : 46 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/08/2011

(21) Application No.2429/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : EMBOSSING DEVICE

(51) International classification

:B41F

(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)CHIH-MING HSU**

Address of Applicant :NO 33, SANKAN RD., WAIPU DIST.,  
TAICHUNG CITY 438, TAIWAN, R.O.C Taiwan

(72)Name of Inventor :

**1)CHIH-MING HSU**

(57) Abstract :

The embossing device mainly contains a cylindrical negative-pressure member laterally supported by a stand, and a pressure roller and a guide roller also laterally supported by the stand at the two sides of the negative-pressure member, respectively. The pressure roller could be freely moved up and down relative to the negative-pressure member so as to exert pressure to a sheet running between said pressure roller and said negative-pressure member. As such, the sheet is more tightly attached to and embossed by the negative-pressure member..

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1369/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF AROMATIC AMINES

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(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009	<b>1)BAYER MATERIALSCIENCE AG</b>
	025 374.2	Address of Applicant :51368 LEVERKUSEN, GERMANY
(32) Priority Date	:18/06/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)KNUT SOMMER</b>
(86) International Application No	:NA	<b>2)PETER LEHNER</b>
Filing Date	:NA	<b>3)ANDRE LAGO</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 process for the preparation of aromatic amines by hydrogenation of the corresponding aromatic nitro compounds and subsequent purification. In the purification the particular amine is initially mixed with an aqueous solution of a base. The organic and aqueous phases are then demixed by adding excess water.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1560/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEMS FOR UTILIZING EXCESS ENERGY GENERATED BY A RENEWABLE POWER GENERATION SYSTEM TO TREAT ORGANIC WASTE MATERIAL

(51) International classification	:F23G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/502,449	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:14/07/2009	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)ZHENG DANIAN</b>
Filing Date	:NA	<b>2)GRIMLEY ROBERT P.</b>
(87) International Publication No	:NA	<b>3)BOSE SUMIT</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A renewable power generation management system (224,824) configured to facilitate utilization of excess energy generated by a renewable power generation system (200) including at least one renewable power generator (108) to treat organic waste material to generate crude oil, the renewable power generation management system includes a controller (230,830,930) programmed to receive operational data from a pump load (214) operatively coupled to the renewable power generator, the operational data related to at least one of current energy requirements and anticipated energy requirements for treating the organic waste material, receive operational data from an electrical grid (212) operatively coupled to the renewable power generator, the operational data related to at least one of a current electrical distribution load and an anticipated electrical distribution load, determine based at least in part on anticipated energy requirements an amount of excess energy to supply to the pump load to facilitate treating the organic waste material to generate crude oil, and operate the renewable power generator to generate power based at least in part on the anticipated energy requirements and the anticipated electrical distribution load.

No. of Pages : 54 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1561/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : WIND TURBINE BLADE INSPECTION AND CLEANING SYSTEM

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(51) International classification

:B08B

(31) Priority Document No

:12/505,286

(32) Priority Date

:17/07/2009

(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)EGGLESTON ERIC**

(57) Abstract :

In one embodiment, a system (10) includes a blade maintenance vehicle (24). The blade maintenance vehicle (24) includes a self-contained balance (34) configured to stabilize the blade maintenance vehicle (24) on an upwardly facing edge (20) of a horizontally positioned wind turbine blade (16).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2010

(21) Application No.1631/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND STRUCTURES OF A MINIATURIZED LINE LAMP

(51) International classification	:H05B
(31) Priority Document No	:201020135526.8
(32) Priority Date	:19/03/2010
(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)YI-SHIANG SHAO

Address of Applicant :6F., NO.8, LANE 114, HEPING RD., LUJHOU CITY, TAIPEI COUNTY 24750, R.O.C. Taiwan

(72)Name of Inventor :

1)YI-SHIANG SHAO

(57) Abstract :

The present invention discloses a method and structures of a miniaturized line lamp. Metal wires 21 are crossed over at two sides of an LED 10 and are in a state of clipping, allowing the LED 10 to be located at a same plane of the metal wires 21 of an electric wire. Electrode positions 121a, 121b at shorter edges of two sides of the LED 10 are perpendicular to the metal wires 21 and each across corner is formed respectively with a notch area 15a, 15b which is free of electrode. A no-notch position 16a, 16b of electrode at the other end of each side provides exactly for contact of two metal wires 21 to form a loop. Therefore, a size of the line lamp device can better comply with a requirement of miniaturization.

No. of Pages : 17 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.2529/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CARTRIDGE UNIT, CARTRIDGE HOLDER, AND PRINTER

(51) International classification	:F03G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-245029	<b>1)SEIKO EPSON CORPORATION</b> Address of Applicant :4-1, NISHISHINJUKU 2-CHOME, SHINJUKU-KU, TOKYO 163-0811, JAPAN
(32) Priority Date	:01/11/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)URABE, YUICHI</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 cartridge assembly can hold a large amount of ink at a low cost. A cartridge assembly 20 that connects a plurality of ink cartridges 21 has a plurality of ink cartridges 21 each having an ink pack 23 made from a flexible material in which ink is sealed and a cartridge case 22 that holds the ink pack 23, and a connecting mechanism 30 that connects the plural ink cartridges 21 together. A positioning part 20b is disposed to the cartridge case 22 of at least two of the plural ink cartridges 21, and at least one of the connecting mechanisms 30 connects the ink cartridges 21 movably in the connection direction.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1565/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : HYBRID VEHICLE

(51) International classification	:F02B
(31) Priority Document No	:JP 2009-159955
(32) Priority Date	:06/07/2009
(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)SUZUKI MOTOR CORPORATION**

Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN

(72)Name of Inventor :

**1)MUROTA, NAOYA**

**2)ONO, MASAKAZU**

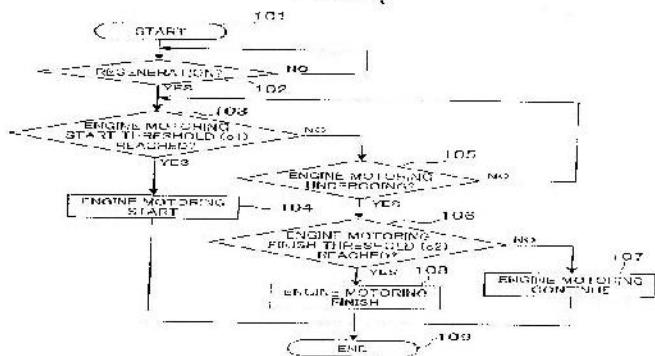
**3)TAKEKOSHI, FUMIHIKO**

**4)KONNO, HIROYUKI**

(57) Abstract :

In a hybrid vehicle comprising an engine; a generator for generating electrical power from the engine; a battery charged with electrical power generated by the generator; and a motor driven by electrical power generated by the generator or by electrical power output by the battery, and with a view to reducing energy consumption from the battery without using complicated control operations while preventing overcharging of the battery, the hybrid vehicle further comprises motoring control means for starting motoring, i.e. mechanical driving, of the engine in addition to regenerative power generation when a state of charge of the battery reaches a first set value and stopping the motoring of the engine when the state of charge of the battery reaches a second set value. Power generation control means are also provided for starting power generation from the engine when a state of charge of the battery becomes higher than a third set value and stopping the engine when the state of charge of the battery reaches a fourth set value. Engine motoring control during regeneration and control of power generation by the engine can be separately performed.

FIG. 1



No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2010

(21) Application No.1628/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND MACHINE FOR CLAMPING PLATES ON FABRIC AND LEATHER PIECES.

(51) International classification	:B29C
(31) Priority Document No	:MI2009A001247
(32) Priority Date	:14/07/2009
(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)RACCOSTA, GAETANO**

Address of Applicant :VIA PETRARCA, 5 I-23807 MERATE

(LC) Italy

(72)Name of Inventor :

**1)RACCOSTA, GAETANO**

(57) Abstract :

A method for clamping a plate on a sheet or fabric material support, comprises the step of providing a plate and a counter-plate, the plate comprising a plurality of pins supporting elements bearing, on a non exposed to the view rear side thereof a plurality of pins for engagement each in a corresponding hole of the counter-plate, characterized in that method further comprises the step of providing a pre-plate including a plurality of temporary attachment points on non exposed to the view parts of said elements.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2011

(21) Application No.2552/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A BIOACTIVE EXTRACT OF CURRY LEAF (MURRAY KOENIGII) FOR TREATMENT OF PC - 12 CELLS

(51) International classification	:A01K
(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)AMITY UNIVERSITY**

Address of Applicant :AMITY UNIVERSITY CAMPUS,  
SECTOR - 125, NOIDA - 201303, UP, INDIA Uttar Pradesh  
India

**(72)Name of Inventor :**

**1)NUPUR SINHA SRIVASTAVA**

**2)KANISHK SINGH**

**3)ASHWANI K. SRIVASTAVA**

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**(57) Abstract :**

The present invention relates to a bioactive extract of curry leaf (*Murraya koenigii*) for the prevention and treatment affected PC-12 cells exposed to neurotoxic shock. The two different extracts (aqueous and alcohol) prepared from curry leaves are subjected to enzyme assays ie. Catalase, Gpx & SOD, nonenzymatic antioxidant, GSH and lipid peroxidation parameters in PC-12 cells treated with neurotoxic drug 6-hydroxydopamine. The alcohol extracts of curry leaf is found to be more potent than aqueous extracts in offering neuroprotection as indicated by higher levels of antioxidant enzymes such as superoxide dismutase (SOD), catalase (CAT), glutathione peroxidise (Gpx) and lesser lipid peroxidation in PC-12 cells treated with alcohol extracts as compared to cells treated with aqueous extracts. The natural extract prepared from the curry leaf acts as a potential source of neuroprotective agents and it can be extremely valuable in the development of neuroprotective therapies.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2011

(21) Application No.2553/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LAMINAR DRESSINGS, SYSTEMS, AND METHODS FOR APPLYING REDUCED PRESSURE AT A TISSUE SITE

(51) International classification	:A61M 1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/098,000	<b>1)KCI LICENSING, INC.</b>
(32) Priority Date	:18/09/2008	Address of Applicant :LEGAL DEPARTMENT -
(33) Name of priority country	:U.S.A.	INTELLECTUAL PROPERTY, P.O. BOX 659508, SAN
(86) International Application No	:PCT/US2009/057182	ANTONIO, TX 78265-9508, UNITED STATES OF AMERICA
Filing Date	:16/09/2009	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/033613	<b>1)JONATHAN SCOTT OLSON</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 applying a reduced pressure at a tissue site includes a reduced pressure source, a porous pad in fluid communication with the reduced pressure source, and a drape positionable over the porous pad to seal the porous pad at the tissue site. The porous pad includes a plurality of channel walls to form a plurality of channels between the channel walls. The channel walls are substantially liquid impermeable to prevent movement of a liquid through the channel walls but are gas permeable to allow movement of a gas through the channel walls as reduced pressure is applied at the tissue site. The liquid impermeability of the channel walls and the application of reduced pressure causes flow of the liquid to occur through the purally of channels.

No. of Pages : 38 No. of Claims : 141

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1605/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : IMAGE DISPLAY DEVICE, IMAGE DISPLAY METHOD, AND IMAGE PROCESSING DEVICE

(51) International classification	:G09G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-193252	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:24/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)TAKURO SHOJI</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 display device includes: an image projecting unit for externally performing enlargement projection of a main-image signal; a basic-property selecting unit for selecting a predetermined basic-gamma property from multiple basic-gamma properties of the main-image signal; a correction-property selecting unit for selecting a predetermined correction-gamma property from multiple correction-gamma properties of the main-image signal; a gamma-property calculating unit for calculating a gamma property for each signal level of the main-image signal based on the selected basic-gamma and correction-gamma properties; a gamma correcting unit for subjecting the main-image signal to gamma correction based on the calculated gamma property; an operating unit for outputting a first signal corresponding to a users basic-gamma-property selection operation, and a second signal corresponding to a users correction-gamma-property selection operation; and a control unit for controlling each of the selection operations of the predetermined basic-gamma and correction-gamma properties based on the first and second signals.

No. of Pages : 71 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1606/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPLAY DEVICE AND DISPLAY METHOD

(51) International classification	:G09G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-189481	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPN Japan
(32) Priority Date	:18/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KEN ONOGI,</b>
(86) International Application No	:NA	<b>2)KOICHI TASHIRO</b>
Filing Date	:NA	<b>3)NAOYA OKAMOTO</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 :

Provided is a display device including a display mode controller for controlling a screen transition to a whole screen display mode for displaying an image in an entire screen of a display section, a multiple content display mode for displaying, on the screen, a plurality of thumbnail images related to contents, or a panel display mode for displaying, on the screen, a panel on which information related to the contents is displayed, and a panel shape determination section for determining a shape of the panel based on the contents to be displayed on the panel.

No. of Pages : 62 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1607/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : INSECTICIDAL COMPOSITION

(51) International classification	:A01N
(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)CRYSTAL CROP PROTECTION PVT. LTD.**

Address of Applicant :GI/17, INDUSTRIAL AREA, G.T.  
KARNAL ROAD, AZADPUR, DELHI-110 033, India

(72)Name of Inventor :

**1)N.K. AGGARWAL**

(57) Abstract :

The subject matter of the invention relates to an insecticidal composition comprising synergistically effective amount of a first active ingredient Fipronil and a second active ingredient Emamectin benzoate, wherein the composition exhibits excellent insecticidal properties and is capable of controlling major insects/pests in agricultural crops. More particularly, the present invention relates to a broad spectrum neurotoxic insecticidal composition with contact, systemic and trans-laminar activity. The composition is highly effective in low doses and is also environment friendly.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.2580/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FIN TUBE HEAT EXCHANGER AND AIR CONDITIONER HAVING THE SAME

(51) International classification	:H02P
(31) Priority Document No	:2010-217460
(32) Priority Date	:28/09/2010
(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 APPLIANCES, INC.**

Address of Applicant :16-1 KAIGAN 1-CHOME, MINATO-KU, TOKYO 105-0022 JAPAN

**(72)Name of Inventor :**

**1)YOKOZEKI ATSUIHIKO**

**2)TSUBOE HIROAKI**

**3)MATSUMURA KENJI**

**4)NA**

**5)NA**

**6)YAMADA EMI**

**7)SASAKI HAJIME**

**8)SUGIYAMA TATSUYA**

---

**(57) Abstract :**

A fin tube heat exchanger includes a plurality of plate fins arranged at predetermined intervals while being laminated in parallel for allowing gas passage, and refrigerant flow tubes structured to penetrate the plate fins while forming meanderings for allowing passage of the refrigerant inside. The plate fin includes a plurality of slit portions each cut and raised in a laminating direction of the plate fin. A protruding height of the slit portion at the up-front opposite the airflow from the plate fin among those slit portions is larger than a protruding height of the slit portion at the second position opposite the airflow. The resultant structure is capable of suppressing performance deterioration owing to the deformed fin shape in spite of the refrigerant flow tube with reduced diameter, and the fin with reduced size and high density.

No. of Pages : 61 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1482/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : EXHAUST SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

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(51) International classification	:F01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 032 215.9	<b>1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT</b> Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY
(32) Priority Date	:06/07/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)THOMAS LAUBE</b>
(86) International Application No	:NA	<b>2)ERWIN RUTSCHMANN</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 an exhaust system for an internal combustion engine, having a first exhaust tract assigned to a first group of cylinders of the internal combustion engine, and a second exhaust tract assigned to a second group of cylinders of the internal combustion engine, the first exhaust tract and the second exhaust tract being coupled to one another by a connecting line. According to the invention, a common bypass line branches off from the connecting line coupling the exhaust tracts.

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1483/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : INFORMATION PROCESSING APPARATUS, INFORMATION PROVIDING SERVER, PROGRAM, COMMUNICATION SYSTEM, AND LOGIN INFORMATION PROVIDING SERVER

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-176573	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:29/07/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)NAOKI MIYABAYASHI</b> <b>2)ISAO SOMA</b> <b>3)TAKASHI ABENO</b> <b>4)YASHIHIRO YONEDA</b> <b>5)MASAHIRO SUEYOSHI</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 :

In one example embodiment, the communication system disclosed herein includes an information processing apparatus that acquires address information from a memory device having a free area including the address information and a secure area including account information. The information processing apparatus connects to a resource of a server using the acquired address information. The information processing apparatus causes a security server to acquire the account information from the memory device and transmit the acquired account information to the server such that the server enables a user to access the resource of the server using the account information.

No. of Pages : 56 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.1484/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A NORMALLY OPEN SOLENOID VALVE AND A MANUFACTURING METHOD THEREOF

(51) International classification	:F16K
(31) Priority Document No	:200910159358.8
(32) Priority Date	:10/07/2009
(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)ZHEJIANG SANHUA CLIMATE AND APPLIANCE CONTROLS GROUP CO., LTD.**

Address of Applicant :CHENGGUAN TOWN, XINCHANG COUNTY, ZHEJIANG PROVINCE 312500, P.R.CHINA

(72)Name of Inventor :

**1)FU, SONGLIN**

(57) Abstract :

A normally open solenoid valve and a manufacturing method thereof are provided. The solenoid valve includes a valve body component and a solenoid coil component. A movable iron core component, a fixed iron core component, a transmission component, and a seal member are provided in the valve body component. A guiding member is provided at the side of the fixed iron core component opposite to the movable iron core component. The seal member is driven by the transmission component or the guiding member to operate. The seal member is axially movable, and the seal member is located or partially located within the guiding member. The present invention relates to refrigeration control field. The seal member has a better guiding performance when being axially moved due to the use of guiding member. Moreover, there is no need of press-fitting or riveting when assembling the members and components in the inner cavity of the valve body component, which facilitates the assembly.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.2597/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : RESIN DELIVERY, APPLICATION AND INFUSION SYSTEM AND INTEGRATED LAYUP SYSTEM AND METHOD OF USE

(51) International classification	:C23C	(71)Name of Applicant :
(31) Priority Document No	:12/889,785	1)GENERAL ELECTRIC COMPANY Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(32) Priority Date	:24/09/2010	(72)Name of Inventor :
(33) Name of priority country	:U.S.A.	1)KOENIGER RAINER 2)VERMILYEA MARK ERNEST 3)QUEK SHU CHING 4)NIEUWENHOVE STEFAN GUIDO 5)KOURKOUTSAKI THEODOSIA 6)O'FLYNN JULIAN THOMAS 7)KLUGE THOMAS 8)SCHELL JULIA SUSANNE URSULA 9)PARODI BRUNO BETONI 10)OSTOJIC MILE 11)KOERWEIN THOMAS
(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 automated in-line feed-through system integrating the delivery, application and infusion of a resin to one or more fiber tows and layup of the one or more infused fiber tows to form a composite structure. The system includes an automated resin delivery, deposition and infusion system configured to deposit the resin on a respective one of the one or more fiber tows and form the infused fiber tows. The system integrates an automated layup system including a compaction roller configured to adhere the one or more infused fiber tows to a substrate. The system further includes a controller configured to control a flow rate of the resin, control the temperature of the resin, the infused fiber tows and the automated layup system, and control tension of the one or more infused fiber tows within the automated layup system. Other aspects of the automated in-line system are also provided.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/07/2010

(21) Application No.1592/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN IMPROVED ROTARY DRUM WASHER FOR GINGER AND TURMERIC

(51) International classification

:A01B

(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL  
RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
MARG, NEW DELHI - 110 001, INDIA.

(72)Name of Inventor :

**1)CHATTERJEE, PRADIP KUMAR  
2)LOHA, CHANCHAL  
3)CHOUDHURY, BIPLAB  
4)CHANDRA, PRAKASH**

(57) Abstract :

An improved rotary drum washer for ginger and turmeric which comprises of perforated rotary drum (1) being fixed on the top of a water sump(12) with the help of a stand, characterized in that the said rotary drum(1) having roller (2), the said rotary drum(1) being supported by two sets of rollers and also help the drum to rotate, the said drum being kept inclined to the horizontal and its angle can be adjusted for changing the residence time of the material inside the drum, a girth gear (3) being attached to the said drum(1) which is driven by the pinion of a high starting-torque motor (4), the said torque motor (4) being attached engaged with the said girth gear (3) , a hopper (5) and vibro feeder (6) being provided at the feeding end of the said drum(1), plurality of nozzles (9) being provided at upper inside of the said rotary drum (1), the said nozzles(9) being connected to main reservoir (10) through a pump (11), the said reservoir being connected to water sump(12) through a mud filter (13), plurality of flights (7) being attached inside the drum and gradually moves down towards the lower end , an angle adjustment screw (14) being provided at feeding side in the said stand supporting the said rotory drum (1), a drain valve (15) being provided to the said water sump(12), a discharge chute (8) being attached at the discharge end for collection of washed ginger / turmeric .

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/07/2010

(21) Application No.1593/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A HANDHELD REMOTE CUM RECEIVER CONTROL UNIT

(51) International classification	:G08C	(71) <b>Name of Applicant :</b> <b>1)ASHUTOSH KUMAR</b> Address of Applicant :JOHNSON AUTOMATION & CONTROL, J-3/314, DDA FLATS, KALKAJI, NEW DELHI-110019 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)ASHUTOSH 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	

(57) Abstract :

This invention relates to a handheld remote cum receiver control unit comprising of a remote unit in connection with a receiver connected to an electrical appliance wherein the remote unit comprising of a battery connected to a command switch and the receiver receives command from said remote to operate the appliance.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2010

(21) Application No.1663/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : IMPELLER COVER AND METHOD

(51) International classification	:F01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/533,181	<b>1)NUOVO PIGNONE S.P.A.</b>
(32) Priority Date	:31/07/2009	Address of Applicant :VIA FELICE MATTEUCCI, 2, 50127
(33) Name of priority country	:U.S.A.	FLORENCE, ITALY.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)CRUICKSHANK JOSEPH O.</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 :

Method and impeller cover [50] for protecting an impeller [14] from damage. The impeller cover [50] includes a removable body [50] having a first face [52] and a second face [54] opposing the first face [52], the second face [54] being configured to match a front face [14a] of the impeller [14] of the compressor [10], and further having a frontal portion [56] covering an entire frontal portion of the impeller [14] of the compressor [10], and a fixing mechanism [58, 80, 82, 84, 86] connected to the removable body [50] and being configured to fix the impeller cover [50] to the impeller [14] of the compressor [10]. The impeller cover [50] is disposable.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2011

(21) Application No.2644/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD, SYSTEM AND U.E. FOR STATE TRANSITION

(51) International classification	:H04W 8/22
(31) Priority Document No	:200810222257.6
(32) Priority Date	:12/09/2008
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/073910
Filing Date	:12/09/2008
(87) International Publication No	:WO 2010/028607
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY

Address of Applicant :NO.40, XUEYUAN RD, HAIDIAN DISTRICT BEIJING, 100191, PR CHINA

(72)Name of Inventor :

1)XIAOKA LI

(57) Abstract :

The present invention relates to a method, system and UE for state transition. The method includes: after a transition from the CELL-PCH state to the CELL-FACH state, a UE receives the scheduling control channel continuously, or receives simultaneously the scheduling control channel according to the receiving time corresponding to the DRX mechanism when the UE is in the CELL-FACH state and the receiving time corresponding to the DRX mechanism when the UE is in the CELL-PCH state; after obtaining an indication of normal reception, the UE receives the scheduling control channel according to the receiving time corresponding to the DRX mechanism when the UE is in the CELL-FACH state; the radio network controller has been informed that the UE has transited from the CELL-PCH state to the CELL-FACH state simultaneously when the UE obtains the indication of normal reception, so as to avoid data loss in a certain period after the state transition of the UE.

No. of Pages : 49 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2010

(21) Application No.1014/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : DETACHING ROLLER OF A COMBING MACHINE

(51) International classification

:B65H

(31) Priority Document No

:BS2009A000077

(32) Priority Date

:28/04/2009

(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 COMBING & FLYER S.P.A.**

Address of Applicant :VIA S. ALBERTO, 10 - I-25036

PALAZZOLO SULL'OGLIO, BRESCIA, Italy

(72)Name of Inventor :

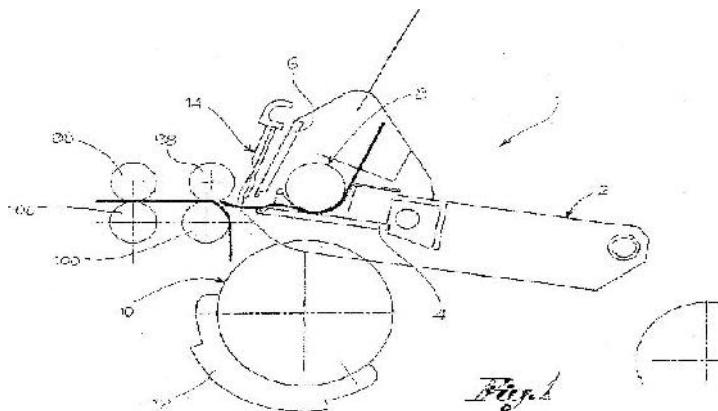
**1)PRANDINI GIROLAMO**

**2)TORCOLI ROBERTO**

**3)MIADORO MICHELE**

(57) Abstract :

A solid detaching roller (100) of a combing machine (1) is made in a lightweight metal material, such as an aluminium, magnesium or titanium alloy. The detaching roller is subjected to a surface hardening process to improve its mechanical properties. The detaching roller is provided with a steel bush, glued to the lateral extremity of the roller, to support it during rotation.



No. of Pages : 28 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.108/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : YARN WINDING MACHINE

(51) International classification

:D01D

(31) Priority Document No

:2010-

021259

(32) Priority Date

:02/02/2010

(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 :

**1)MURATA MACHINERY, LTD**

Address of Applicant :3 MINAMI OCHIAI-CHO,  
KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326

(72)Name of Inventor :

**1)OKA MASAKI**

**2)SHIRAKAWA MASAHIKO**

---

(57) Abstract :

A spinning machine includes a winding device and a slack eliminating device. The slack eliminating device includes a slack eliminating roller and a yarn detecting sensor. The yarn detecting sensor is a reflective photo sensor having a light emitting element and a light receiving element. An opening provided for the light emitting element has a prescribed width such that a width of an irradiated range on the slack eliminating roller is substantially equal to a thickness of the yarn.

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/06/2010

(21) Application No.1295/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : THROTTLE GRIP APPARATUS

(51) International classification	:B62K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-135613	<b>1)ASAHI DENSO CO. LTD.</b>
(32) Priority Date	:05/06/2009	Address of Applicant :2-1 Somejidai 6-chome Hamakita-ku Hamamatsu-shi Shizuoka JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)Tomohiro YAGUCHI</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 throttle grip apparatus is provided with a throttle grip (1) rotatably mounted on a leading end of a handlebar (H) of a vehicle, a magnet (6) which is integrally rotatable with the throttle grip (1), a detector (13) for detecting variations of a magnetic field of the magnet (6) in a non-contact manner so as to detect a rotation angle of the throttle grip (1), and a frictional device (9, 10) for generating a resistance force during a rotation of the throttle grip (1). The resistance force is variable.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1559/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PERFORATED TURBINE BUCKET TIP COVER

(51) International classification

:F01D

(31) Priority Document No

:12/504,850

(32) Priority Date

:17/07/2009

(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)LIU XIAOYUE**

**2)COTRONEO JOSEPH A.**

**3)SLEPSKI JONATHON E.**

**4)CEYLAN ZEKAI**

**5)MISTRY HITESHKUMAR R.**

(57) Abstract :

A blade 20 with a surface depressions 80 on the tip cover 25 for reducing leakage flows, minimizing tip vortex size and penetration into main flow that will improve turbine efficiency. The surface treatment for the airfoil tip covers includes a series of concave shapes, such as grooves 85 or holes 125 . These grooves 85 and holes 125 will channel elements of a tip leakage flow 90 into separate flow vortex paths 110 within the depressions and generate more resistance to leakage flows through the airfoil tip clearance 100, thereby reducing the leakage mass flow and weakening tip vortex and its interaction with turbine main flows. The material removed from the tip cover provides the additional benefit of reducing the weight of the tip cover, thereby enhancing blade reliability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2525/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :02/09/2011

(43) Publication Date : 20/09/2013

(54) Title of the invention : SILICON CARBIDE SEMICONDUCTOR DEVICES

(51) International classification

:F03G

(31) Priority Document No

:1015595.0

(32) Priority Date

:17/09/2010

(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)GE AVIATION SYSTEMS LIMITED**

Address of Applicant :BISHOPS CLEEVE CHELTENHAM,  
CLOUCESTERSHIRE GL52 8SF, GREAT BRITAIN U.K.

(72)Name of Inventor :

**1)SHIPLEY ADRIAN**

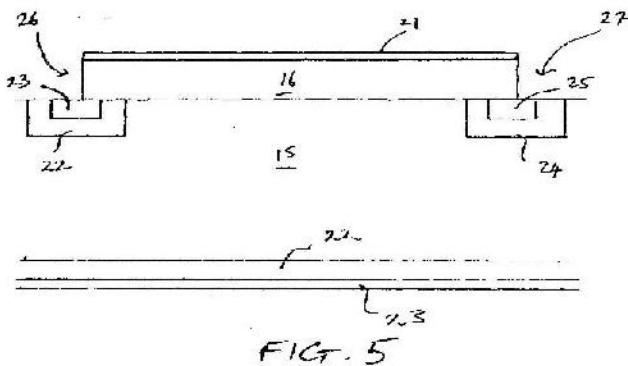
**2)MAWBY PHILIP**

**3)COVINGTON JAMES**

**4)JENNINGS MICHAEL**

(57) Abstract :

A method of manufacturing a semiconductor device comprises applying a first layer (16) comprising silicon to a second layer (15) comprising silicon carbide, whereby an interface is defined between the first and second layers, and oxidising some or all of the first layer (16). (Figure 5)



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.2685/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CURRENT GENERATOR, NOTABLY FOR CURRENT OF THE ORDER OF NANOAMPERES, AND VOLTAGE REGULATOR USING SUCH A GENERATOR

(51) International classification	:H01J
(31) Priority Document No	:10 03707
(32) Priority Date	:17/09/2010
(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)TALES**

Address of Applicant :45 RUE DE VILLIERS, 92200  
NEUILLY SUR SEINE, France

(72)Name of Inventor :

**1)CLAUDE VANHECKE**

(57) Abstract :

The invention relates to an ultra-low current generator and to a voltage regulator using such a generator. The latter comprises: - a first set (41) of Q of transistors (P1, P2, P3) connected as a current mirror and able to be linked to the power supply (Vdd); - a second set of Q-1 of transistors (N1, N2) connected as a current mirror, each transistor being connected in series to a transistor of the first set; - a first transistor (N1) of the second set being connected in series with a transistor N3R, connected as a current mirror with a transistor N4, connected in series with a last transistor (P3) of the first set. The transistor N3R operates in its linear zone, the value of the current generated depends on the equivalent resistance of this transistor, the two transistors having an ultra-long channel, so that the ratio L/W is very large.

No. of Pages : 34 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1253/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : FIRETUBE HEAT EXCHANGER

(51) International classification	:F24H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/478,643	<b>1)ROCKY RESEARCH</b>
(32) Priority Date	:04/06/2009	Address of Applicant :P.O.BOX 61800 BOULDER CITY, NEVADA 89006-1800 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SARKISIAN PAUL</b>
Filing Date	:NA	<b>2)TRANQUILLI NICHOLAS</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 firetube having an elongated cylindrical shell is characterized by a plurality of circular rows of elongated U-shaped fins, each having a bottom surface, preferably curved along a radius or flat, secured to the inner surface of the cylindrical shell and two flat, planar, preferably parallel sides extending upwardly from the bottom surface, with the fins in each row aligned substantially parallel along the axis of the cylindrical shell.

No. of Pages : 14 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/07/2010

(21) Application No.1570/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF BIS-DMTD

(51) International classification	:C07D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09.03323	<b>1)MLPC INTERNATIONAL</b>
(32) Priority Date	:06/07/2009	Address of Applicant :209, AVENUE CHARLES DESPIAU, 40370 RION DES LANDES, FRANCE
(33) Name of priority country	:France	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)CAROLE COUCHARRIERE</b>
(87) International Publication No	:NA	<b>2)THIERRY AUBERT</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DOMINIQUE BONHOMME</b>
Filing Date	:NA	<b>4)JEAN-YVES EHLINGER</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the preparation of bis(dimercaptothiadiazole) (or bis-DMTD), more particularly of 5,5-dithiobis(1,3,4-thiadiazole-2-thiol), said process being carried out in a single reactor and making possible a preparation with improved yields which is more respectful of the environment.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1641/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CATIONIC ELECTRODEPOSITION COATING COMPOSITION

---

(51) International classification	:C04B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-178828	<b>1)KANSAI PAINT CO., LTD.</b> Address of Applicant :33-1, KANZAKI-CHO, AMAGASAKI-SHI, HYOGO 6618555, JAPAN
(32) Priority Date	:31/07/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SHIGEO NISHIGUCHI</b> <b>2)AKIHIKO SHIMASAKI</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 present invention provides a cationic electrodeposition coating composition including amino group-containing modified epoxy resin (A), blocked polyisocyanate curing agent (B), phenol resin (C), metal compound (D), and nitrogen oxide ion (E), wherein the metal compound (D) is contained in an amount of 10 to 10,000 ppm calculated as metal and the nitrogen oxide ion (E) is contained in an amount of 50 to 10,000 ppm, relative to the mass of the cationic electrodeposition coating composition.

No. of Pages : 48 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1642/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : RESIN COMPOSITION, THERMAL TRANSFER-RECEIVING SHEET, AND METHOD FOR  
MAKING THERMAL TRANSFER-RECEIVING SHEET

(51) International classification	:B41M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-189587	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:18/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HIDEKI SEKIGUCHI</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 resin composition used to form a dye-receiving layer of a thermal transfer-receiving sheet in which the dye-receiving layer is formed on at least one surface of a substrate contains a core/shell-type latex including a core containing (A) and a shell containing (B) and a cross-linking agent that reacts with a carboxyl group contained in the shell. (A) is an acrylic resin at least containing, as one of its monomers, a substituted or unsubstituted phenoxyalkyl (meth)acrylate and/or a substituted or unsubstituted phenoxy polyalkylene glycol (meth)acrylate. (B) is a urethane resin containing a carboxyl group.

No. of Pages : 55 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.3203/DELNP/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : GAME CARD AND GAME PLAYING METHOD

(51) International classification	:A63F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/000487
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)IDEAL WORLDWIDE LIMITED**

Address of Applicant :RM. 1611, 16/F., WEALTH COMMERCIAL CENTRE, 42-56 KWONG WA ST., MONG KOK, KOWLOON, HONG KONG (China)

(72)Name of Inventor :

**1)YI-HUI KUAN**

(57) Abstract :

A game card used for revealing hidden information thereof by a transparent color rendering sheet having a predetermined color for passing a light with a specific wavelength range. The game card includes a transparent substrate; and a transparent color layer formed on the transparent substrate and comprising a game pattern formed by overlapping a hidden portion and a cover portion, wherein the hidden portion has at least two different colors for blocking the light with the specific wavelength range and the cover portion does not have the color for blocking the light with the specific wavelength range, whereby when the transparent color rendering sheet is overlapped on the game card, the cover portion reveals a lighter color similar to the predetermined color after rendering with the transparent color rendering sheet, and the hidden portion reveals a darker color after rendering with the transparent color rendering sheet.

No. of Pages : 26 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1389/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHODS AND FLANGE FOR ASSEMBLING TOWERS

(51) International classification	:E04H
(31) Priority Document No	:12/494,544
(32) Priority Date	:30/06/2009
(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)SATHIAN SUJITH**

(57) Abstract :

A flange (220) includes a weld neck (240) at least partially formed on a heated ring-shaped metal billet (306) by removing at least a portion of the heated ring-shaped metal billet as a hot rolling mechanism (300) is rolled about at least a portion of the heated ring-shaped metal billet.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2010

(21) Application No.1390/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SPACEFRAME NACELLE FOR A WIND TURBINE GENERATOR AND METHOD OF MANUFACTURING THE SPACEFRAME NACELLE

(51) International classification	:E04H
(31) Priority Document No	:12/494,666
(32) Priority Date	:30/06/2009
(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)WILLEY LAWRENCE**

**2)SUBRAMANIAN SHANMUGA-PRIYAN**

**3)SATHIAN SUJITH**

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(57) Abstract :

A nacelle (106) for a wind turbine generator (100) is provided. The nacelle (106) includes a spaceframe (160,260) including at least one exterior panel (180) and at least one interior panel (182) joined to the exterior panel, each of the exterior and interior panels having a plurality of generally U-shaped channel portions with flanges extending outward from the channel portion, the flanges (186) of the exterior panel being joined to the flanges of the interior panel to define a plurality of ribs (264), a plurality of joints (266), and a plurality of openings (268).

No. of Pages : 39 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/02/2012

(21) Application No.1458/DELNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD TO CREATE THREE DIMENSIONAL IMAGE INSIDE STONE•

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(51) International classification	:G01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009/05721	<b>1)SEVAN BICAKCI</b>
(32) Priority Date	:23/07/2009	Address of Applicant :MOLLA FENARI MAH. GAZI
(33) Name of priority country	:Turkey	SINANPASA SOK. KUTLU IS HANI NO:14/3
(86) International Application No	:PCT/TR2009/000153	NURUOSMANIYE, EMINONU, 34120 ISTANBUL, TURKEY
Filing Date	:15/12/2009	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)BICAKCI Sevan</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 is a method for creation of three-dimensional image in the transparent stone (1) and it comprises process steps of curving the inside of the said transparent stone (1) forming space therein and providing an outer shell (1.1) making at least one designing on the surface of the said outer shell (1.1) facing inside making at least one transparent filling layer (2) on the surface of the said outer shell (1.1) facing inward making at least one designing on the surface of the said filling layer (2) facing inward repeating one under the other the designing and filling layer (2) designing as per the design on the surface of the said filling layer (2) facing inward connecting a at least one three-dimensional object (5) to the inward facing surface of the filling layer (2) at the very bottom and closing the lower part of the stone (1).

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.3022/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR PRE-HEATING COMPRESSED AIR IN ADVANCED ADIABATIC COMPRESSED AIR ENERGY STORAGE SYSTEMS

(51) International classification	:F16D
(31) Priority Document No	:12/915,414
(32) Priority Date	:29/10/2010
(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)NUOVO PIGNONE S.P.A.**

Address of Applicant :VIA FELICE MATTEUCCI, 2, 50127  
FLORENCE, Italy

(72)**Name of Inventor :**

**1)ANIKHINDI SANJAY**

**2)KOSAMANA BHASKARA**

(57) Abstract :

Systems and methods provide for capturing heat energy in a power generation system. The system includes: a first compressor configured to exhaust a first compressed, heated air flow; a heat exchanger connected to the first compressor and configured to receive the first compressed, heated air flow and configured to transfer heat energy from the first compressed, heated air flow to an oil; at least one pump connected to the heat exchanger and configured to pump the heated oil in a closed-loop system from the heat exchanger to an insulated storage tank; a second compressor connected to the heat exchanger and configured to exhaust a second compressed, heated air flow; and an energy storage unit connected to the second compressor and configured to store heat energy from the second compressed, heated air flow.

No. of Pages : 37 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/11/2011

(21) Application No.3323/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : EASILY SWITCHABLE AUTOMATIC TRANSMISSION ECCENTRIC SHAFT

(51) International classification

:F16C

(31) Priority Document No

:12/969,603

(32) Priority Date

:16/12/2010

(33) Name of priority country

:Taiwan

(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 :

An easily switchable automatic transmission eccentric shaft includes an input shaft over which a movable centrifugal saddle is fit. An elastic body is arranged between the centrifugal saddle and the input shaft. The centrifugal saddle is provided at one side thereof with an openable weight assembly which selectively moves the centrifugal saddle with respect to the input shaft. A balance weight is coupled to one side of the weight assembly. The balance weight forms a limiting structure that includes two retention members and an elastic element between the retention members. The limiting structure helps controlling preciseness of variable transmission helps increasing available transmission positions facilitates the weight assemblies returning back to home positions and is suitable for high horsepower applications.

No. of Pages : 13 No. of Claims : 10

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Shih-Chou WEN**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.1135/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PAYER ESTIMATION AND IDENTIFICATION METHODS AND APPARAUTS

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(51) International classification	:G06Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/178,879	<b>1)ATHENA HEALTH, INC.</b>
(32) Priority Date	:15/05/2009	Address of Applicant :311 ARSENAL STREET, WATERTOWN, MASSACHUSETTS 02472, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)NYE, JACK</b>
Filing Date	:NA	<b>2)HENDRICKSON, JOSEPH</b>
(87) International Publication No	:NA	<b>3)LU, YURAN</b>
(61) Patent of Addition to Application Number	:NA	<b>4)BASSOLINO, CHRISTOPHER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

Methods and apparatus for generating a list of likely payers for a medical practice based on historical data stored on a practice management system and practice-specific information. Information about the claim volumes for payers during a predetermined time range in a geographical region are used to estimate a subset of likely payer that a medical practice may like to enroll with. User-selectable billing frequency indicators for each of the payers identified in the subset facilitate claim billing management and enrollment strategies for billing personnel at the medical practice resulting in fewer disruptions in claim processing and cash flow as the medical practice is implemented on the practice management system.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2010

(21) Application No.1191/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : APPARATUS FOR REDUCING RADIATIVE HEAT LOSS FROM A FORMING BODY IN A GLASS FORMING PROCESS

(51) International classification	:C03B
(31) Priority Document No	:61/180,216
(32) Priority Date	:21/05/2009
(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)CORNING INCORPORATED**

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

(72)**Name of Inventor :**

**1)ROBERT DELIA**

(57) Abstract :

Disclosed is an apparatus for producing a glass sheet comprising thermal shields for minimizing radiative heat loss from a forming body used to form the sheet. The thermal shields are typically arranged as a pair and positioned on opposite sides of a flow of molten glass descending as a continuous ribbon from the forming body. Each thermal shield comprises a plurality of segments, including end segments and a central segment, wherein the end segments are separately movable relative to the central segment, allowing an edge of the thermal shield adjacent the ribbon to be varied.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2010

(21) Application No.1192/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AIR-JET SPINNING DEVICE AND SPINNING MACHINE INCLUDING THE SAME

(51) International classification	:D01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-186571	<b>1)MURATA MACHINERY, LTD</b> Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(32) Priority Date	:11/08/2009	JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)OKA MASAKI</b> <b>2)YAMAGUCHI SATO</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 spinning device 9 includes a first nozzle 71, a first block 91, a second nozzle 81, and a second block 92. The first block 91 supports the first nozzle 71. The second nozzle 81 is arranged downstream of the first nozzle 71 in a fiber travelling direction. The second block 92 can expose the second nozzle 81 to outside by-supporting the second nozzle 81 and moving a direction away from the first block 91.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1377/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD TO MANUFACTURE AT LEAST A COMPONENT OF A BLADE OF A WIND-TURBINE

(51) International classification

:B29C

(31) Priority Document No

:EP09010464

(32) Priority Date

:13/08/2009

(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

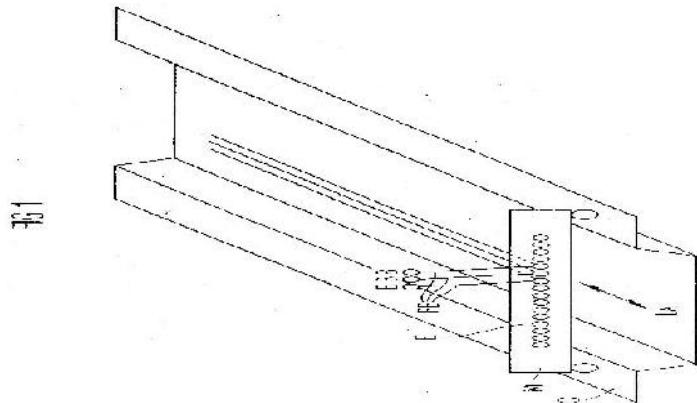
Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)STIESDAL; HENRIK

(57) Abstract :

The component comprises at least one layer of a composite structure. The layer is built up by a number of unconnected single roving-bundles, which are aligned unidirectional and which shows a common direction. The roving-bundles are laid down automatically into a forming tool.



No. of Pages : 15 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2010

(21) Application No.1578/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYNERGISTIC MICROBICIDAL COMPOSITIONS

(51) International classification	:A01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/273,049	<b>1)ROHM AND HAAS COMAPNY</b>
(32) Priority Date	:30/07/2009	Address of Applicant :100 INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19106-2399, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MEGAN ANNE DIEHL</b>
Filing Date	:NA	<b>2)DOLORES ANN SHAW</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 :

This invention relates to synergistic combinations of selected isothiazolin-3-one microbicides in combination with a second microbicide or formulation ingredient or raw material. The combinations have greater efficacy than would be expected from combinations of the individual components. The combinations include mixtures of (a) Methyl-4-isothiazolin-3-one or (b) 1,2-Benzisothiazolin-3-one with one or more of a variety of other compounds.

No. of Pages : 32 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.3426/DELNP/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR LOCATING UMTS USER EQUIPMENT USING MEASUREMENT REPORTS

(51) International classification	:G01R
(31) Priority Document No	:60/996,412
(32) Priority Date	:15/11/2007
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2008/083594 :14/11/2008
(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)ANDREW LLC

Address of Applicant :1100 COMMSCOPE PLACE, SE  
HICKORY, NC U.S.A.

(72)Name of Inventor :

1)CARLSON, JOHN, P.  
2)ISLAM, TARIQUL  
3)MAZLUM, SELCUK

(57) Abstract :

A system and method for estimating a location of a wireless device receiving signals from a plurality of nodes of a communication system. A first value may be determined based on a network timing characteristic for one of the nodes, and a second value may be determined based on a network measurement report characteristic. An observed time difference of arrival (OTDOA) hyperbola may then be calculated based on the first and second values, and a location of the wireless device estimated as a function of the OTDOA hyperbola.

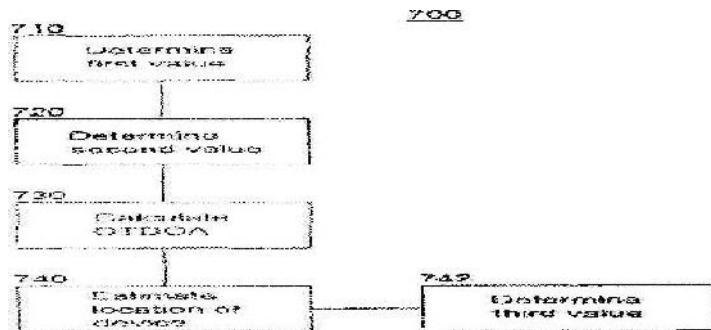


Fig. 7

No. of Pages : 38 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2011

(21) Application No.2556/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR CONTROLLING INFLAMMATORY RESPONSE

(51) International classification	:A61M 1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/098,030	<b>1)KCI LICENSING, INC.</b>
(32) Priority Date	:18/09/2008	Address of Applicant :LEGAL DEPARTMENT -
(33) Name of priority country	:U.S.A.	INTELLECTUAL PROPERTY, P.O. BOX 659508, SAN
(86) International Application No	:PCT/US2009/044235	ANTONIO, TX 78265-9508, UNITED STATES OF AMERICA
Filing Date	:15/05/2009	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/033271	<b>1)ERIC STEVENSON</b>
(61) Patent of Addition to Application Number	:NA	<b>2)KENNETH CARL NORBURY</b>
Filing Date	:NA	<b>3)RICHARD PAUL MORMINO</b>
(62) Divisional to Application Number	:NA	<b>4)GEORGE HUTCHINSON</b>
Filing Date	:NA	

(57) Abstract :

A method and system for controlling inflammatory response at an internal tissue site of a patient utilizes a reduced-pressure treatment device. Controlling the inflammatory response may be accomplished in a number of ways that involve treating the inflammatory milieu. Treating the inflammatory milieu may include removing or moderating pro-inflammatory stimuli, e.g., fluids, enhancing perfusion of the tissue at or near the internal tissue site, or providing reduced-pressure therapy. The reduced-pressure treatment device is placed at or near the internal tissue site and is fluidly coupled to an external reduced-pressure source. The reduced-pressure treatment device provides reduced pressure proximate the tissue site and treats the inflammatory milieu. The reduced-pressure treatment device for controlling inflammatory response may be a minimally-invasive treatment device.

No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.2663/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A NOVEL AYURVEDIC FORMULATION FOR THE PREVENTION & MANAGEMENT OF RHEUMATOID ARTHRITIS AND A PROCESS FOR PREPARATION THEREOF

(51) International classification

:B23B

(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)GOVIND PRASAD DUBEY**

**2)ARUNA AGARWAL**

**3)NIRUPAMA DUBEY**

**4)RAJESH DUBEY**

**5)SHIPRA DUBEY,**

---

(57) Abstract :

A novel ayurvedic formulation for the prevention and management of rheumatoid arthritis and a process for preparation thereof, comprising (i) preparing a hydro-methanolic extract of at least one plant selected from Terminalia chebula, Moringa oleifera, Discorea bulbifera, and Allium sativum at 70-80°C, maintaining the pH of the solution between 7-10 (ii) separating the active compound chromatographically, and (III) subjecting the active compounds to the step of molecular characterization. Further, according to this invention there is provided a process for the preparation of novel plant based Ayurvedic formulation comprising of preparing aqueous adding methanolic extract of Terminalia chebula (Haritaki,Fruites), Moringa oleifera (Shigru, Leaves), Discorea bulbifera (Virahikand, Rhizomes), and Allium sativum (Rasones, Bulbs) by using aqueous and methanol (70:30) at 70°-80°C temperature and maintaining pH of solution between 7-10, separating the active compound chromatographically of each plant material (extract) by using TLC, HPLC and HPTLC separation of the molecules of plant extract by using GGMS, LCMS and 2D NMR.

No. of Pages : 36 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.3192/DELNP/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : STEEL FOR MACHINE STRUCTURE USE FOR SURFACE HARDENING AND STEEL PART FOR MACHINE STRUCTURE USE

(51) International classification

:C23C

(31) Priority Document No

:2008-324643

(32) Priority Date

:19/12/2008

(33) Name of priority country

:Japan

(86) International Application No

:PCT/JP09/066326

Filing Date

:11/09/2009

(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)NIPPON STEEL CORPORATION,**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
CHIYODA-KU, TOKYO 100-8071, JAPAN

(72)Name of Inventor :

**1)ATSUSHI MIZUNO**

**2)MASAYUKI HASHIMURA,**

**3)HAJIME SAITO**

**4)SHUJI KOZAWA**

**5)KEI MIYANISHI**

---

(57) Abstract :

Steel for machine structure use for surface hardening containing, by mass%, C: 0.3 to 0.6%, Si: 0.02 to 2.0%, Mn: 1.5% to 3.0%, W: 0.0025 to 0.5%, Al: 0.001 to 0.5%, N: 0.003 to 0.02%, S: 0.0001 to 0.025%, P: 0.0001 to 0.03%, and O: 0.0001 to 0.0050%, having an Mn/S of 70 to 30000, and having a balance of substantially Fe and unavoidable impurities.

No. of Pages : 45 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/06/2010

(21) Application No.3926/DELNP/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : MASSAGE APPARATUS WITH HEATER

(51) International classification	:A61H
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2007/083604
Filing Date	:05/11/2007
(87) 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)FKA DISTRIBUTING CO. D/B/A HOMEDICS INC.**

Address of Applicant :3000 Pontiac Trail Commerce  
Township MI 48390 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)FERBER Roman**

**2)LEV Mordechai**

**3)CHUNG Shianp Jyh**

(57) Abstract :

A massage apparatus is provided with a housing, and a substrate mounted for rotation to the housing and driven by a motor. A massage node and a positive temperature coefficient (PTC) heater are mounted to the substrate. A pair of contacts and a pair of brushes maintain electrical engagement of the PTC heater with the housing during rotation of the substrate. Another embodiment provides an infrared light emitting diode (LED) beneath the massage node in electrical communication with the housing due to the contacts and brushes. Another embodiment provides a method for imparting a heated massage effect by providing a massage apparatus with a message mechanism, a PTC heater and a plurality of infrared LEDs. A massage effect is imparted and a warm-up operation is initiated of the PTC heater and the LEDs. The warm-up operation of the PTC heater is discontinued upon the massage mechanism reaching a predefined temperature.

No. of Pages : 27 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2010

(21) Application No.1532/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DISK BRAKE

(51) International classification

:F16D

(31) Priority Document No

:2009-

155476

(32) Priority Date

:30/06/2009

(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 :6-3, FUJIMI 1-CHOME, KAWASAKI-KU, KAWASAKI, KANAGAWA, JAPAN

(72)Name of Inventor :

**1)SHOICHI NOGUCHI**

**2)DAISUKE TANABE**

**3)TAKESHI FUJIKI**

**4)KOICHI MASUKO**

**5)SHIGERU HAYASHI**

**6)KOJI FUKUI**

**7)YOICHI KUMEMURA**

**8)HAYURU INOUE**

**9)SEIKO TSUBOTA**

---

(57) Abstract :

A disc brake that suppresses braking noises when a vehicle moves backward include an urging spring urging a friction pad toward a rotationally exiting side of a disc when the vehicle moves forward, the urging spring being arranged between a hook portion of the friction pad and a torque receiving portion of a carrier. The urging spring formed through bend of an elastic plate material has its spring constant that is set to be a small value to avoid resonance frequency causing noise where the base end side thereof is fixed to the hook portion of the backing plate while the top end side thereof elastically abuts to the torque receiving portion of the carrier. The urging spring is located at the position that is outside in the radial direction from the center position of the hook portion in its width direction.

No. of Pages : 48 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.2518/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : STEAM TURBINE PLANT

(51) International classification	:F03G
(31) Priority Document No	:MI 2010A001599
(32) Priority Date	:03/09/2010
(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 :

1)ALSTOM TECHNOLOGY LTD

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

(72)Name of Inventor :

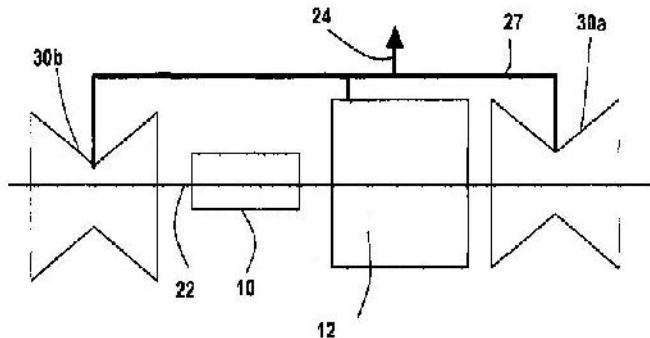
1)MAURUS HERZOG

2)WILHELM REITER

(57) Abstract :

The invention relates to a single shaft (22) steam turbine plant with a first (30a) and a second (30b) low-pressure steam turbine located at either end of the shaft (22). A generator (10) and at least one high-pressure steam turbine (14) are located on the shaft (22) between low-pressure steam turbines.

FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.2687/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR RADIO RESOURCE ALLOCATION

(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)NOKIA SIEMENS NETWORKS OY**

Address of Applicant :KARAPORTTI 3, FI - 02610 ESPOO,  
FINLAND

(72)Name of Inventor :

**1)AGRAWAL, RAJEEV**

**2)ARULSELVAN, NAVEEN**

**3)KALYANASUNDARAM, SURESH**

**4)LEELAHAKRIENGKRAI, RANGSAN**

**5)NATARAJAN, BALAMURALI**

**6)XU, HUA**

(57) Abstract :

Systems and techniques for scheduling of use of resources by wireless devices and allocation of resources among devices. Information is received relating to channel efficiency experienced by a user equipment and also to the channel efficiency experienced by other user equipments. The information may include channel gain. Scheduling and resource allocation are performed so as to provide service to each device while minimizing interference penalties imposed by devices on one another. Scheduling and resource allocation may be evaluated and conducted through a number of mechanisms, such as ranking users according to transmit power, ranking user equipments according to target signal to noise ratios, and evaluation of relative advantages to users with the evaluation being performed resource block by resource block. The various metrics take into account both advantages to a particular user equipment under consideration and detrimental effects on other user equipment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.2689/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LIGHTING MASTER AND LIGHTING DEVICE

(51) International classification

:H01J

(31) Priority Document No

:099217932

(32) Priority Date

:16/09/2010

(33) Name of priority country

:Taiwan

(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)TOP ENERGY SAVING SYSTEM CORP.**

Address of Applicant :3F., NO. 115, WUGONG 3RD RD.,  
WUGU DIST., NEW TAIPEI CITY 24891, R.O.C. Taiwan

(72)Name of Inventor :

**1)TSAI, WEN-KUEI**

(57) Abstract :

The present invention is directed to a lighting master, which includes a base and a lighting module. A region defined between the base and housing accommodates a power module. The lighting module is disposed over the base. The base has an outer surface to be bonded with an inner surface of the housing.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2011

(21) Application No.45/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ATTACHMENT UNIT FOR PHOTOVOLTAIC MODULES

(51) International classification	:H01L :10 2010	(71) <b>Name of Applicant :</b> <b>1)SCHOTT SOLAR AG</b> Address of Applicant :HATTENBERGSTRASSE 10, 55122 MAINZ, GERMANY
(31) Priority Document No	001 016.2- 33	(72) <b>Name of Inventor :</b> <b>1)KURT NATTERMANN</b> <b>2)DIETER FRANKE</b> <b>3)INGO SCHWIRTICH</b>
(32) Priority Date	:19/01/2010	
(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	

(57) Abstract :

The present invention relates to a solar module for converting radiation energy, in particular sunlight, into electric energy, comprising a solar cell (12) to convert radiation energy into electric energy, an electric conductor (24) to conduct the electric energy and an encapsulation (14) encasing the solar cell (12) to protect the solar cell (12), wherein the encapsulation (14) comprises one or more panes of glass (16) to protect and stabilize the solar cell (12), a layer (22) of embedment material into which the solar cell (12) is laminated or cast as well as a body (26) fused into the pane of glass (16) to conduct the electric energy or to pass the electric conductor (24) through the pane of glass (16). Furthermore, the invention relates to a method for fusing the body (26) into a pane of glass (16) of a solar module.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/04/2010

(21) Application No.1002/DEL/2010 A

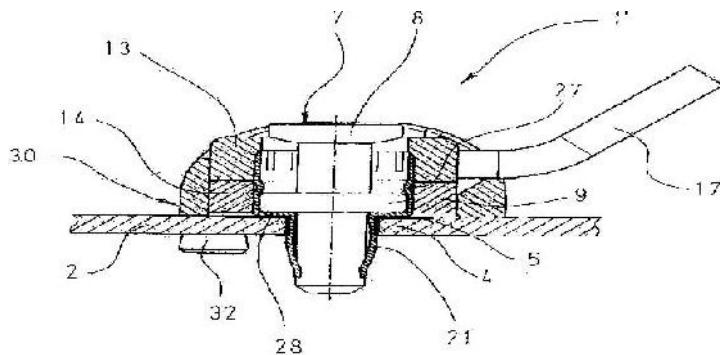
(43) Publication Date : 20/09/2013

(54) Title of the invention : CONNECTING ELEMENT FOR ELECTRIC CONDUCTORS WITH A PRINTED CIRCUIT BOARD

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:20 2009 006 254.6	<b>1)HARTING ELECTRIC GMBH &amp; CO. KG</b> Address of Applicant :WILHELM-HARTING-STRASSE 1, 32339 ESPELKAMP, GERMANY
(32) Priority Date	:29/04/2009	(72)Name of Inventor :
(33) Name of priority country	:Germany	<b>1)HARTMUT SCHWETTMANN</b> <b>2)ANDREAS NASS</b> <b>3)STEFAN SCHNIEDER</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 :

In order to separably connect an electric conductor (16) to a printed circuit board (2), it is proposed to insert a connecting element (1) into an opening (3) in the printed circuit board (2). In this case, a sleeve-like contact region (21) of the connecting element (1) is clamped against the inner surface (4) of the opening (3) by means of a clamping pin (7).



**Fig. 8**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2010

(21) Application No.1154/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD FOR PRIMARY CONTROL OF A STEAM TURBINE INSTALLATION

(51) International classification	:F01K
(31) Priority Document No	:102009021924.2
(32) Priority Date	:19/05/2009
(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)ALSTOM TECHNOLOGY LTD**

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

(72)**Name of Inventor :**

**1)OLAF BERKE**

**2)FRANZ-JOSEF HOLY**

**3)KARSTEN MULLER**

**4)REINHARD JOHANNES SEVERIN CLOPPENBURG**

---

(57) Abstract :

Described is a method for primary control of a steam turbine installation in network operation, which provides at least two pressure stages, these being a high-pressure (1) and a low-pressure steam turbine stage (2), in which for storing reserve power a live steam valve (8) along an operating-steam feed line (7) to at least one pressure stage (1) of the steam turbine is operated in a throttled manner, which live steam valve, in the case of a reducing network frequency and network frequency boosting which is necessary as a result of this, is transferred to an at least less throttled state. The invention is characterized in that at least some of the partially expanded operating steam which issues from the high-pressure steam turbine stage (1) is introduced directly, that is to say without reheating, into the low-pressure steam turbine stage (3) for further expansion.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/06/2010

(21) Application No.1403/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : Method for Extracting and Separating Rare Earth Elements

(51) International classification	:C22B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-144426	<b>1)Shin-Etsu Chemical Co. Ltd.</b> Address of Applicant :6-1 Otemachi 2-chome Chiyoda-ku Tokyo JAPAN
(32) Priority Date	:17/06/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)Hiroto SUGAHARA</b>
(86) International Application No	:NA	<b>2)Kazuaki SAKAKI</b>
Filing Date	:NA	<b>3)Takehisa MINOWA</b>
(87) International Publication No	: NA	<b>4)Hirochika NAGANAWA</b>
(61) Patent of Addition to Application Number	:NA	<b>5)Kojiro SHIMOJO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Solvent extraction from an aqueous phase containing first and second rare earth elements is carried out by contacting an organic phase containing a diglycolamic acid as an extractant and a hydrocarbon or a low-polar alcohol as a solvent, with the aqueous phase below pH 3 for extracting the first rare earth element into the organic phase, back-extracting from the organic phase with an aqueous acid solution for recovering the second rare earth element which has not been extracted into the organic phase and has remained in the aqueous phase.

No. of Pages : 37 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2010

(21) Application No.1469/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OPERATION CONTROL APPARATUS, OPERATION CONTROL METHOD, AND COMPUTER PROGRAM

(51) International classification	:G09G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-159147	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:03/07/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)FUMINORI HOMMA</b> <b>2)TATSUSHI NASHIDA</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 operation control apparatus is provided which includes a detection unit for detecting contact of an operation tool with a display surface of a display unit, a contact determination unit for determining a contact state of the operation tool with the display surface based on the detection result by the detection unit, a contact area recognition unit for recognizing, in the case where it is determined by the contact determination unit that the operation tool is in contact with the display surface, a contact area where the operation tool is in contact with the display surface, and an operation determination unit for determining, from a plurality of operation processing associated with an act of the operation tool in contact with the display surface, an operation processing to be executed, based on a size of the contact area recognized by the contact area recognition unit.

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/06/2011

(21) Application No.4511/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : EXTENDED DICER SUBSTRATE AGENTS AND METHODS FOR THE SPECIFIC INHIBITION OF GENE EXPRESSION

(51) International classification	:A61K 31/70
(31) Priority Document No	:61/138,946
(32) Priority Date	:18/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/006636
Filing Date	:18/12/2009
(87) International Publication No	:WO 2010/08129
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)DICERNA PHARMACEUTICALS, INC.  
Address of Applicant :480 ARSENAL STREET,  
WATERTWON, MA 02742 (US). U.S.A.

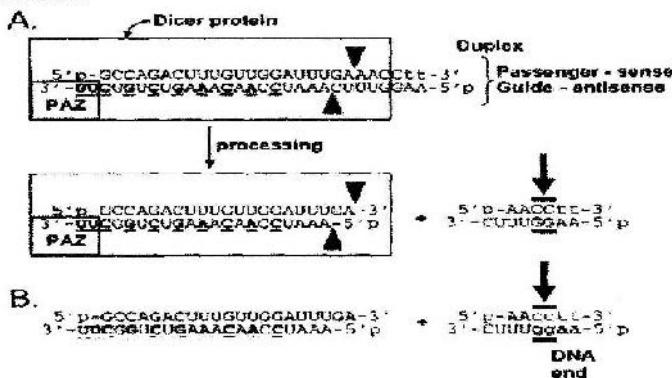
(72)Name of Inventor :

1)BROWN, BOB

(57) Abstract :

The invention provides compositions and methods for reducing expression of a target gene in a cell, involving contacting a cell with an isolated double stranded nucleic acid (dsNA) in an amount effective to reduce expression of a target gene in a cell. The dsNAs of the invention possess a pattern of deoxyribonucleotides (in most embodiments, the pattern comprises at least one deoxyribonucleotide-deoxyribonucleotide base pair) designed to direct the site of Dicer enzyme cleavage within the dsNA molecule. Deoxyribonucleotides of the dsNA molecules of the invention are located within a region of the dsNA that can be excised via Dicer cleavage to generate an active siRNA agent that no longer contains the deoxyribonucleotide pattern {e.g., deoxyribonucleotide-deoxyribonucleotide base pairs}. Such DNA-extended Dicer-substrate siRNAs (DsiRNAs) were demonstrated to be more effective RNA inhibitory agents than corresponding double stranded RNA-extended DsiRNAs. DsiRNA agents were also found to tolerate guide strand mismatches. Fig.: 1

FIGURE 1



No. of Pages : 283 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1644/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A CNC OIL HYDRAULIC PRESS.

(51) International classification	:B26D
(31) Priority Document No	:200920134025.5
(32) Priority Date	:20/07/2009
(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)WONG, KAI LAI FRANCES**

Address of Applicant :FLAT/RM 2720, 27/F., METROPOLE  
SUARE, 2 ON YIU STREET, SHEK MUN, SHATIN, NT HONG  
KONG (China)

(72)Name of Inventor :

**1)WONG , KAI LAI FRANCES**

(57) Abstract :

The present utility model discloses a CNC oil hydraulic press, comprising a press support, a control panel mechanism, an auto-feeding storage, a moving platform, a waste-edge cutting device, a label pressing device and a material receiver set in the tail end of the label pressing device. The whole oil hydraulic press formed by the auto-feeding storage, moving platform, waste-edge cutting device, label pressing device and material receiver in the press support, is in place of the processes of man-made character or pattern pressing, waste material trimming and edge oil brushing, thus capable of avoiding the deviation due to artificial factors and improving production efficiency of processing, product accuracy and processing stability, and applying to mass production with middle and high output. When in use, it is only required to manually locate the leather goods board in the designated position and switch on power to complete the whole process, featuring simple operation. Moreover, the present utility model can avoid the waste of materials due to artificial factors so as to save production materials.

No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.2532/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A NOVEL BIOMASS-COMBUSTION BASED HEATING APPLIANCE AND METHOD OF WORKING FOR SAME

(51) International classification	:F21S	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)THE ENERGY AND RESOURCES INSTITUTE (TERI)</b>
(32) Priority Date	:NA	Address of Applicant :DARBARI SETH BLOCK, IHC
(33) Name of priority country	:NA	COMPLEX, LODI ROAD, NEW DELHI 110 003 India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MR. SUNIL DHINGRA</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 provides for a biomass-combustion based heating appliance in which biomass derived from agricultural and farm wastes in various forms is used as a source material whose combustion results in production of producer gas. This producer gas ultimately on ignition provides the energy for heating and heat based applications in residential and institutional avenues as well as small scale units such as eating joints and highway restaurants.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.3435/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NOVEL CYCLIC HYDROCARBON COMPOUNDS FOR THE TREATMENT OF DISEASES

(51) International classification	:C07C
(31) Priority Document No	:60/989,856
(32) Priority Date	:23/11/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/DK2008/000410
Filing Date	:20/11/2008
(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)LEO Pharma A/S**

Address of Applicant :Industriparken 55 DK-2750 Ballerup Denmark

(72)**Name of Inventor :**

**1)Jef Fensholdt**

**2)Sophie Elisabeth Havez**

**3)Bjarne N,remark**

---

(57) Abstract :

The invention relates to novel cyclic hydrocarbon compounds and derivatives thereof, processes for the preparation thereof, to said compounds for use as a medicament, to said compounds for use in therapy, to pharmaceutical compositions comprising said compounds, to methods of treating diseases with said compounds, and to the use of said compounds in the manufacture of medicaments.

No. of Pages : 216 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2010

(21) Application No.3436/DELNP/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD OF INHIBITING SCALE FORMATION AND DEPOSITION IN DESALINATION SYSTEMS

(51) International classification	:C02F
(31) Priority Document No	:11/876,375
(32) Priority Date	:22/10/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/080627
Filing Date	:21/10/2008
(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)NALCO COMPANY**

Address of Applicant :1601 W. Diehl Road Naperville Illinois  
60563-1198 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)Peter BLOKKER**

**2)Jasbir S. GILL**

**3)Paloma LOPEZ-SERRANO**

---

(57) Abstract :

This invention relates to an improved method of inhibiting corrosion and calcium sulfate and calcium carbonate scaling in thermal and membrane desalination processes. The method includes adding a composition having an acrylic acid 2-acrylamido-2-methylpropyl sulfonic acid copolymer, optionally combined with an oligomeric phosphinosuccinic acid to seawater or recirculation brine in a desalting process to produce water for drinking and industrial applications. The method also includes adding a composition including mono, bis, and oligomeric phosphinosuccinic acid adducts to the desalting process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2011

(21) Application No.4701/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ISOTACTIC POLYLACTIC ACID AND METHOD FOR PRODUCING SAME

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(51) International classification	:C08G 63/08
(31) Priority Document No	:BE 2009/0028
(32) Priority Date	:16/01/2009
(33) Name of priority country	:Belgium
(86) International Application No	:PCT/EP2010/050477
Filing Date	:15/01/2010
(87) International Publication No	:WO 2010/081887
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)FUTERRO S.A.

Address of Applicant :PLACE D'ESCANAFFLES, 23 B-7760  
ESCANAFFLES (BE) Belgium

(72)Name of Inventor :

1)COUPIN, THIERRY

2)COSZACH, PHILIPPE

3)HOTTOIS, DELPHINE

---

(57) Abstract :

Method of polymerization for producing polylactic acid of configuration L or D, with number-average molecular weight between 60 000 and 200 000 having an insertion defect rate between 0 and 0.5 wt.% of polylactic acid and a racemization defect rate between 0 and 2.5 wt.% of polylactic acid, characterized in that the method is a bulk process comprising contacting, at a temperature between 170 and 200°C and for a reaction time between 5 and 75 minutes, the corresponding lactide of stereochemical configuration L-L or D-D having an optical purity of L or D of at least 99.5 wt.% with at least one catalyst in the presence of an initiator to form poly-L-lactic acid or poly-D-lactic acid.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2010

(21) Application No.1359/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DISPLAY DEVICE AND AUDIO OUTPUT DEVICE

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(51) International classification	:H04R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	178136	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:30/07/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)TERUTAKA YANA</b>
Filing Date	:NA	<b>2)YUTAKA MIKI</b>
(87) International Publication No	:NA	<b>3)YOSHIO OHASHI</b>
(61) Patent of Addition to Application Number	:NA	<b>4)NOBUKAZU SUZUKI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

A display device includes a display portion that displays video, a first audio output portion that outputs stereo audio of a high frequency range, and that is a surface sound source positioned on a rear surface of the display portion, on one of an upper section and a lower section of the display portion, a second audio output portion that outputs stereo audio of a lower frequency range, and that is one of a surface sound source and a point sound source positioned on the rear surface of the display portion, on which the first audio output portion is not positioned, and a delaying portion that delays output of the second audio output portion to be later than output of the first audio output portion.

No. of Pages : 40 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2010

(21) Application No.1556/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : POINTER DETECTION APPARATUS AND POINTER DETECTION METHOD

(51) International classification	:H04B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-288273	<b>1)WACOM CO., LTD.</b> Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN
(32) Priority Date	:18/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)YASUO ODA</b> <b>2)YOSHIHISA SUGIYAMA</b> <b>3)SADAQ YAMAMOTO</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	

(57) Abstract :

A pointer detection apparatus and a pointer detection method of the cross point electrostatic coupling type are disclosed, by which a pointer on a conductor pattern can be detected at a higher speed. The pointer detection apparatus includes a conductor pattern, a spread code supplying circuit, a reception conductor selection circuit, an amplification circuit, an analog to digital conversion circuit, and a correlation value calculation circuit. The spread code supplying circuit supplies a plurality of spread codes at the same time. The correlation value calculation circuit determines correlation values between signals output from the analog to digital conversion circuit and the correlation calculation codes respectively corresponding to the spread codes. A pointer is detected based on the determined correlation values.

No. of Pages : 334 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/07/2010

(21) Application No.1622/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : FALSE TWIST TEXTURING MACHINE

(51) International classification	:D02G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-196470	1)TMT MACHINERY, INC. Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-6-26, KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041, JAPAN
(32) Priority Date	:27/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	1)TAKEHIRO OKADA, 2)SHIGETOSHI YAMANO
(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 present invention secures a space in which full packages are stored, thus allowing many high-quality packages to be wound in a short time. A false twist texturing machine 1 includes a main frame 2 and a winding rack 3. The winding rack 3 is located opposite the main frame 2 across a work space 6. Furthermore, the false twist texturing machine 1 includes a yarn feeding creel 5 and a winding device 15 configured to wind yarn Y supplied by the yarn feeding creel 5. Moreover, the following are arranged on a yarn path from the yarn feeding creel 5 to the winding devices 15 in the following order from the upstream side of a yarn traveling direction: a first feed roller 20, a first heating device 11, a cooling device 12, a false twisting device 13, a second feed roller 21, a second heating device 14, and a third feed roller 22. The false twisting device 13 and the second heating device 14 are provided in the main frame 2. The first feed roller 20 and the winding device 15 are provided in the winding rack 3. In the winding rack 3, winding devices 15 are provided in four stages.

No. of Pages : 33 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.47/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :11/01/2011

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PREMISES POWER SOURCE ACCESSORY PANEL FOR AN OUTDOOR UNIT AND METHOD OF ADAPTING AN OUTDOOR UNIT WITH THE SAME

(51) International classification	:G05F
(31) Priority Document No	:61/295,941
(32) Priority Date	:18/01/2010
(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)LENNOX INDUSTRIES, INC.**

Address of Applicant :2100 LAKE PARK BOULEVARD,  
RICHARDSON, TEXAS 75080, UNITED STATES OF  
AMERICA

**(72)Name of Inventor :**

**1)ROBERT B. USELTON**

**2)TIMOTHY J. BRIZENDINE**

**(57) Abstract :**

A premises power source accessory panel for an outdoor unit, a method of adapting an outdoor unit with a premises power source accessory panel and an outdoor unit incorporating the panel or the method. In one embodiment, the panel includes: (1) a bracket having at least one electrical conduit aperture and (2) a circuit protection element mounted to the bracket and configured to be coupled to a premises power source, the bracket removably couplable to the outdoor unit in lieu of a conventional electrical conduit panel.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/06/2010

(21) Application No.3928/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CATALYSTS AND RELATED METHODS

(51) International classification	:B01J
(31) Priority Document No	:60/986,957
(32) Priority Date	:09/11/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/082884
Filing Date	:07/11/2008
(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)WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION**

Address of Applicant :1610 Ne Eastgate Boulevard Suite 650 Pullman WA 99163 UNITED STATES OF AMERICA

**2)IDAHO RESEARCH FOUNDATION INC.**

(72)Name of Inventor :

**1)NORTON M. Grant**

**2)MCILROY David N.**

(57) Abstract :

Nanostructured catalysts and related methods are described. The nanostructured catalysts have a hierarchical structure that facilitates modification of the catalysts for use in particular reactions. Methods for generating hydrogen from a hydrogen-containing molecular species using a nanostructured catalyst are described. The hydrogen gas may be collected and stored, or the hydrogen gas may be collected and consumed for the generation of energy. Thus, the methods may be used as part of the operation of an energy-consuming device or system, e.g., an engine or a fuel cell. Methods for storing hydrogen by using a nanostructured catalyst to react a dehydrogenated molecular species with hydrogen gas to form a hydrogen-containing molecular species are also described.

No. of Pages : 74 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/07/2010

(21) Application No.4982/DELNP/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : CONDENSED AMINODIHYDROTHIAZINE DERIVATIVE

(51) International classification	:A61K
(31) Priority Document No	:61/021,939
(32) Priority Date	:18/01/2008
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/JP2009/050511 :16/01/2009
(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)EISAI R & D MANAGEMENT CO., LTD.

Address of Applicant :6-10, KOISHIKAWA 4-CHOME,  
BUNKYO-KU, TOKYO, JAPAN

(72)Name of Inventor :

1)YUICHI SUZUKI

2)TAKAFUMI MOTOKI

3)TOSHIHIKO KANEKO

4)MAMORU TAKAISHI

5)TASUKU ISHIDA,

6)KUNITOSHI TAKEDA,

7)YOICHI KITA,

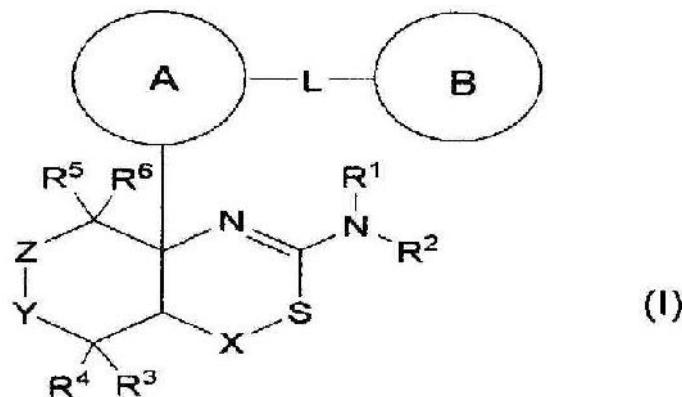
8)NOBORU YAMAMOTO

9)AFZAL KHAN

10)PASCHALIS DIMOPOULOS

(57) Abstract :

A compound represented by the general formula: or a pharmaceutically acceptable salt thereof or a solvate thereof, wherein Ring A is a C6-14 aryl group or the like, L is -NReCO- or the like (wherein Re is a hydrogen atom or the like), Ring B is a C6-14 aryl group or the like, X is a C1-3 alkylene group or the like, Y is a single bond or the like, Z is a C1-3 alkylene group or the like, R1 and R2 are each independently a hydrogen atom or the like, and R3, R4, R5 and R6 are independently a hydrogen atom, a halogen atom or the like, has an A production inhibitory effect or a BACE1 inhibitory effect and is useful as a prophylactic or therapeutic agent for a neurodegenerative disease caused by A and typified by Alzheimer-type dementia.



No. of Pages : 385 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/07/2010

(21) Application No.4986/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STEEL FOR NITROCARBURIZING AND NITROCARBURIZED PARTS

(51) International classification	:C22C
(31) Priority Document No	:2009-118994
(32) Priority Date	:15/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP09/068290
Filing Date	:19/10/2009
(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 :

**1)NIPPON STEEL CORPORATION,**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME  
CHIYODA-KU, TOKYO 100-8071, JAPAN

(72)Name of Inventor :

**1)TETSUSHI CHIDA**

**2)MANABU KUBOTA**

**3)TOSHIMI TARUI**

**4)DAISUKE HIRAKAMI**

(57) Abstract :

The present invention relates to a steel material giving more effective case hardening for improving the fatigue strength and is characterized by containing, by mass%, C: 0.01 to 0.3%, Si: less than 0.1%, Mn: 0.4 to 3%, Cr: 0.5 to 3%, and Al: 0.01 to 0.3%, further containing one or both of Mo: 0.2 to 1.5% and V: 0.05 to 1.0%, having a balance of Fe and unavoidable impurities, and comprising a structure having 50% or more of bainite.

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/01/2011

(21) Application No.66/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTROL APPARATUS OF INTERNAL COMBUSTION ENGINE

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(51) International classification	:F02D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-005121	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 (JP) Japan
(32) Priority Date	:13/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SHIOURA, YUICHIRO</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 :

In a control apparatus of an internal combustion engine having an electronic throttle system driving an actuator so that a throttle valve provided in the internal combustion engine is at a target opening according to driving conditions, a throttle opening is turned to a limp home opening when abnormality is detected in the driving conditions so as to allow retreat traveling of a vehicle. The control apparatus of the internal combustion engine includes a brake operation detecting unit detecting a brake operation, in which when a brake operation is added subsequently while the accelerator pedal is operated, the control apparatus sets the target opening to the limp home opening based on occurrence of a sequence of the operations, and drives the actuator so that the throttle opening turns to the limp home opening, regardless of whether abnormality is detected or not.

No. of Pages : 38 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/09/2011

(21) Application No.6759/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MULTILAYER BODY AND CONTAINER

(51) International classification	:B23B
(31) Priority Document No	:2009-030750
(32) Priority Date	:13/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052025
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)TOYO ALUMINIUM KABUSHIKI KAISHA**

Address of Applicant :6-8 Kyutaromachi 3-chome Chuo-ku  
Osaka-shi Osaka 541-0056 JAPAN

(72)Name of Inventor :

**1)SEKIGUCHI Tomonobu**

**2)YAMAMOTO Masashi**

**3)YAMADA Kazunori**

**4)KANNO Shuhei**

(57) Abstract :

The present invention provides a multilayer body packaging material and container that can maintain excellent water repellent properties and non-adhesive properties. The present invention relates to a non-adhesive multilayer body comprising hydrophobic oxide fine particles with an average primary particles diameter of 3 to 100 nm attaching to at least part of the outside surface.

No. of Pages : 115 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.2541/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A NOVEL TARGETED DRUG DELIVERY SYSTEM FOR RIVASTIGMINE IN LIPOSOMES AND NANOPARTICLES FORM FOR THE TREATMENT OF ALZHEIMER'S DISEASE

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)MANIPAL UNIVERSITY</b> Address of Applicant :C/O. THE COORDINATOR, MCOPS STUDY CENTRE DEPARTMENT OF NEUROBIOCHEMISTRY CARDIO AND NEURO SCIENCES CENTRE ALL INDIA INSTITUTE OF MEDICAL SCIENCES ANSARI NAGAR, NEW DELHI-29 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 invention relates to a novel drug delivery system for rivastigmine in liposomes and nanoparticles form for the treatment of/ Alzheimer's disease. It further disclosed formulation development and evaluation of new drug carrier system, through intranasal or oral administration of rivastigmine loaded liposome's and nanoparticles to target brain for the treatment of Alzheimer's disease, which could have potentials for other drugs, therapeutic actions to target other organs as well.

No. of Pages : 101 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.2715/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A PREPARATION OF HERBAL COMPOUND FORMULATION FOR SUPPORTIVE THERAPY FOR THE IMPROVE OF LIFE IN CANCER PATIENTS AND A PROCESS FOR THE SAME

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA AND SIDDHA</b> Address of Applicant :DEPARTMENT OF AYUSH, MINISTRY OF HEALTH AND FAMILY WELFARE GOVERNMENT OF INDIA, JANAKPURI, NEW DELHI-110058 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)GANDHIDAS SONAJIRAO LEVEKAR</b> <b>2)M.M.PADHI</b> <b>3)A SARASWATHY</b> <b>4)N. SRIKANT</b> <b>5)SUDESH GAIDHANI</b> <b>6)SANJAY KUMAR Y.R.</b> <b>7)ARJUN SINGH</b> <b>8)B. VENKATESHWARLU</b> <b>9)SUBASH CHANDRA VERMA</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 :

This invention relates to a preparation of herbal compound formulation for supportive therapy for the improve of life in Cancer patients. This invention also relates to a process for the preparation of herbal compound formulation.

No. of Pages : 34 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/05/2010

(21) Application No.3199/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN ARTICLE TRANSFER SYSTEM

(51) International classification	:B29C
(31) Priority Document No	:09/982,994
(32) Priority Date	:22/10/2001
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2002/01263
Filing Date	:15/08/2002
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:807/DELNP/2004
Filed on	:29/03/2004

(71)Name of Applicant :

**1)HUSKY INJECTION MOLDING SYSTEMS LTD**

Address of Applicant :AMC/IP GROUP, 500 QUEEN STREET SOUTH, BOLTON, ONTARIO L7E 5S5, CANADA

(72)Name of Inventor :

**1)CHRISTIAN NICHOLAS VARDIN**

**2)STEPHEN J. MASON**

(57) Abstract :

An article transfer system for an integrated injection molding and blow molding system, said transfer system including a rotatable table, a plurality of article carrying means on said table, a plurality of stations adjacent said table, said stations including at least an article receiving station, a first conditioning station; a second conditioning station, a blow molding station and a part removal station, indexing means for moving said rotatable table to enable each article carrying means to be indexed sequentially into a position cooperative with each said station, control means for controlling said indexing means, said control means enabling said indexing means to index said table as-nchronously to enable the successive transfer of at least two groups of parts from a single injection cycle onto adjacent article carrying means in a minimal interval and the successive blow molding of at least two groups of parts from a single injection cycle in a minimal interval.

No. of Pages : 36 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6793/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR SORTING NANOOBJECTS AND AN APPARATUS FABRICATED THEREBY

(51) International classification	:B82B 3/00
(31) Priority Document No	:200910392
(32) Priority Date	:03/02/2009
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2010/000030
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/090552
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BUTKO, VLADIMIR YURYEVICH**

Address of Applicant :SOFII KOVALEVSKOI, 1 - 3 - 30, ST. PETERSBURG, 195252, RUSSIA

(72)Name of Inventor :

**1)BUTKO, VLADIMIR YURYEVICH**

(57) Abstract :

A method for sorting nanoobjects from the mixture comprising nanoobjects such as semiconducting and metallic carbon nanotubes and an apparatus fabricated thereby. An embodiment comprises an energy transfer to the mixture in a way that the degree in which nanoobjects are heated and bonded to the surface of a substance depends on their electrical conductivities. The next embodiment comprises an electrolytic deposition of a material on the mixture in a way that the degree in which nanoobjects are bonded to the surface of the substance by the deposited layer depends on their electrical conductivities. The above nanoobjects are sorted by selectively separating mostly the weaker bonded nanoobjects from the surface. Another embodiment comprises an energy transfer in a low pressure reactive gas medium to the mixture in a way that the degree in which nanoobjects are heated and chemically modified depends on their conductivities.

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6794/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LED MODULE WITH IMPROVED LIGHT OUTPUT

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(51) International classification	:H01L 33/60
(31) Priority Document No	:09154642.4
(32) Priority Date	:09/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/052453
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/102910
(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)TRIDONIC JENNERSDORF GMBH**

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JENNERSDORF, AUSTRIA

(72)Name of Inventor :

**1)PACHLER, PETER**

(57) Abstract :

A LED module comprises a printed circuit board or a SMD carrier. At least one LED chip is mounted on the board or carrier. An element is arranged, i.e. dispensed or mounted, on top of the LED chip. The surface of the board or carrier, on which the globe top is dispensed, is covered with white reflective material contacting the LED chip, preferably at its side walls. Alternatively, said element is partially covered with said reflective material.

No. of Pages : 33 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1407/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR FORMING CONDUCTORS OF AN ENERGY GENERATING DEVICE

(51) International classification	:H01M
(31) Priority Document No	:61/218,723
(32) Priority Date	:19/06/2009
(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)WHITE BOX, INC.**

Address of Applicant :ONE RIVER BEND DRIVE, P.O.  
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(72)**Name of Inventor :**

**1)MILTON B. HOLLANDER**

**2)JAMES J. FERGUSON**

(57) Abstract :

An electrical circuit is presented that includes an anode conductor formed from a first wire lead and a cathode conductor formed from a second wire lead. The first wire lead and the second wire lead are each comprised of wire having a predetermined diameter. At least a portion of the predetermined diameter of at least one of the first and the second wire leads is compressed to provide an increased surface area. In one embodiment, the anode and the cathode conductors are disposed about an electrolyte material of an energy generating device, e.g., a fuel cell. The increased surface area of the at least one first and the second leads increases a total collected energy of the fuel cell without increasing the conductor mass or tensile strength such that weight and other characteristics of the fuel cell are not adversely impacted as compared to conventional fuel cell arrangements.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.2594/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR SYNTHETIC JET COOLING

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(51) International classification

:H01L

(31) Priority Document No

:12/889,804

(32) Priority Date

:24/09/2010

(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 synthetic jet cooling system (100) including a plurality of synthetic jet assemblies (102) configured to be positioned adjacent a component (104) that generates excess heat, each of the plurality of synthetic jet assemblies including a driver (116) configured to excite a respective one of the plurality of synthetic jet assemblies at a varying frequency.

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

(71)Name of Applicant :

**1)GE AVIATION SYSTEMS LLC**

Address of Applicant :3290 PATTERSON AVENUE, SE  
GRAND RAPIDS, MICHIGAN 49512-1991, U.S.A.

(72)Name of Inventor :

**1)STREYLE JOHN JAY**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6781/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DUAL ACTION DENTIFRICE COMPOSITIONS TO PREVENT HYPERSENSITIVITY AND PROMOTE REMINERALIZATION

(51) International classification	:A61K 8/19	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/165,749	<b>1)COLGATE - PALMOLIVE COMPANY</b>
(32) Priority Date	:01/04/2009	Address of Applicant :300 PARK AVENUE, NEW YORK, NY 10022 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/029684	<b>1)CHOPRA SUMAN KUMAR</b>
Filing Date	:01/04/2010	<b>2)PRENCIPE MICHAEL</b>
(87) International Publication No	:WO 2010/115039	<b>3)ZAIDEL LYNETTE</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 encompasses combinations of bioactive glass composition and potassium salts that are useful in conjunction with delivery agent such as, for example, toothpastes, mouthwashes, and oral gels. In certain embodiments, the compositions of the invention form a rapid and continuous reaction with body fluids (e.g., saliva) to promote the immediate and long- term release of Ca and P ions to produce a stable crystalline layer deposited onto and into the dentin tubules for the immediate and long term reduction of dentin hypersensitivity and tooth surface remineralization.

No. of Pages : 41 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6782/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : NON - AQUEOUS DENTIFRICE COMPOSITION WITH BIOACCEPTABLE AND BIOACTIVE GLASS AND METHODS OF USE AND MANUFACTURE THEREOF

(51) International classification	:A61K 8/25
(31) Priority Document No	:61/165,795
(32) Priority Date	:01/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/029682 :01/04/2010
(87) International Publication No	:WO 2010/115037
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number 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)MANDADI PRAKASARAO**

**2)CHOPRA SUMAN KUMAR**

**3)ZAIDEL LYNETTE**

**4)PRENCIPE MICHAEL**

---

(57) Abstract :

The invention encompasses non-aqueous dentifrice compositions containing a bioacceptable and bioactive glass with improved mouth-feel, foam, and product stability. More particularly, the invention encompasses non-aqueous compositions including combinations including carrageenan and/or carboxymethylcellulose gums, glycerin, ethylene oxide/propylene oxide copolymers, and a bioactive glass and methods of use the compositions in an oral care product, for example, a whitening toothpaste, for hypersensitive teeth.

No. of Pages : 37 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6783/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ACHILLES AND FOOT ARCH STRETCHING DEVICES AND METHODS PERFORMED THEREWITH

(51) International classification	:A63B 23/08	(71) <b>Name of Applicant :</b> <b>1)GOURINENI PRASAD</b> Address of Applicant :3420 ADAMS RD. OAK BROOK, ILLINOIS 60573, U.S.A.
(31) Priority Document No	:61/164,975	
(32) Priority Date	:31/03/2009	
(33) Name of priority country	:U.A.E.	
(86) International Application No	:PCT/US2010/029302	(72) <b>Name of Inventor :</b> <b>1)GOURINENI PRASAD</b>
Filing Date	:31/03/2010	
(87) International Publication No	:WO 2010/117827	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Therapeutic devices (10) and methods suitable for stretching the Achilles tendon. Each device (10) includes a base portion (14) and at least one wedge portion (12). The wedge portion (12) has heel and toe ends (16,18), inside-foot and outside-foot edges (20,22), and an upper surface (24). The upper surface (24) has a nonuniform elevation relative to the base portion (14) as a result of the wedge portion (12) having a fore-aft taper in the fore-aft direction and a lateral taper in the lateral direction, wherein the inside-foot edge (20) has an increasing elevation toward the toe end (18). The wedge portion (12) further has a nonconstant lateral width as a result of the toe end (18) being wider than the heel end (16). The fore-aft and lateral tapers are sufficient so that placement of a user's foot on the upper surface (24) causes supination and locking of the foot and enables stretching of the Achilles complex.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.2675/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PAPER SHEET HANDLING APPARATUS

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2011-061556	<b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1 - 1, SHIBAURA 1 - CHOME, MINATO - KU, TOKYO 105 - 8001, JAPAN
(32) Priority Date	:18/03/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SAKOGUCHI YOSHITAKA</b> <b>2)MUKAI KAZUHIRO</b> <b>3)OOSAWA 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	

(57) Abstract :

According to one embodiment, a paper sheet handling apparatus includes a supply unit including a support surface which tilts from a vertical direction, and a mounting surface substantially perpendicular to the support surface, and configured to receive a plurality of paper sheets which tilt along the support surface and are stacked on the mounting surface, a pick up mechanism configured to pick up the paper sheets from a mounting surface side of the supply unit, a conveyance path configured to convey the picked up paper sheet, an inspection device configured to inspect the conveyed paper sheet, and an accumulation unit configured to accumulate the inspected paper sheets.

No. of Pages : 86 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.2676/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ACCUMULATING AND STRAPPING APPARATUS

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(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2011-063290	<b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1 - 1, SHIBAURA 1 - CHOME, MINATO - KU, TOKYO 105 - 8001, JAPAN
(32) Priority Date	:22/03/2011	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SAKOGUCHI YOSHITAKA</b> <b>2)MUKAI KAZUHIRO</b> <b>3)SHINFUKU TAKAHITO</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	

---

(57) Abstract :

According to one embodiment, an accumulating and strapping apparatus includes a first accumulation device configured to accumulate paper sheets, a second accumulation device, a strapping device configured to strap a bundle of the accumulated paper sheets by a tape, a base carrier provided movably up and down among a first position, a second position, and a third position, and a sheet carrier movable on the base carrier. The sheet carrier is configured to receive the accumulated paper sheets from the first accumulation device at the first position of the base carrier, move from a standby position to an advanced position at the third position of the base carrier to transfer the accumulated paper sheets to the strapping device, and move from the standby position to the advanced position at the second position of the base carrier to receive the accumulated paper sheets from the second accumulation device.

No. of Pages : 52 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.2677/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR THE EXECUTION OF ADAPTABLE COMPOSED COMPUTER - IMPLEMENTED SERVICES WITH INTEGRATED POLICIES

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/969,331	<b>1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)</b>
(32) Priority Date	:15/12/2010	Address of Applicant :SE - 164 83 STOCKHOLM (SE)
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)OHLMAN, BORJE</b>
(87) International Publication No	:NA	<b>2)DANTAS, RAMIDE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KAMIENSKI, CARLOS</b>
Filing Date	:NA	<b>4)SADOK, DJAMEL</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one aspect, a method of executing a composed computer-implemented service having at least one policy integrated therein is provided. The method comprises executing a service portion of said composed computer-implemented service, and executing a policy portion of the composed computer-implemented service at substantially the same time as said step of executing said service portion of said composed computer-implemented service. The policy portion of the composed computer-implemented service affects a behavior of the composed computer-implemented service. The policy portion of the composed computer-implemented service and the service portion of the composed computer-implemented service are integrated into a same service code.

No. of Pages : 56 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6862/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CERAMIC PRODUCT

(51) International classification	:C04B 35/10
(31) Priority Document No	:09002411.8
(32) Priority Date	:20/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/000758
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/094410
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MOMENTIVE SPECIALTY CHEMICALS GMBH**  
Address of Applicant :GENNAER STR. 2 - 4, D - 58642  
ISERLOHN - LETMATHE, GERMANY

(72)Name of Inventor :

**1)JOSEF SUREN  
2)PETER STRACKE  
3)CHRISTOS ANEZIRIS  
4)STEFFEN DUDCZIG**

(57) Abstract :

A ceramic product produced from a mixture of natural and/or synthetic inorganic nonmetallic raw materials, at least one binder and optionally further additives, wherein the mixture comprises a) at least 10% by weight (based on the weight of all solids of the mixture) of oxidic constituents, b) from 0.05 to 2.7% by weight (based on the weight of all solids of the mixture) of at least one organic-based binder which has a plasticizing effect in the mixture and c) from 3 to 10% by weight (based on the weight of all solids of the mixture) of a water-containing dispersion medium and the ceramic product after use at temperatures above 600 °C contains less than 0.1% by weight (based on the total weight of the ceramic product) of carbon.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.2646/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DIGITAL ADVERTISING SYSTEM.

(51) International classification	:F02H	(71) <b>Name of Applicant :</b> <b>1)INTEL CORPORATION</b> Address of Applicant :2200 MISSION COLLEGE BLVD, SANTA CLARA, CA 95052, 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	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A digital advertising system includes an advertisements module that provides a number of digital advertisements for display on a digital display device. A digital sign module including the digital display device displays digital advertisements provided by the advertisements module, and captures video analytics data relating to previous viewers of the digital advertisements displayed by the digital sign module. A data mining module retrieves the video analytics data from the digital sign module and generates trained advertising models based thereon using a data mining algorithm. A content management system module coupled to the advertisements module and the data mining module receives the digital advertisements and the trained advertising models and generates a subset of the advertisements for display based on the trained advertising models.

No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2011

(21) Application No.55/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SPINNING PACK FOR MELT-SPINNING APPARATUS

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(51) International classification

:D01D

(31) Priority Document No

:2010-

(32) Priority Date

009411 :19/01/2010

(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 :

**1)TMT MACHINERY, INC.**  
Address of Applicant :6TH F1., OSAKA GREEN BLDG., 2-6-26, KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN

(72)Name of Inventor :

**1)KAWAMOTO KAZUHIRO**  
**2)NISHIOJI MAKOTO**

(57) Abstract :

A spinning pack for a melt spinning apparatus includes & cylindrical pack body to define an outer shape of the spinning pack, a retainer in which at least one flow path is formed, a spinneret provided below the retainer and including at least one spinning hole group provided in the spinneret to communicate with the at least one flow path, and a metal gasket provided between the retainer and the spinneret. Sides of the metal gasket that respectively contact the retainer and the spinneret are formed in a flat shape. Any one of a side of the retainer contacting the metal gasket and a side of the spinneret contacting the metal gasket includes any one of a recess portion and a protrusion portion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6870/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPOSITIONS AND METHODS

(51) International classification	:A61K 38/17
(31) Priority Document No	:0903913.2
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000391
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/100428
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MEDICAL RESEARCH COUNCIL**

Address of Applicant :2ND FLOOR DAVID PHILLIPS  
BUILDING, POLARIS HOUSE, NORTH STAR AVENUE,  
SWINDON SN2 1FL, UNITED KINGDOM

(72)Name of Inventor :

**1)YOSHINORI TAKEI**

(57) Abstract :

The invention relates to a method for alleviating the inhibition of neurite outgrowth from a neurone, wherein said neurone comprises a Nogo receptor, said method comprising contacting said neurone with a composition capable of causing phosphorylation of a Nogo receptor, wherein said composition comprises protein kinase A or casein kinase

No. of Pages : 58 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6873/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DROPLET FORMING FLUID TREATMENT DEVICES AND METHODS OF FORMING DROPLETS IN A FLUID TREATMENT DEVICE

(51) International classification	:C02F 1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,158	<b>1)PUR WATER PURIFICATION PRODUCTS, INC.</b>
(32) Priority Date	:27/03/2009	Address of Applicant :ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OH 45202, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/028766	<b>1)RIEDEL, RICHARD, PAUL</b>
Filing Date	:26/03/2010	<b>2)UTSCH, DOUGLAS, ROBERT</b>
(87) International Publication No	:WO 2010/111564	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fluid treatment device includes a housing having an upper portion including an upper reservoir for receiving unfiltered fluid, a lower portion including a lower reservoir for receiving filtered fluid and an intermediate portion including a rain-effect delivery system that receives fluid from the upper reservoir. The rain-effect delivery system including a plurality of droplet forming features arranged and configured for providing a plurality of discrete drop points for formation of individual droplets on a fluid delivery surface of the rain-effect delivery system.

No. of Pages : 29 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6874/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DATA PROCESSING AND CHARGING APPARATUS FOR WIRELESS IC TAGS

(51) International classification	:H04L
(31) Priority Document No	:2010-132489
(32) Priority Date	:09/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062863
Filing Date	:23/07/2010
(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)MITOMO CORPORTATION**

Address of Applicant :10-4 MEGURO-CHO, SEYA-KU,  
YOKOHAMA-SHI, KANAGAWA, JAPAN

(72)Name of Inventor :

**1)KAGA KIKUO**

**2)ASHIZAWA SHIGEO**

(57) Abstract :

The present invention provides a data processing and charging apparatus for wireless IC tags, which can align wireless IC tags in a given direction to supply/feed them to a data writing/reading unit, can eliminate information writing errors and reading errors, can be placed to a desired place being distant from the mixing/kneading tank for receiving the object to be charged with wireless IC tags, and can securely charge wireless IC tags to the object to be charged without causing blockade at the charging inlet. The data processing and charging apparatus 10 for wireless IC tags according to this invention includes a vibration/alignment unit 15 for aligning wireless IC tags in the same direction by applying vibrating force, a distribution unit 16 for distributing the fed wireless IC tags in the aligned state to plural passages, a radio communication unit 17 for performing data writing and/or reading to/from the distributed wireless IC tags through radio communication, and a wireless IC tag charging unit 20 for charging the wireless IC tags to/from which data writing and/or reading has been done to the object to be charged with wireless IC tags by applying air pressure.

No. of Pages : 55 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2010

(21) Application No.1662/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMMUNICATING ENERGY STORAGES WITH DIFFERENT FUNCTIONS

(51) International classification	:H02P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/512,110	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:30/07/2009	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)NIES JACOB J.</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 integrated system of communicating energy storage devices 405 for supplying an alternate power source to operating systems for a wind turbine 530 connected to an electrical grid 540, is provided. The integrated system 405 includes at least one wind turbine 530 with a rotor 106, the wind turbine being connected to an electrical grid. At least one operating system 525, 581, 582 of the at least one wind turbine 530 requires an alternate power source during a wind turbine operating condition. Further included are multiple energy storage devices 431, 432, 433 capable of supplying the alternate power source. Communication of energy storage between at least two of energy storage devices 431, 432, 433 is provided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.2589/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : APPARATUS FOR FABRICATING A GLASS ROD AND METHOD OF SAME

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(51) International classification	:G01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-200506	<b>1)SHIN-ETSU CHEMICAL CO., LTD.</b> Address of Applicant :6-1, OHTE-MACHI 2-CHOME, CHIYODA-KU, TOKYO 1000004, JAPAN
(32) Priority Date	:08/09/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)TETSUYA OTOSAKA</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 present invention provides an apparatus and a method for fabricating a glass rod capable of suppressing a diameter fluctuation of a drawn glass rod even in a case of a relatively large diameter reduction ratio between a glass preform and a glass rod, such as 60 to 95%. the diameter (D) of the glass preform for determining the ratio from a measured diameter data is acquired, the measured diameter data is obtained by measuring a diameter of the glass preform before being drawn along a longitudinal direction of the preform, and the feed speed (V1) is determined so that the feed speed (V1) varies depending on a fluctuation of the measured diameter data in the longitudinal direction.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/08/2011

(21) Application No.6490/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FREE FORM OPHTHALMIC LENS

(51) International classification	:B29D 11/00
(31) Priority Document No	:12/396,019
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025773
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/101831
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)JOHNSON & JOHNSON VISION CARE, INC.**  
Address of Applicant :7500 CENTURION PARKWAY,  
JACKSONVILLE, FL 32256, U.S.A.

(72)Name of Inventor :

**1)MICHAEL F. WIDMAN  
2)JOHN B. ENNS  
3)P. MARK POWELL  
4)PETER W. SITES**

(57) Abstract :

This invention provides for an ophthalmic lens with at least one portion of the lens including multiple voxels of polymerized crosslinkable material. In addition, the present invention provides for apparatus for generating an ophthalmic lens with at least one portion including multiple voxels of polymerized crosslinkable material. In some embodiments, an ophthalmic Lens includes a surface with one or both of a raised area and a depressed area.

No. of Pages : 87 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7002/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : IMAGING METHOD

(51) International classification	:A61B 5/103
(31) Priority Document No	:0904080.9
(32) Priority Date	:09/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000421
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/103267
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MOLOGIC LTD

Address of Applicant :COLWORTH SCIENCE PARK,  
SHARNBROOK, BEDFORDSHIRE MK44 1LQ (GB) U.K.

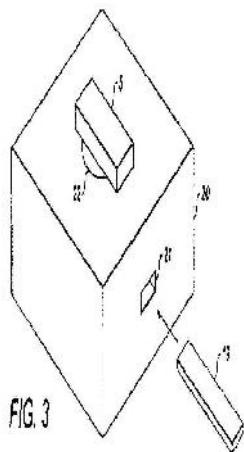
(72)Name of Inventor :

1)DAVIS, PAUL

2)EDWARDS, STEVE

(57) Abstract :

A docking station for use in combined imaging of a tissue wound and a test substrate comprising a sample from a tissue wound, the docking station comprises means for connecting the station to a processor which processes and stores the images. The docking station also incorporates means for receiving a test substrate comprising a sample from a tissue wound. The docking station also includes means for docking a sensor in the station, which sensor detects the light reflected from an illuminated tissue wound, such that an image of the tissue wound can be communicated from the station to the processor. The means for docking is arranged such that when the sensor is docked in the station and the test substrate is received by the docking station, the sensor is positioned to detect the intensity of reflected light from the test substrate and communicates the detected intensity of reflected light to the processor to thus permit combined imaging of the tissue wound and test substrate. An apparatus for use in combined imaging of a tissue wound and a test substrate comprising a sample from a tissue wound, comprises such a docking station together with a sensor which detects the light reflected from a tissue wound and test substrate when illuminated and a test substrate for receiving a sample from a tissue wound. A method of imaging a wound comprises directing light over a wavelength range of less than 50nm onto the wound (9). The light reflected from the wound (9) is detected with a sensor (5) that is sensitive to the intensity of the reflected light. The intensity of the reflected light is measured.



No. of Pages : 21 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6875/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : GAS MIST PRESSURE BATHING COVER

(51) International classification	:A61H 33/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-055946	<b>1)NAKAMURA SHOICHI</b>
(32) Priority Date	:10/03/2009	Address of Applicant :1468, HIGASHIJO, CHIKUHOKUMURA, HIGASHICHIKUMA-GUN, NAGANO 3997502, JAPAN
(33) Name of priority country	:Japan	<b>2)ACP JAPAN CO. LTD.</b>
(86) International Application No	:PCT/JP2010/053863	(72) <b>Name of Inventor :</b>
Filing Date	:09/03/2010	<b>1)NAKAMURA SHOICHI</b>
(87) International Publication No	:WO 2010/104063	
(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 to provide a gas mist pressure bathing cover which is simple in a structure and easy in pressurization. The gas mist pressure bathing cover 1, in which a mist (called as gas mist hereafter) is prepared at a density of not less than a predetermined value by pulverizing and dissolving carbon dioxide, oxygen, otherwise a mixed gas (called as gas hereafter) of carbon dioxide and oxygen and a liquid, and the thus prepared gas mist is contacted to the skin and mucous membrane of a living organism, comprises a living organism covering member 11 for covering the skin and mucous membrane of the living organism, a gas mist supply port 12 for introducing the gas mist into the living organism covering member and having a back-flow checking valve inside of the living organism covering member 11, a discharge port 13 for adjusting air, gas and pressure of the gas mist within the living organism covering member, and a pressure means 21 winding round an outer periphery of the living organism covering member at its opening portion in order to reduce its diameter and tighten the living organism covering member.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7050/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : HEPATITIS C VIRUS INHIBITORS

(51) International classification	:A01N 43/52	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/156, 131	<b>1)ENANTA PHARMACEUTICALS, INC.</b>
(32) Priority Date	:27/02/2009	Address of Applicant :500 ARSENAL STREET,
(33) Name of priority country	:U.S.A.	WATERTOWN, MA 02472, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/025741	(72) <b>Name of Inventor :</b>
Filing Date	:01/03/2010	<b>1)YAO - LING QIU</b>
(87) International Publication No	:WO 2010/099527	<b>2)WANG CE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)XIAOWEN PENG</b>
Filing Date	:NA	<b>4)LU YING</b>
(62) Divisional to Application Number	:NA	<b>5)YAT SUN OR</b>
Filing Date	:NA	

(57) Abstract :

The present invention discloses compounds or pharmaceutically acceptable salts, esters, or prodrugs thereof, which inhibit RNA-containing virus, particularly the hepatitis C virus (HCV). Consequently, the compounds of the present invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. The present invention further relates to pharmaceutical compositions comprising the aforementioned compounds for administration to a subject suffering from HCV infection. The invention also relates to methods of treating an HCV infection in a subject by administering a pharmaceutical composition comprising the compounds of the present invention.

No. of Pages : 222 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7051/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : IMAGE PROCESSING DEVICE, SIGNAL PROCESSING DEVICE, AND PROGRAM

(51) International classification	:H04N 5/351
(31) Priority Document No	:2010-018714
(32) Priority Date	:29/01/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/050041
Filing Date	:05/01/2011
(87) International Publication No	:WO 2011/093112
(61) 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 1080075, JAPAN

(72)Name of Inventor :

**1)SHIGEYUKI BABA**

**2)SHINICHI YOSHIMURA**

---

(57) Abstract :

An apparatus and a method which enable effective removal of flicker are provided. Under an illumination environment such as a fluorescent lamp with luminance variation, flicker that occurs in images shot with an X-Y address scanning type imaging device such as a CMOS is effectively removed or reduced. The integral value of the row-by-row signal intensity of an image to be corrected from which to remove flicker is calculated, and this integral value is used to detect flicker components contained in individual rows of an image frame. The detected flicker components represent data according to the actual flicker waveform of the illumination, and a correction process is executed using flicker correction coefficients formed by an anti-phase pattern of the flicker components. Effective flicker removal becomes possible through this process.

No. of Pages : 98 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7052/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD OF COOLING RAIL WELD ZONE, DEVICE FOR COOLING RAIL WELD ZONE, AND RAIL WELD JOINT

(51) International classification	:C21D 9/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-081587	<b>1)NIPPON STEEL CORPORATION</b>
(32) Priority Date	:30/03/2009	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/JP2010/002303	<b>1)KENICHI KARIMINE</b>
Filing Date	:30/03/2010	<b>2)MASAHARU UEDA</b>
(87) International Publication No	:WO 2010/116680	<b>3)KATSUYA IWANO</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SEIJI SUGIYAMA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a method of cooling a rail weld zone. The method includes a first rail web portion cooling process of cooling a rail web portion cooling region of the rail weld zone in a part of a temperature range until the completion of transformation from austenite to pearlite, a second rail web portion cooling process of cooling the rail web portion cooling region after the entire rail web portion of the rail weld zone is transformed to pearlite, a foot portion cooling process of cooling a foot portion of the rail weld zone, and a head portion cooling process of cooling a head portion of the rail weld zone. When cooling time of the first and second rail web portion cooling processes is t minute, a k value satisfies an expression represented as  $-0.1t+0.63 \leq k \leq -0.1t+2.33$ .

No. of Pages : 168 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.2631/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A SWITCHING DEVICE FOR SANITARY FITTINGS, IN PARTICULAR SHOWERS, BATHTUBS AND THE LIKE

(51) International classification

:B23B

(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)BOLLO, PATRIZIA**

Address of Applicant :VIA STAZIONE, 21 I - 28010

CAVAGLIO D'AGOGNA, (NOVARA), Italy

(72)Name of Inventor :

**1)BOLLO, PATRIZIA**

(57) Abstract :

A switching device for sanitary fittings such as showers and bathtubs, characterized in that said switching device comprises a control rod element movable in a support associated with a mixing cartridge, said control rod element having at least two water delivery positions thereat a mixed water flow is conveyed either to one or to the other of two or more separated directrix lines corresponding to two or more separated using places.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6764/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PIPERAZINE COMPOUND CAPABLE OF INHIBITING PROSTAGLANDIN D SYNTHASE

(51) International classification	:C07D 401/12
(31) Priority Document No	:2009-055721
(32) Priority Date	:09/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053760
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/104024
(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)YOSHIHIRO URADE

2)MAKOTO KITADE

3)KAZUHIKO SHIGENO

4)KEIKO YAMANE

5)KATSUNAO TANAKA

---

(57) Abstract :

This invention relates to a piperazine compound represented by Formula (I), wherein R1 is C1-6 alkyl; R2 is hydroxy, C1-6 alkyl that may have one or more substituents, -(C=O)-N(R3) (R4), or - (C=O)-OR5; R3 and R4 are the same or different, and each represents hydrogen or C1-6 alkyl that may have one or more substituents, or R3 and R4, taken together with a nitrogen atom to which R3 and R4 are attached, may form a saturated heterocyclic group; R5 is hydrogen or C1-6 alkyl that may have one or more substituents; and n is 1 or 2; or a salt thereof.

No. of Pages : 81 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6766/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : FULVESTRANT NANOSPHERE/MICROSPHERE AND PREPARATIVE METHOD AND USE THEREOF

(51) International classification	:A61K 31/565	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)XI'AN LIBANG PHARMACEUTICAL TECHNOLOGY CO., LTD.</b>
(32) Priority Date	:NA	Address of Applicant :ROOM 401 BUILDING C, PIONEERING R & D PARK, NO. 69 JINYE ROAD, XI'AN CITY, SHAANXI 710065, CHINA
(33) Name of priority country	:NA	
(86) International Application No	:PCT/CN2009/000990	(72) <b>Name of Inventor :</b>
Filing Date	:31/08/2009	<b>1)RENLE HU</b>
(87) International Publication No	:WO 2011/022861	<b>2)JIUCHENG WANG</b>
(61) Patent of Addition to Application Number	:NA	<b>3)YAQI JIAO</b>
Filing Date	:NA	<b>4)HUA LIANG</b>
(62) Divisional to Application Number	:NA	<b>5)DUOHAO DING</b>
Filing Date	:NA	

(57) Abstract :

Fulvestrant nanosphere/microsphere and preparation method and use thereof are provided in the present invention. The carrier material of the fulvestrant nanosphere /microsphere is methoxy ended polyethylene glycol-polylactic acid block copolymer. The nanosphere/microsphere is prepared by solvent-nonsolvent method, in-liquid drying method and/or spray drying method, and has the features of high drug loading and high encapsulation efficiency, controllable release of medicine and no irritant to application site or blood vessel. The fulvestrant nanosphere/microsphere can be used to treat metastatic advanced breast cancer in post-menopausal woman.

No. of Pages : 46 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7067/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CHEMICALLY RESISTANT MEMBRANES, COATINGS AND FILMS AND METHODS FOR THEIR PREPARATION

(51) International classification	:B01D 69/12
(31) Priority Document No	:61/202,328
(32) Priority Date	:19/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000148
Filing Date	:21/02/2010
(87) International Publication No	:WO 2010/095139
(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)LINDER CHARLES  
2)KEDEM ORA  
3)OREN YORAM**

---

**(57) Abstract :**

There is provided herein a membrane or film comprising one or more aromatic ionomers covalently crosslinked through aryl-aryl (-Ar-Ar-), aryl-ether-aryl (-Ar-O-Ar-), aryl-sulfide-aryl (-Ar-S-Ar-), aryl-sulfone-aryl bonds, or any combination thereof, wherein said one or more aromatic ionomers further comprises at least one electron withdrawing group adapted to improve oxidant resistance of said membrane or film.

No. of Pages : 62 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7068/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : CHRYSSOPORIUM LUCKNOWENSE PROTEIN PRODUCTION SYSTEM

(51) International classification	:C12N 15/00
(31) Priority Document No	:09003750
(32) Priority Date	:16/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/NL2010/000045
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/107303
(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)VERDOES JACOBA**

**2)PUNT PETER J.**

**3)BURLINGAME RICHARD PAUL**

**4)PYNNONEN CHRISTINE M.**

**5)OLSON PHILLIP T.**

**6)WERY JAN**

**7)VISSER JOHANNES HEINRICH**

**8)EMALFARB MARK A.**

**9)VISSER JACOB**

(57) Abstract :

The present Invention provides a new fungal production system comprising a fungal host strain of Chrysosporium lucknowense wherein the endogenous cellulase secretion is less than 20 % of the endogenous cellulase secretion of Chrysosporium lucknowense strain UV 18-25. Preferably, also the secretion of endogenous protease, endogenous p- glucanase and endogenous cellobiohydrolase is less than 20 % of the secretion of Chrysosporium lucknowense strain UV 18-25. Furthermore, fungal host strains are provided wherein several genes have been disrupted. According to another aspect of the Invention a method for homologous and/or heterologous production of a pure protein with a purity of higher than 75 %, comprising expressing a gene encoding said protein in the strains according to the invention have been described. Furthermore, a method for production of artificial protein mixes comprising expressing a gene encoding each of said proteins in a strain according to the invention have been disclosed. Finally a method for simplified screening of strains functionally expressing a desired enzyme by application of said strains have been provided.

No. of Pages : 68 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/07/2010

(21) Application No.1678/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CORROSION-RESISTANT COATING COMPOSITION

(51) International classification	:C08L
(31) Priority Document No	:09/182218
(32) Priority Date	:05/08/2009
(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 :

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Address of Applicant :33-1, KANZAKI-CHO,  
AMAGASAKI-SHI, HYOGO-KEN 661-0964 JAPAN

(72)Name of Inventor :

1)HIDEKI MATSUDA

(57) Abstract :

A coating composition containing (A) a hydroxyl group-containing coating film-forming resin, (E) a crosslinking agent, (C) an anticorrosion pigment mixture, and (D) phosphate or phosphate salt group-containing resin/ the anticorrosion pigment mixture (C) being an anticorrosion pigment mixture consisting of a combination of (1) a vanadium compound and (2) an ion-exchange silica, the vanadium compound (1) being 3 to 50 parts by weight, the ion-exchange silica (2) being 3 to 50 parts by weight/ phosphate or phosphate salt group-containing resin (D) being 1 to 30 parts by weight per 100 parts by weight of a total solid content of the resin (A) and the crosslinking agent (B) respectively.

No. of Pages : 64 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/06/2010

(21) Application No.4547/DELNP/2010 A

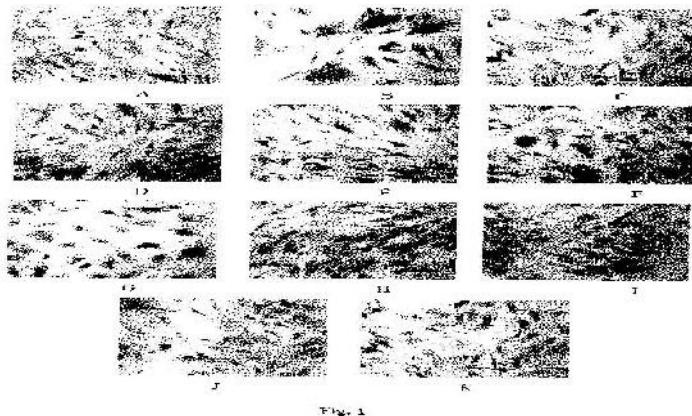
(43) Publication Date : 20/09/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR PREVENTING AND TREATING DIABETIC NEPHROPATHY AND THE PREPARATION METHOD THEREOF

(51) International classification	:A61K	(71) Name of Applicant :
(31) Priority Document No	:CN 200910036717.0	1)GUANGZHOU CONSUN MEDICINE R & D CO. LTD. Address of Applicant :NO. 71, DONGPENG ROAD, EASTERN DISTRICT, ECONOMY TECHNOLOGY DEVELOPMENT PARK, GUANGZHOU 510 530, P. R. CHINA
(32) Priority Date	:16/01/2009	(72) Name of Inventor :
(33) Name of priority country	:China	1)ZHU, QUAN 2)SHI, XINGHUA 3)TANG, DAN 4)ZHENG, ZHAOGUANG 5)HE, BAO 6)DUAN, TINGTING 7)GU, FEI 8)CHENG, HUIQUAN 9)HUANG, XIAOLING 10)HUANG, YANXIA 11)WANG, RUSHANG
(86) International Application No Filing Date	:PCT/CN2009/00352 :01/04/2009	
(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 relates to a pharmaceutical composition for preventing and treating diabetic complications, mainly referring to diabetic nephropathy, and the pharmaceutical composition comprises one or both of calycosin and calycosin-7-O--D-glucoside as 0.1-99.5% by weight based on the total weight of the composition, and the conventional drug carrier. The pharmaceutical composition could significantly prevent and treat diabetic nephropathy, with the convenience of quality control and administration, which provides a new drug candidate for patients with diabetic nephropathy.



No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6631/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FALL ARREST ASSEMBLY

(51) International classification	:E06C 7/18
(31) Priority Document No	:61/196,716
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024967
Filing Date	:23/02/2010
(87) International Publication No	:WO 2010/101727
(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)D B INDUSTRIES INC.

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(72)Name of Inventor :

1)MEILLET, VINCENT, G.

(57) Abstract :

A fall arrest assembly that includes a rotational drum, at least one pawl and a catch is provided. The rotational drum is configured to rotate in response to a movement of a lifeline. The least one pawl is in rotational communication with the rotational drum. The at least one pawl is further configured to pivot about a pivot connection in response to select rotational velocities of the rotational drum. The at least one pawl is also configured to engage the catch when the at least one pawl pivots in response to the select rotational velocities of the rotational drum to stop the rotation of the rotational drum and movement of the lifeline. An elastic bushing for each pivot connection is also used. Each elastic bushing is positioned about an associated pivot connection of an associated pawl. The elastic bushings deform in shape as an associated pawl engages the at least one portion of the catch.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6776/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : HOUSING FOR AN OPTICAL FIBER ASSEMBLY

(51) International classification	:G02B 6/44
(31) Priority Document No	:09001819.3
(32) Priority Date	:10/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/051429
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/092008
(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)BRYON, ROEL MODEST WILLY

2)VASTMANS, KRIST OF

3)VERHEYDEN, DANNY WILLY AUGUST

(57) Abstract :

The present invention relates to a housing for an optical fiber assembly allowing compact storage of optical fiber elements while still providing possibility to efficiently splice individual optical fiber elements. The housing of the invention is adapted to receive a first and a second loop (L1, L2) of an optical cable and comprises a first set of guiding means (46) defining a first plane (P1) for receiving the first loop (L1) and a second set of guiding means (28, 48, 56) defining a second plane (P2) for receiving the second loop (L2, 24), wherein the planes (P1, P2) are under a substantial angle. (Fig. 5)

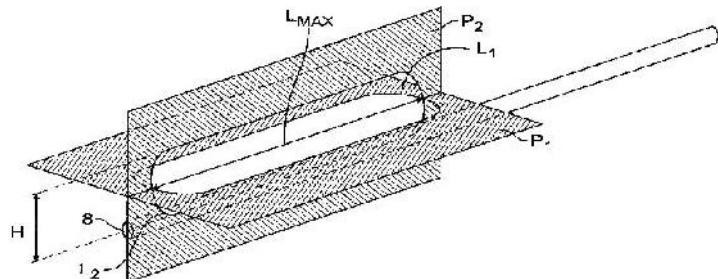


Fig. 5

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7063/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : COMPOSITIONS OF ESTERS OF FLUOROSUBSTITUTED ALCANOIC ACIDS

(51) International classification	:C07C 69/716
(31) Priority Document No	:61/153,897
(32) Priority Date	:19/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/052067
Filing Date	:18/02/2010
(87) International Publication No	:WO 2010/094746
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SOLVAY FLUOR GMBH**

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(72)Name of Inventor :

**1)BRAUN, MAX**

(57) Abstract :

Composition of esters of fluorosubstituted alcanoic acids, comprising or consisting essentially of a compound of a formula selected from the group consisting of: RCFC1C(OAC)=CHC(O)OR1 (II); RCFHC(O)CH2C(O)OR1 (IV); RCFHC(OAC)=CHC(O)OR1 (V); and RCFHCH(OAC)CH2C(O)OR1 (VI); or of compounds of formula (I) RCFC1C(O)CH2C(O)OR1 and of formula (II); of compovmds of formulae (IV) and (V); or of compounds of formulae (IV) and (VI); wherein R is C2F5, CF3 or F and R1 is an alkyl group with from 1 to 4 carbon atoms, an alkyl group with from 1 to 4 carbon atoms substituted by 1 or more fluorine atoms. A process for the reduction of the compound of formula (I) and/or formula (II), and compositions resulting from such reduction. A process for the separation of the compound of formula (I) from the compound of formula (II) comprising subjecting a composition comprising such compounds to a distillation operation.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/07/2010

(21) Application No.4897/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HERBICIDE FORMULATION

(51) International classification	:A01N
(31) Priority Document No	:61/029,996
(32) Priority Date	:20/02/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2009/000979
Filing Date	:12/02/2009
(87) International Publication No	:WO 2009/103455
(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 :

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(72)Name of Inventor :

1)NELSON ALAN FREDERICK

(57) Abstract :

The present invention relates, inter alia, to a novel herbicide formulation comprising: (a) an aqueous phase; (b) an HPPD inhibitor in suspension in the aqueous phase; (c) an encapsulated chloroacetamide and/or an isoxazoline herbicide in suspension in the aqueous phase; (d) glyphosate and/or glufosinate or an agrochemically acceptable salt thereof, in solution in the aqueous phase. The invention further relates to a process for the preparation of an herbicide formulation of the invention and to a process for the control of unwanted vegetation.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6768/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HIGH MOISTURE BARRIER AND SELF - DESICCATING CONTAINER WITH LIVING HINGE

(51) International classification	:B65D 81/26
(31) Priority Document No	:12/398,751
(32) Priority Date	:05/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025917
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/101915
(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)SAMUEL A. INCORVIA**

**2)THOMAS H. POWERS**

---

(57) Abstract :

A self desiccating container with a living hinge includes a container body made from a resin bonded sorbent and at least one attachment feature, and a container closure having a closure portion engageable with the container body to close the body and an attachment feature compatible with the attachment feature on the container body for securing the closure to the body, and a living hinge connecting the closure portion to the attachment feature.

No. of Pages : 20 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6769/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : LOW VISCOSITY POLYAMIDES

(51) International classification	:C08G 69/08
(31) Priority Document No	:61/158,269
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026460
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/102271
(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)JOHN V. FACINELLI  
2)DAVID LOY  
3)TIMOTHY KRAFT  
4)JOHN MATTSON**

---

(57) Abstract :

A polyamide having a viscosity of between about 20 and about 40 FAV and a number average molecular weight of between about 9,000 and about 16,000 grams per mole is provided. The polyamide also includes un-terminated endgroups, where a difference between a concentration of carboxylic acid endgroups and a concentration of amine endgroups is about 5 meq/kg or less.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6770/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : THERMOPLASTIC POLYURETHANE WITH REDUCED TENDENCY TO BLOOM

(51) International classification	:C08G 18/08
(31) Priority Document No	:61/161,162
(32) Priority Date	:18/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025301
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/107562
(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 :9911 BRECKSVILLE ROAD,  
CLEVELAND, OHIO 44141 - 3247, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)JULIUS FARKAS**

**2)CHARLES P. JACOBS**

(57) Abstract :

The present invention discloses a thermoplastic polyurethane which is comprised of the reaction product of (1) a hydroxyl terminated polyester intermediate, (2) a polyisocyanate, and (3) a glycol chain extender; wherein the hydroxyl terminated polyester intermediate is comprised of repeat units that are derived from 1,3-propylene glycol and a dicarboxylic acid; wherein the hydroxyl terminated polyester intermediate has a number average molecular weight from 500 to 10,000; and wherein the thermoplastic polyurethane includes hard segments that are the reaction product of the polyisocyanate and the glycol chain extender. This thermoplastic polyurethane is unique in that it has a greatly reduced tendency to bloom. This is highly desirable in applications where high clarity is desired because blooming causes articles containing the thermoplastic polyurethane to be hazy or foggy in appearance. Blooming can also reduce the ability of an article made with the thermoplastic polyurethane to be securely bound to another article with an adhesive.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6771/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DISPERSANT COMPOSITION

(51) International classification

:B01F 17/00

(31) Priority Document No

:61/157,397

(32) Priority Date

:04/03/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/025042

Filing Date

:23/02/2010

(87) International Publication No

:WO 2010/101737

(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)LUBRIZOL ADVANCED MATERIALS, INC.**

Address of Applicant :9911 BRECKSVILLE ROAD,  
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AMERICA

(72)Name of Inventor :

**1)DEAN THETFORD**

**2)PATRICK J. SUNDERLAND**

---

(57) Abstract :

The invention relates to a composition containing a particulate solid, an organic or aqueous medium, and a compound with a head group derived from phosphoric acid. The invention further relates to novel compounds, and the use of the compound as a dispersant.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7082/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : THREADED JOINT FOR PIPES

(51) International classification	:F61L 15/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-084623	<b>1)SUMITOMO METAL INDUSTRIES, LTD.</b>
(32) Priority Date	:31/03/2009	Address of Applicant :5 - 33, KITAHAMA 4 - CHOME CHUO - KU, OSAKA - SHI OSAKA 541 - 0041, JAPAN
(33) Name of priority country	:Japan	<b>2)VALLOUREC MENNESMANN OIL &amp; GAS FRANCE</b>
(86) International Application No	:PCT/JP2010/056273	(72) <b>Name of Inventor :</b>
Filing Date	:31/03/2010	<b>1)KURANISHI, TAKAO</b>
(87) International Publication No	:WO 2010/114168	<b>2)GOTO, KUNIO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MATSUMOTO, KEISHI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A solid lubricating coating formed on a contact surface of a threaded joint for pipes has a matrix of a lubricating oil-containing polymer. The lubricating oil-containing polymer has either a uniform composition or a gradient composition in which the concentration of lubricating oil decreases towards the contact surface and in which there is substantially no lubricating oil in the vicinity of the contact surface.

No. of Pages : 43 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.2600/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARING ANIMAL PROTEIN MEAL

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(51) International classification	:H01L
(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)AADESH CHOPRA

Address of Applicant :S-305, GREATER KAILASH-1, NEW DELHI-110048, INDIA

2)SANJIV OHRI

(72)Name of Inventor :

1)AADESH CHOPRA

2)SANJIV OHRI

---

(57) Abstract :

An improved process for preparing a processed animal origin high protein and low ash meal characterized by treating soft animal tissues or offal's without any bone with steam, by direct heating and some indirect heating to produce consistent high protein comprising of more than 70% crude protein and less than 5% ash content, wherein the said processed animal protein is meant for other than human consumption.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.2602/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ROLL FORM WHEEL DRESSER WITH MULTIPLE CURVATURES FOR DRESSING DIFFERENT SIZED GRINDING WHEELS

(51) International classification	:H01L	(71) <b>Name of Applicant :</b> <b>1)NATIONAL ENGINEERING INDUSTRIES LTD.</b> Address of Applicant :KATIPURA ROAD, JAIPUR-302001, RAJASTHAN 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 MUKESH</b> <b>2)TIKKIWAL PAWAN</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 roll form wheel dresser for dressing grinding-wheels includes a cylindrical body and a plurality of cavities formed on the cylindrical body. The cylindrical body having a peripheral outer surface is mounted on a rotating shaft and rotates there with. The plurality of cavities are disposed on and extending along the peripheral outer surface of the cylindrical body to enable the roll form wheel dresser to simultaneously dress more than one grinding wheel, wherein each cavity is having a profile adapted to receive a peripheral portion of a grinding wheel of a predetermined size and shape. The cavity is provided with cutting points disposed on external surface thereof such that the cutting points rub against the peripheral portion of the grinding wheel received in the cavity to cause dressing of the grinding wheel.

No. of Pages : 26 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6833/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BLOOD PUMP SYSTEM WITH CONTROLLED WEANING

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(51) International classification	:A61M 1/10
(31) Priority Document No	:12/394,205
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025531
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/099403
(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)THORATEC CORPORATION**

Address of Applicant :6035 STONERIDGE DRIVE,  
PLEASANTON, CA 94588, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)VICTOR POIRIER**

(57) Abstract :

Materials and methods related to blood pump systems are described. These can be used in patients to, for example, monitor arterial pressure measure blood flow, maintain left ventricular pressure within a particular range, avoid left ventricular collapse, prevent fusion of the aortic valve in a subject having a blood pump, and provide a means to wean a patient from a blood pump.

No. of Pages : 52 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6993/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PALLETS MADE OF PLASTICS OR PAPER

(51) International classification	:B65D 19/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/AU2010/000437
Filing Date	:19/04/2010
(87) International Publication No	:WO 2011/003126
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VINEX SINGAPORE PTE LTD**

Address of Applicant :17 PHILIP STREET, #06-00 GRAND  
BUILDING, SINGAPORE.

(72)Name of Inventor :

**1)JAIN VINOD KUMAR**

**2)JAIN ANIRUDH**

(57) Abstract :

There is disclosed a knockdown pallet system (10) typically of cardboard or plastic, for forming a pallet (12). The system includes a first pallet sheet (14) with primary flaps (20) joined at crease lines, and foldable to extend perpendicularly. A second pallet sheet (16) has apertures (30) for releasably locating the primary flaps so that the these flaps space the sheets apart in a parallel relationship. One of the sheets serves as a base for the pallet while the other is for supporting a load. Some of the flaps of one of the sheets have locking flaps (38) which are foldable to extend through complementary apertures (44) in adjacent flaps of the other sheet, to lock the sheets together. The invention also includes foldable support sheets (80) for forming reinforcement structures, and a foldable pallet bin sheet (96) for forming a pallet bin with flaps for locking onto the pallet.

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7115/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OVERMOLDING STEEL WHEEL

(51) International classification	:B60B 1/10
(31) Priority Document No	:61/156,554
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/BR2010/000060
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/099588
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)IOCHPE-MAXION S.A**

Address of Applicant :AV. MAJOR JOSE LEVY  
SOBRINHO, 2700 JARDIM NEREIDE, 13486-190 LIMEIRA  
SP, BR-BRASIL.

(72)Name of Inventor :

**1)FIOR ANDRE**

**2)DE OLIVEIRA MARCIO APARECIDO**

**3)T. MITSUYASSU FERNANDO**

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(57) Abstract :

The present invention refers to a vehicle wheel (10) comprising a rim (12) having an inner peripheral surface, a center disc portion (14) spaced radially inwardly from said inner peripheral surface, said center disc portion comprising a body (18) having a plurality of protruding portions (22) separated from each other by curved recesses (24) and a plurality of structural arms (16) with each structural arm having a first arm end (28) attached to said inner peripheral surface of said rim at a first weld attachment interface (34) and a second arm end (30) received within one of said curved recesses of said stamped body, and wherein each of said second arm ends is attached to said center disc portion at a second weld attachment interface (36). The wheel having the combination of structural arms and a center disc portion as described above is of low cost and very robust.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/01/2011

(21) Application No.58/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A LOAD CURRENT MONITORING CIRCUIT AND METHOD AND A FIRE ALARM CONTROL DEVICE

(51) International classification	:H01Q
(31) Priority Document No	:201010001018.5
(32) Priority Date	:18/01/2010
(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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

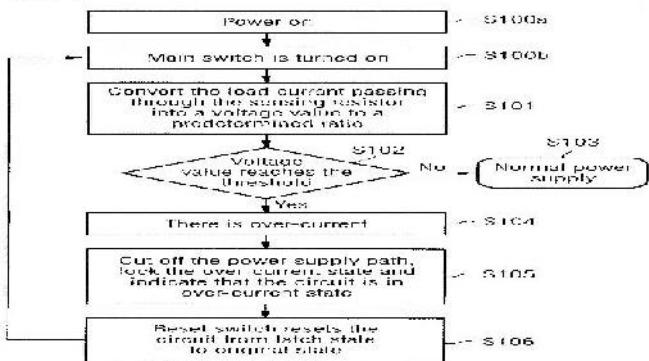
(72)Name of Inventor :

1)FAN YI

(57) Abstract :

The present invention provides a load current monitoring circuit and method and a fire alarm control device, wherein the circuit comprises a power source, a load current sensing resistor for monitoring the load current and a main power switch for controlling the connection and disconnection of the power source, and further comprises a MOSFET bias circuit for controlling the actions of the main switch, an amplifier circuit for converting the value of load current passing through the load current sensing resistor into a voltage value, an operating circuit for cutting off the power supply path and sending a signal indicating the over-current state when the voltage value exceeds the threshold, and a latch circuit for holding the over-current signal. Once the load current exceeds the predetermined threshold, in other words, when an over-current event occurs, the power supply path of the power source will be cut off and the over-current state will be locked within 50  $\mu$ s to avoid compromising normal power supply to internal circuits of the controller. Figure 9

FIG. 9



No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2011

(21) Application No.6824/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD FOR WIRELESS COMMUNICATION POWER CONTROL AND A SUBSCRIBER UNIT

(51) International classification	:H04Q 7/20
(31) Priority Document No	:NA
(32) Priority Date	:07/11/2002
(33) Name of priority country	:PCT
(86) International Application No	:PCT/US02/036030
Filing Date	:07/11/2002
(87) International Publication No	:WO 2004/045228
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1884/DELNP/2005
Filed on	:05/05/2005

(71)Name of Applicant :

1)ADAPTIX INC.

Address of Applicant :4100 MIDWAY ROAD, SUITE 2010,  
CARROLLTON, TX 75007, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)PALANIAPPAN MEIYAPPAN

(57) Abstract :

A method for wireless communication power control, said method comprising: receiving, at a subscriber unit, a power control command, said power control command based, at least in part, upon a determination of a transmit power requirement for said subscriber unit; adjusting, at said subscriber unit, transmit power of said subscriber unit in response to receiving the said power control command; and transmitting data to a base station according to said adjustment.

No. of Pages : 45 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6828/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : VEHICLE SEAT COVER

(51) International classification	:B60N 2/60	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PI 20091094	<b>1)SEATCOVERPRO SDN BHD</b> Address of Applicant :NO. 39.1, JALAN 9/62A, BANDAR MENALAR, KEPONG, 52200, KUALA LUMPUR, MALAYSIA
(32) Priority Date	:18/03/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Malaysia	<b>1)TEOH, WAH LEONG</b>
(86) International Application No	:PCT/MY 2009/000063	<b>2)TEOH, HWA CHENG</b>
Filing Date	:26/05/2009	
(87) International Publication No	:WO 2010/107295	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for attaching a vehicle seat cover (102a, 102b) onto an original cover of a vehicle seat (101) comprising a step of applying a detachable fixing means (105a, 105b, 105c) onto the outer surface (110) of the original cover of the vehicle seat (101) or the inner surface (107) of the vehicle seat cover (102a, 102b) or both at appropriate location and fixing the inner surface (107) of the vehicle seat cover (102a, 102b) closely onto the outer surface (110) of the original cover of the vehicle seat (101) such that the vehicle seat cover (102a, 102b) closely conforms to the contours of the vehicle seat (101).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6983/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : DROPLET FORMING FLUIDTREATMENT DEVICES AND METHODS OF FORMING FILTERED DROPLETS IN A FLUID TREATMENT DEVICE

(51) International classification	:C02F 1/00
(31) Priority Document No	:61/164,158
(32) Priority Date	:27/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/028765 :26/03/2010
(87) International Publication No	:WO 2010/111563
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)PUR WATER PURIFICATION PRODUCTS, INC.

Address of Applicant :ONE PROCTER & GAMBLE PLAZA.  
CINCINNATI, OH 45202, UNITED STATES OF AMERICA

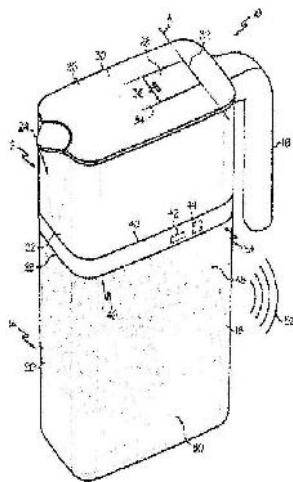
(72)Name of Inventor :

1)RIEDEL, RICHARD, PAUL

2)UTSCH, DOUGLAS, ROBERT

(57) Abstract :

A fluid treatment device includes a housing having an upper portion including an upper reservoir for receiving unfiltered fluid, a lower portion including a lower reservoir for receiving filtered fluid and an intermediate portion including a droplet forming fluid filtering system. The droplet forming filtering system comprises a rain-effect delivery system that receives fluid from the upper reservoir, the rain-effect delivery system having a fluid delivery surface configured for forming individual fluid droplets over an area of the fluid delivery surface.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7130/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : MEASURING DEVICE FOR A HEAT EXCHANGER

(51) International classification	:G01K 17/20
(31) Priority Document No	:10 2009 009 592.6
(32) Priority Date	:19/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/050915
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/094537
(61) 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

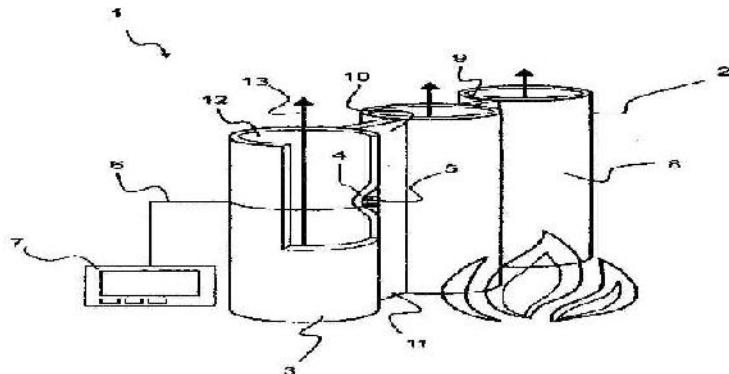
(72)Name of Inventor :

1)FRACH, MANFRED

2)MUMANN, BERND

(57) Abstract :

The present invention relates to a measuring device (1) for a heat exchanger (2) that comprises a pressure pipe arrangement (10) that is spaced using webs (11) and that has a heating side (8) and an isolation side (9) and that is implemented with at least one heat flow sensor (5), wherein the heat flow sensor (5) is arranged on the heating side (8) in such a way that at least two temperatures T1 and T2 and the temperature difference thereof can be detected there, and additionally at least one temperature sensor (16) for measuring a temperature T3 is arranged on the isolation side (9) and at a distance to the heat flow sensor (5).



**FIG. 1**

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/06/2010

(21) Application No.1409/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : INTERACTIVE INPUT SYSTEM AND ARM ASSEMBLY THEREFOR

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/218,028	<b>1)SMART TECHNOLOGIES ULC</b>
(32) Priority Date	:17/06/2009	Address of Applicant :3636 RESEARCH ROAD, N.W., CALGARY, ALBERTA T2L 1Y1, CANADA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)WIEBE HOS</b>
Filing Date	:NA	<b>2)VAUGHN E. KEENAN</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 interactive input system comprises a display unit having a display surface, a bezel disposed around at least a portion of the periphery of a region of interest proximate at least a portion of said display surface and having an inwardly facing surface and an elongate arm assembly configured to be mounted to the display unit. The arm assembly supports imaging devices thereon and is longitudinally extendable to position the imaging devices at spaced locations relative to the display surface such that the fields of view of the imaging devices encompass the region of interest.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2010

(21) Application No.1472/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : IMAGE ENCODING DEVICE AND IMAGE ENCODING METHOD

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(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-	<b>1)SONY CORPORATION</b>
	173907	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:27/07/2009	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KYOHEI KOYABU</b>
Filing Date	:NA	<b>2)TAKAAKI FUCHIE</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 :

An image encoding device includes: a first encoding unit for calculating a generated code amount by encoding image data for each GOP (Group of Picture); a code amount control unit for setting quantization information for realizing a target generated code amount based on the generated code amount; a quantization information distinguishing unit for calculating a DCT (Discrete Cosine Transform) coefficient, and distinguishing quantization information that minimizes the summation for each picture of remainders when performing division of the DCT coefficient, . as quantization information used for performing the last encoding; a picture-type setting unit for setting a picture type to the image data for each GOP, and when this set picture type differs from the picture type of the distinguished quantization information, matching the picture types by controlling the settings of the subsequent picture types; and a second encoding unit for encoding the image data based on the set picture type.

No. of Pages : 110 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6957/DELNP/2011 A

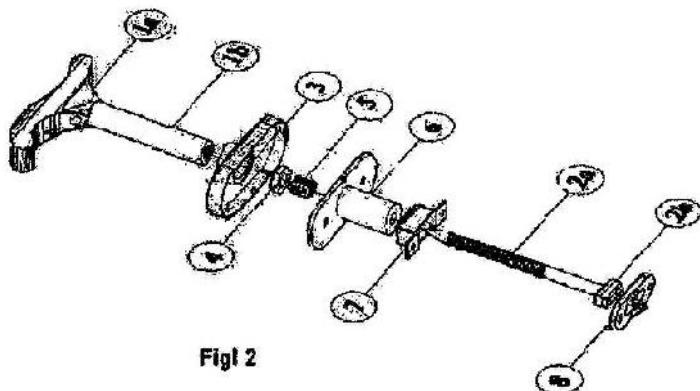
(43) Publication Date : 20/09/2013

(54) Title of the invention : LOCKABLE HANDLE / GRIP SYSTEM WITH COUPLING FOR SLIDING WINDOWS

(51) International classification	:E05B 65/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009/01913	<b>1)BULGAN INSAAT SANAYI VE TICARET LIMITED SIRKETI</b>
(32) Priority Date	:11/03/2009	Address of Applicant :OF HUZUREVLERİ MAH. TURKMENBASI BULVARI NO: 62/B - C SEYHAN, ADANA, TURKEY
(33) Name of priority country	:Turkey	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/TR2010/000041 :09/03/2010	<b>1)SONER, BULGAN</b>
(87) International Publication No	:WO 2010/104483	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention subject product is related with a window lock with a low cost, high safety grip system with a sliding coupling reducing the entrance of natural effects like air, dust and rain water, which may come from outside, to a minimum. Said lock consists from eight main parts composed from a stick-grip (1a), grooved tube (1b), a lock shaft with an adjusted screw (2a), head of the lock shaft with adjusted screw (2b), slot cover (3), adjustment fixation nut (4), lock shaft pulling spring (5), shaft-spring and nut slot (6), lock head nut (7) and pulling lock head (8). The locking system is located between both grips and is connected to the sliding system from a single point. In the practice no counter-parts are used, which are affixed on the case.



No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7111/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPOSITION COMPRISING DELIVERY PARTICLES

(51) International classification	:C11D 3/00
(31) Priority Document No	:61/165,941
(32) Priority Date	:02/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028559
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/114753
(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)THE PROCTER & GAMBLE COMPANY**

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OH 45202, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)SMETS, JOHAN**

**2)FERNANDEZ, PRIETO, SUSANA**

(57) Abstract :

The present application relates to compositions comprising coated particles, and processes for making and using such particles and compositions. The covering is selected from shellac, zein, paraffins and mixtures thereof. Such particles minimize or eliminate certain drawbacks of benefit agents including encapsulated benefit agents. When employed in compositions, for example, cleaning or fabric care compositions, such particles increase the efficiency of benefit agent delivery, thereby allowing reduced amounts of benefit agents to be employed. In addition to allowing the amount of benefit agent to be reduced, such particles allow a broad range of benefit agents to be employed.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6795/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CUSTOMIZED CHILDREN'S FEEDING SYSTEM AND METHODS OF USE THEREOF

(51) International classification	:B65D 21/02
(31) Priority Document No	:61/159,224
(32) Priority Date	:11/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026985
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/105057
(61) 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)COLO, CHRISTIAN , ANTHONY**

**2)WOLF, JOHN, JOSEPH**

**3)EMENHISER, ANNE, McCANDLISH**

**4)HANSON, ERIC, MARVIN**

**5)LAWRENCE, CHRISTINA, MAYADAS**

**6)FLETCHER, ROBERT, LAVENTURE**

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(57) Abstract :

Customized children's feeding systems and methods of using the customized children's feeding systems are provided, in a general embodiment, the present disclosure provides a packaged food product (10) including a tray (12) defining at least three compartments (20,22,24) and an individual food cartridge located in each of the compartments. Each food cartridge and compartment can be associated with a corresponding color, shape or symbol that is representative of a food category.

No. of Pages : 27 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6962/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPOSITE CONCRETE FOR FLOOR SLABS AND RAFTS

(51) International classification	:C04B 11/34
(31) Priority Document No	:P-09-186
(32) Priority Date	:26/10/2009
(33) Name of priority country	:Latvia
(86) International Application No	:PCT/LV2010/000014
Filing Date	:20/10/2010
(87) International Publication No	:WO 2011/053103
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PRIMETEH, A/S

Address of Applicant :SMERJA IELA 3, LV-1006 RIGA  
(LV) Latvia

(72)Name of Inventor :

1)OSLEJS, JANIS

2)KRAVALIS, KASPARS

---

(57) Abstract :

The invention is in the field of construction and can be used for constructing industrial floors and foundation slabs. The offered composite concrete mixture, comprising cement, sand-stone mixture, water, plasticizer, nano-size pozzolans, shrinkage reducing additive, and steel and/or synthetic fibers, allows the construction of thin, completely jointless without limitation of area, large composite concrete slabs, with no observable shrinkage cracks or curling.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6965/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/09/2011

(43) Publication Date : 20/09/2013

(54) Title of the invention : CIRCUITS, SYSTEMS AND METHODS FOR IMPLEMENTING HIGH SPEED DATA COMMUNICATIONS CONNECTORS THAT PROVIDE FOR REDUCED MODAL ALIEN CROSSTALK IN COMMUNICATIONS SYSTEMS

(51) International classification	:H01R 24/04
(31) Priority Document No	:12/401,587
(32) Priority Date	:10/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/026851 :10/03/2010
(87) International Publication No	:WO 2010/104968
(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)LEVITON MANUFACTURING CO., INC.

Address of Applicant :201 NORTH SERVICE ROAD  
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AMERICA

(72)Name of Inventor :

1)POULSEN, JEFFREY ALAN  
2)ERICKSON, JASON  
3)SEEFRIED, JEFFREY

(57) Abstract :

A communications outlet includes eight outlet tines positioned adjacent one another and defining four pairs of outlet tines. The fourth and fifth outlet tines define a first pair, the first and second outlet tines define a second pair, the third and sixth outlet tines define a third pair, and the seventh and eighth outlet tines define a fourth pair. Each outlet tine has a free end near to which a plug contact is adapted to touch and each outlet tine has a fixed end coupled through a corresponding conductive trace to a corresponding conductive wire termination contact. The communications outlet includes a first modal alien crosstalk compensation stage connected to the outlet tines associated with the second, third, and fourth pairs. The first modal alien crosstalk compensation stage includes independent capacitive components operably responsive to differential signals on the third pair to introduce common mode signals onto the second and fourth pairs that have the opposite polarity of common mode signals on the second and fourth pairs at points where the plug contacts connect with the outlet tines.

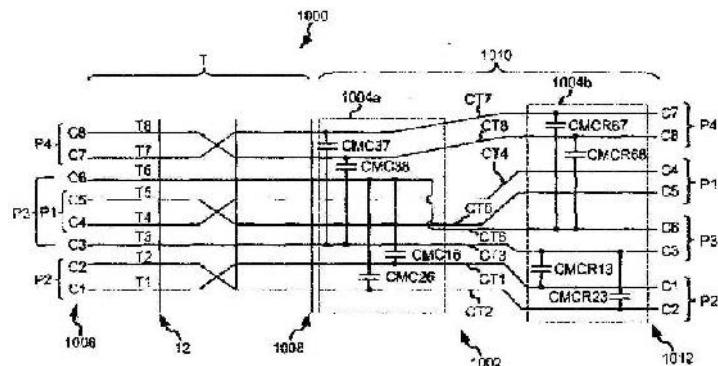


FIG.9

No. of Pages : 55 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6969/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DRIVE MECHANISM FOR A SOLAR CONCENTRATOR ASSEMBLY

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(51) International classification	:F24J 2/54
(31) Priority Document No	:61/209,970
(32) Priority Date	:11/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027061
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/105111
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)GROSSAMER SPACE FRAMES**

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HUNTINGTON BEACH, CALIFORNIA 92649 - 1633, U.S.A.

(72)Name of Inventor :

**1)GLENN A. REYNOLDS**

(57) Abstract :

A drive mechanism for a solar concentrator assembly. In one embodiment, a drive mechanism for a linear solar concentrator assembly which includes an elongate reflector support frame which is rotatable about an axis which is parallel to the length of the frame and is defined by a support for the frame includes: a first elongate arm fixable at one end to the frame for rotation about the axis with the frame; a second elongate arm rotatable at one end about the axis independently of the first arm; a first reversible linear drive device coupled between the second arm and the first arm which is operable to rotate the first arm about the axis relative to the second arm; and a second reversible linear drive device coupled between the support and the second arm which is operable to rotate the second arm about the axis.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7125/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : THERMOELECTRIC DEVICE

(51) International classification	:H01L 35/21
(31) Priority Document No	:10 2009 009 586.1
(32) Priority Date	:19/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/050884
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/094533
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)EMITEC GESELLSCHAFT FUR  
EMISSIONSTECHNOLOGIE MBH

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LOHMAR (DE) Germany

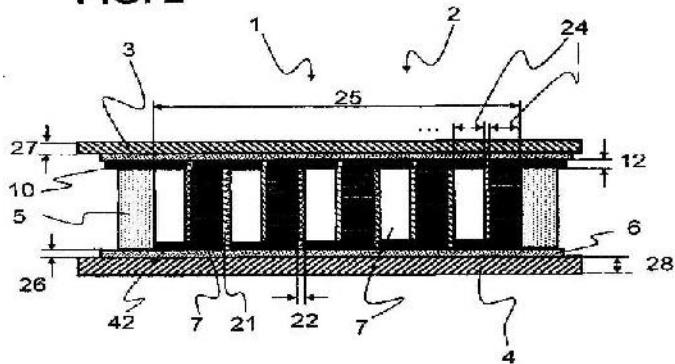
(72)Name of Inventor :

1)LIMBECK, SIGRID  
2)BRUCK, ROLF

(57) Abstract :

A thermoelectric device (1) at least comprising at least one module (2) having a first carrier layer (3) and a second carrier layer (4), an interspace (5) between the first carrier layer (3) and the second carrier layer (4), an electrical insulation layer (6) on the first carrier layer (3) and on the second carrier layer (4) toward the interspace (5), a plurality of p- and n-doped semiconductor elements (7), which are arranged alternately in the interspace (5) between the insulation layers (6) and are alternately electrically connected to one another.

**FIG. 2**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2010

(21) Application No.4661/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : N-SUBSTITUTED CARBAMIC ACID ESTER PRODUCTION METHOD, ISOCYANATE PRODUCTION METHOD USING SUCH N-SUBSTITUTED CARBAMIC ACID ESTER, AND COMPOSITION FOR TRANSFER AND STORAGE OF N-SUBSTITUTED CARBAMIC ACID ESTER COMPRISING N-SUBSTITUTED CARBAMIC ACID ESTER AND AROMATIC HYDROXY COMPOUND•

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-192250	<b>1)ASAHI KASEI CHEMICALS CORPORATION</b>
(32) Priority Date	:21/08/2009	Address of Applicant :1-105, KANDA JINBOCHO, CHIYODA-KU, TOKYO 101-8101, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/JP2009/005007 :29/09/2009	<b>1)SHINOHATA, MASAAKI</b> <b>2)MIYAKE, NOBUHISA</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 is a method for producing an N-substituted carbamic acid ester derived from an organic amine from an organic amine, a carbonic acid derivative and a hydroxy composition containing one or more types of hydroxy compounds, wherein the organic amine, the carbonic acid derivative and the hydroxy composition are reacted using a urethane production reaction vessel provided with a condenser, a gas containing the hydroxy composition, the compound having the carbonyl group derived from the carbonic acid derivative, and an ammonia formed as a by-product in the reaction, is introduced into the condenser provided in the urethane production reaction vessel, and the hydroxy composition and the compound having the carbonyl group derived from the carbonic acid derivative are condensed, and wherein a stoichiometric ratio of a hydroxy compound contained in the condensed hydroxy composition to the condensed compound having the carbonyl group derived from the carbonic acid derivative is 1 or more, and a ratio of number of carbonyl groups (-C(=O)-) contained in the compound having the carbonyl group derived from the carbonic acid derivative and number of ammonia molecules contained in the ammonia recovered as a gas from the condenser is 1 or less.

No. of Pages : 636 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/01/2011

(21) Application No.7/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : THIN-FILM MAGNETIC SENSOR AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:G01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-011433	<b>1)DAIDO TOKUSHUKO KABUSHIKI KAISHA</b> Address of Applicant :1-10, HIGASHISAKURA 1-CHOME, HIGASHI-KU, NAGOYA, AICHI JAPAN
(32) Priority Date	:21/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KOYAMA SHIGENOBU</b> <b>2)IMAEDA KAORI</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 present invention provides a thin-film magnetic sensor including: a giant magnetoresistive film having a giant magnetoresistive effect, and thin-film yokes each composed of a soft magnetic material and electrically connected to both ends of the giant magnetoresistive film, in which each of the thin-film yokes includes an outer yoke which is composed of a first soft magnetic material and is provided outward with respect to the giant magnetoresistive film and an inner yoke which is composed of a second soft magnetic material and is provided between the giant magnetoresistive film and the outer yoke; the first soft magnetic material is composed of a crystalline or microcrystalline soft magnetic material; the thin-film magnetic sensor is obtained by (1) forming the each outer yoke, the giant magnetoresistive film and the each inner yoke in this order, and (2) performing a heat treatment for improving soft magnetic characteristics of the each outer yoke before forming the giant magnetoresistive film; and a length L2 of the each inner yoke satisfies the following equation (a) and equation (b): where t1 is a thickness of the each outer yoke, and L1 is a length of the each outer yoke.

No. of Pages : 40 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7144/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LENS WITH CONTROLLED LIGHT REFRACTION

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(51) International classification	:F21V 17/02
(31) Priority Document No	:12/431, 308
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000932
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/126560
(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)RUUD LIGHTING, INC.**

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RACINE, WISCONSIN 53406, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)KURT S. WILCOX**

(57) Abstract :

A lens (10) for distribution of light from a light emitter (I) having an emitter axis (2) and defining an emitter plane (3). The lens including an emitter-adjacent base end (12) forming an opening to an inner cavity (14) surrounding the emitter. An inner-cavity surface (20) includes an axis-adjacent first inner region (21) configured for refracting emitter light rays away from the axis, a second inner region (22) spaced from the first inner region and configured for refracting emitter light rays toward the axis, and a middle inner region (23) joining and substantially cross-sectionally asymptotical to the first and second inner regions. The middle inner region is positioned with respect to the emitter to refract light away from the axis by progressively lesser amounts at positions progressively closer to the second inner region. The lens further has an outer surface (30) including output regions (31,32) each configured for refracting the light from a corresponding one of the inner regions such that at the outer surface light from each inner region is refracted substantially without overlapping light from the other inner regions.

No. of Pages : 20 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/01/2011

(21) Application No.122/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A TRAINING DEVICE FOR USE IN BATTING PRACTISE

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(51) International classification

:A63B

(31) Priority Document No

:2010901313

(32) Priority Date

:24/03/2010

(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)TECH-PERFECT PTY. LTD.**

Address of Applicant :106 FULLER STREET, COLLAROY PLATEAU, NEW SOUTH WALES, 2097, AUSTRALIA

(72)Name of Inventor :

**1)SHARP, DAVID**

**2)TEOFILO, VINCE**

(57) Abstract :

A training device for use in batting practise is disclosed including attachment means for attaching the device to a bat; guide means to assist a batsman in adopting correct batting posture. The guide means may include a forearm stop which bears against a batsmans forearm.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/06/2010

(21) Application No.1284/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR PROTECTION OF BATTERY PACK

(51) International classification	:H02J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/184,060	<b>1)02 MICRO, INC.</b>
(32) Priority Date	:04/06/2009	Address of Applicant :3118 PATRICK HENRY DRIVE
(33) Name of priority country	:U.S.A.	SANTA CLARA, CALIFORNIA 95054 U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)WILLIAM DENSHAM</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 battery system includes a battery pack, an electrical interface and a load discharging the battery pack. The battery pack is used to provide a power supply and includes a monitor which is configured to monitor a battery status of the battery pack. The electrical interface is coupled to the battery pack for transmitting the power supply and the battery status. The load is coupled to the battery pack through the electrical interface, and receives the power supply to discharge the battery pack and receives the battery status via a first communication bus to control the discharging of the battery pack based on the battery status.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2011

(21) Application No.2562/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHODS TO REDUCE B-HELPER T-CELLS TO TREAT AUTOIMMUNE DISEASES

(51) International classification	:A61K 39/395
(31) Priority Document No	:61/101,606
(32) Priority Date	:30/09/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/058891
Filing Date	:29/09/2009
(87) International Publication No	:WO 2010/039742
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BAYLOR RESEARCH INSTITUTE**

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(72)Name of Inventor :

**1)UENO, HIDEKI**

**2)BANCHEREAU, JACQUES, F.**

**3)PASCUAL, MARIA VIRGINIA**

**4)SCHMITT, NATHALIE**

---

(57) Abstract :

The present invention includes compositions and methods for the treatment of autoimmune diseases by administering to a subject having an autoimmune disorder an effective amount of a therapeutic composition comprising a pharmaceutically acceptable carrier and at least one IL-12 inhibitor, e.g., a blocking anti-IL-12 antibody or fragment thereof.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.2671/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SYRINGE ASSEMBLY AND PACKAGE FOR DISTRIBUTION OF SAME

(51) International classification

:F02P

(31) Priority Document No

:12/894467

(32) Priority Date

:30/09/2010

(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 package assembly includes a panel, an array of openings defined in the panel, and a plurality of syringe wells. The panel includes an upper surface. Each of the syringe wells is individually associated with a different one of the openings. The panel and the plurality of syringe wells are integrally formed as a unitary structure. Each of the syringe wells is configured to removeably receive a syringe assembly.

No. of Pages : 31 No. of Claims : 18

(71)Name of Applicant :

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(72)Name of Inventor :

**1)FINKE, MELVIN**

**2)PARKER, JONATHAN GEORGE**

**3)FOSTER, JOHN KEVIN**

**4)MOREFILED, ELLEN**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7185/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DIVISON OF BIT STREAMS TO PRODUCE SPATIAL PATHS FOR MULTICARRIER TRANSMISSION

(51) International classification	:H04L 1/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09156480.7	<b>1)SONY CORPORATION</b>
(32) Priority Date	:27/03/2009	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO 108-0075, JAPAN
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/050882	<b>1)ANDREAS SCHWAGER</b>
Filing Date	:27/01/2010	<b>2)WEIYUN LU</b>
(87) International Publication No	:WO 2006/069397	<b>3)LOTHAR STADELMEIER</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 the field of bit-de-/multiplexing in multicarrier MIMO communication systems (e.g. precoded spatial multiplexing MIMO communication systems using adaptive OFDM). The present invention especially relates to a multicarrier MIMO transmitter and a multicarrier MIMO receiver. The multicarrier MIMO transmitter according to the present invention comprises a demultiplexer and symbol mapper unit for receiving an input bit stream and generating a plurality of symbol streams, each symbol stream being associated with a different transmission channel and comprising a plurality of data symbols, each data symbol being attributed to a different carrier; one or more multicarrier modulators for generating at least two multicarrier modulated signals based on the symbol streams; and at least two transmit ports for respectively transmitting the at least two multicarrier modulated signals, wherein a data throughput rate of each transmission channel is separately variable.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7187/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : REFINISH COATING COMPOSITIONS COMPRISING LOW MOLECULAR WEIGHT CELLULOSE MIXED ESTERS

(51) International classification	:C07C	(71) Name of Applicant :
(31) Priority Document No	:61/162,513	1) EASTMAN CHEMICAL COMPANY, Address of Applicant :200 SOUTH WILCOX DRIVE, KINGSPORT, TENNESSEE 37600, UNITED STATES OF AMERICA
(32) Priority Date	:23/03/2009	(72) Name of Inventor :
(33) Name of priority country	:U.S.A.	1) DEEPANJAN BHATTACHARYA 2) ROY GLENN FOULK 3) HAMPTON LOYD CHIP WILLIAMS, III 4) MICHAEL CHARLES SHELTON 5) JESSICA DEE POSEY-DOWTY 6) LUIS GUILLERMO RIOS PERDOMO 7) DANIEL WAYNE DIXON, JR. 8) PAUL LEE LUCAS 9) ALAN KENT WILSON 10) KENNETH RAYMOND WALKER 11) JONATHAN EDWARD LAWNICZAK 12) HIEU DUY PHAN 13) CHARLIE CARROLL FREEMAN, JR.
(86) International Application No Filing Date	:PCT/US2010/000839 :23/03/2010	
(87) International Publication No	:WO 2008/036274	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A refinish coating composition is provided comprising: a) at least one refinish coating resin; b) at least one solvent; c) at least one pigment; d) optionally, at least one crosslinking agent; e) at least one cellulose mixed ester having a weight average molecular weight (Mw) greater than 10,000 and f) at least one low molecular weight cellulose mixed ester. In addition, processes for coating the refinish coating composition on a substrate are also provided.

No. of Pages : 44 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6786/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A METHOD ACHIEVING ON - LINE PRINTING OF VARIABLE CONTENT AND A HYBRID DIGITAL PRINTING SYSTEM

(51) International classification	:B41F 5/04
(31) Priority Document No	:200910106371.7
(32) Priority Date	:31/03/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/072366
Filing Date	:20/06/2009
(87) International Publication No	:WO 2010/111847
(61) 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 ZHENGXINYUAN INDUSTRIAL CO., LTD.

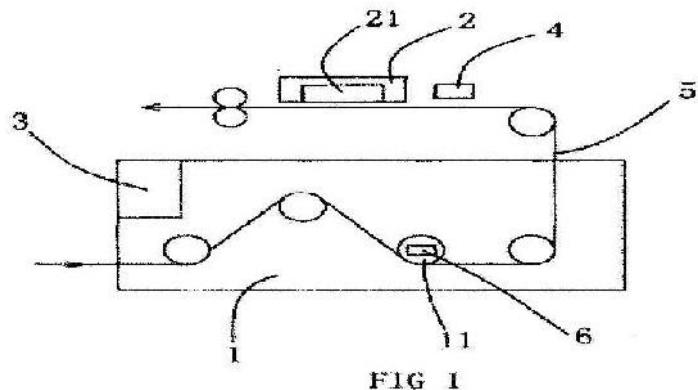
Address of Applicant :FOURTH BUILDING, LONGHUI INDUSTRIAL GARDEN, FUQIAO INDUSTRIAL AREA, FUYONG, BAOAN, SHENZHEN, GUANGDONG 518000 P.R. CHINA

(72)Name of Inventor :

1)WU DONGJIE

(57) Abstract :

It is the method for the realization of online printing change content on rotary presses and mixed digital printing system; this method includes multi-color inkjet digital printing units on rotary presses; the central control unit is set so that the continuous substrates pass the inkjet areas of inkjet printheads of the said multi-color inkjet digital printing units at the same running speed as that of the rotary presses; after the said multi-color inkjet digital printing units receive the said color code information control electric signals, the said inkjet printheads start inkjet, and control the preset locations of the continuous substrates based on printing location control electric signals and printing content information control electric signals, and perform injection of preset words or/and patterns; according to the said rotary coding control electric signals, the said inkjet printheads perform injection of ink at a speed matching the running speed of continuous substrates. This Invention is characteristic of large quantity printing, and the realization of online printing change content on rotary presses on the basis of synchronous online printing variable content. Fig.:1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6945/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD OF PREPARING A FOODSTUFF

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(51) International classification	:A01N 65/00
(31) Priority Document No	:60/373,460
(32) Priority Date	:18/04/2002
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2003/12009
Filing Date	:17/04/2003
(87) International Publication No	:WO 2003/088749
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3566/DELNP/2004
Filed on	:16/11/2004

---

(71)Name of Applicant :

**1)MONSANTO TECHNOLOGY LLC.**

Address of Applicant :800 N. LINDBERGH BOULEVARD,  
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(72)Name of Inventor :

**1)NEAL A. BRINCE**

**2)KANTHASAMY KARUNANANDAA**

(57) Abstract :

A method of preparing a foodstuff, comprising the steps of: (a) obtaining a selected foodstuff; and (b) adding the composition of claim 1 to the foodstuff, wherein the consumption of an effective amount of the foodstuff lowers the serum cholesterol levels of a subject in need thereof.

No. of Pages : 71 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7096/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : POROUS INTERPENETRATING POLYMER NETWORK

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(51) International classification	:B01D 67/00
(31) Priority Document No	:61/153,790
(32) Priority Date	:19/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024804
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/096704
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)BONNER, ALEX GARFIELD**

Address of Applicant :37 WINTHROP ROAD LEXINGTON,  
MASSACHUSETTS 02421 (US) U.S.A.

(72)Name of Inventor :

**1)UDELL , LAWRENCE**

**2)ANDREWS, DAVID WELLS**

**3)TSAI, FU-JYA DANIEL**

**4)DE LOS REYES, GASTON**

(57) Abstract :

A functional, porous, interpenetrating polymer network (IPN) includes a first polymer network in the form of a porogenic support fabric (PSF) composed of linear polymers in the form of a pre-formed network comprising a fibrous composite and a second polymer network synthesized, gelated, and/or cross-linked in the presence of the first polymer network to form a system of polymers which have their respective chains held in place by means of permanent physical entanglements produced by the interweaving of the component polymer networks. The IPN is modified by dissolving and dispersing a portion of the PSF fibers, the dispersible fiber network (DFN) to form a pre-designed interconnected pore structure. The resultant porous, supported, second polymer network has convective flow, diffusive flow, and high capacity, and may include functional capture chemistries to provide an adsorptive media for chromatography and filtration of various compounds including biomolecules.

No. of Pages : 78 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.724/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PNEUMATIC SPINNING DEVICE AND SPINNING MACHINE

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(51) International classification	:D01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-070760	<b>1)MURATA MACHINERY LTD.</b>
(32) Priority Date	:25/03/2010	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)MORI HIDESHIGE</b>
(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 pneumatic spinning device includes a nozzle block and a hollow guide shaft body. The nozzle block is provided with a depressurized suction chamber and a whirling chamber having a greater peripheral length than that of the depressurized suction chamber. The nozzle block is provided with at least one air injecting nozzle. The air injecting nozzle injects compressed air from a nozzle opening that opens into the whirling chamber, thereby generating whirling airflow in the whirling chamber. A fiber passage is formed in the hollow guide shaft body. Moreover, the hollow guide shaft body is arranged such that a tip end at an inlet of the fiber passage is located within the depressurized suction chamber. The nozzle opening is located downstream in a feeding direction of a fiber bundle than the tip end of the hollow guide shaft body.

No. of Pages : 40 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.3008/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NOVEL BACTERIA AND METHODS OF USE THEREOF

(51) International classification	:C12P
(31) Priority Document No	:60/987,755
(32) Priority Date	:13/11/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/NZ2008/000305
Filing Date	:13/11/2008
(87) International Publication No	:WO 2009/064200
(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)SIMPSON, SEAN DENNIS**

**2)FORSTER, RICHARD, LLEWELLYN, FORSTER**

**3)TRAN, PHUONG, TRAN**

**4)ROWE, MATTHEW, JAMES**

**5)WARNER, IAN, LINDSTRAND**

---

(57) Abstract :

A novel class of bacteria is described which has improved efficiency in the production of thanol by anaerobic fermentation of substrates containing carbon monoxide.

No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.3563/DELNP/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PRESSED PARTS OF CELLULOSIC SPUN FIBRES, THEIR PRODUCTION AND USE

(51) International classification	:B29C
(31) Priority Document No	:A 2103/2007
(32) Priority Date	:21/12/2007
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2008/000461
Filing Date	:18/12/2008
(87) International Publication No	:WO 2009/079677
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1) LENZING AG**

Address of Applicant : WERKSTRASSE 2, A-4860  
LENZING, AUSTRIA

(72)**Name of Inventor :**

**1) FRIEDRICH SUCHOMEL**

**2) CHRISTOPH BURGSTALLER**

**3) WOLFGANG STADLBAUER**

---

(57) Abstract :

The present invention relates to readily meterable pellets of cellulosic staple fibres, their use to produce compound materials by mixing these into a polymer melt and a process for the production of these pellets in which the staple fibres are pressed in a shaping device through shaping channels.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.4969/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : TIME-CONTROLLED OPENING DEVICE FOR VEHICLE SEAT BELT BUCKLES

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(51) International classification	:B60R
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/ES2008/000064
Filing Date	:07/02/2008
(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)SORIANO VILALTA, ANTONIO**

Address of Applicant :CALLE FRESNOS DE GUADALMAR, 1 29004 MALAGA SPAIN

(72)Name of Inventor :

**1)SORIANO VILALTA, ANTONIO**

(57) Abstract :

The invention relates to a time-controlled opening device for vehicle seat belt buckles. In the event of an accident and once the airbags (7a) have inflated, the vehicle (7) sends a signal to a unit (1) which in turn supplies current to a first module (5) which holds same for a period of time pre-determined in the delay timer (5) thereof and, once the time has elapsed, supplies the current to a second module which is associated with each of the elements (2) powering different electromagnets (6), retracting a part (6a) at the respective cores thereof, thereby exerting sufficient magnetic pull to disengage each hook (3) and generate the automatic release of the buckles (4).

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2011

(21) Application No.6848/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SOLID-STATE ACOUSTIC METAMATERIAL AND METHOD OF USING SAME TO FOCUS SOUND

(51) International classification	:G01K 11/18
(31) Priority Document No	:61/208,928
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025909
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/101910
(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 :UNIVERSITY SERVICES  
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OF AMERICA

(72)Name of Inventor :

**1)DEYMIER, PIERRE, A.  
2)BUCAY, JAIM  
3)MERHEB, BASSAM**

---

(57) Abstract :

A phonemic crystal is made of a first solid medium having a first density and a substantially periodic array of structures disposed in the first medium, the structures being made of a second solid medium having a second density different from the first density. The first medium has a speed of propagation of longitudinal sound waves and a speed of propagation of transverse sound waves, the speed of propagation of longitudinal sound waves being approximately that of a fluid, and the speed of the propagation of transverse sound waves being smaller than the speed of propagation of longitudinal sound waves.

No. of Pages : 17 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7005/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : INTEGRATED CIRCUIT COMPRISING TRACE LOGIC AND METHOD FOR PROVIDING TRACE INFORMATION

(51) International classification	:G06F 11/36
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2009/053530
Filing Date	:29/05/2009
(87) International Publication No	:WO 2010/136852
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)FREESCALE SEMICONDUCTOR, INC.

Address of Applicant :6501 WILLIAM CANNON DRIVE  
WEST, AUSTIN, TEXAS 78735 U.S.A.

(72)Name of Inventor :

1)DELERIS, BERTRAND

2)COLLINS, RICH

(57) Abstract :

An integrated circuit comprises trace logic (310) for operably coupling to at least one memory element (360) and for providing trace information for a signal processing system (300). The trace logic (310) comprises trigger detection logic (410) for detecting at least one trace trigger (405), memory access logic (420) arranged to perform, upon detection of the at least one trace trigger (405), at least one read operation (425) for at least one memory location (380) of the at least one memory element (360) associated with the at least one detected trigger (405), memory content message generation logic (430) arranged to generate at least one memory content message (435) comprising information relating to a result of the at least one read operation performed by the memory access logic (420), and output logic (440) for outputting (445) the at least one memory content message. {FIG. 3 to accompany abstract.}

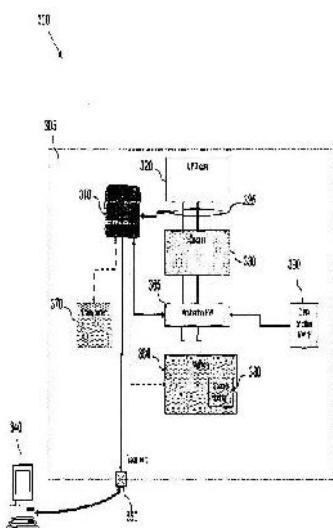


FIG.3

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8221/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DEVICE FOR CARRYING OUT CHEMICAL REACTIONS UNDER HOMOGENEOUS AND HETEROGENEOUS CONDITIONS

(51) International classification	:B01J 19/24	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09162612.7	<b>1)DSM IP ASSETS B. V.</b>
(32) Priority Date	:12/06/2009	Address of Applicant :OF HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/058296	<b>1)HUTTER, CEDRIC</b>
Filing Date	:14/06/2010	<b>2)MASCARELLO, FRANCESCO</b>
(87) International Publication No	:WO 2010/142809	<b>3)RUPPEN, DAVID</b>
(61) Patent of Addition to Application Number	:NA	<b>4)VON ROHR RUDOLF, PHILIPP</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a device for treatment of material transported through the device comprising at least one porous element consisting of solid, for example metallic, structure which allows cross-flow of the material through the porous element. The invention also relates to various types of uses of the device. A device in accordance with the invention is particularly useful to carry out chemical reactions under homogenous and heterogeneous conditions. Such a device hereinafter also referred as reactor may comprises a tube (1) having a cylindrical wall(2) with one inlet end (3) and one outlet end (4). Arranged in the tube (1) is at least one cylindrical porous element (5) consisting of solid metal structure, wherein said porous element (5) comprises a plurality of hollow spaces that are connected to each other and form an interconnected cavity network and wherein the at least one porous element (5) and the cylindrical wall (2) are made in one piece. The porosity of the at least one porous element (5) is between 0,8 and 0,95.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3427/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :14/05/2010

(43) Publication Date : 20/09/2013

(54) Title of the invention : OCTAHYDROQUINOLIZINES FOR ANTIDIABETIC TREATMENT

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:07450235.2	1)55PHARMA DRUG DISCOVERY & DEVELOPMENT AG.
(32) Priority Date	:19/12/2007	Address of Applicant :Palais Palifffy Josefsplatz 6 A-1010 Wien Austria. Azerbaijan
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/AT2008/000458	1)ADORJAN Immanuel
Filing Date	:17/12/2008	2)BAUER Leonhardt
(87) International Publication No	: NA	3)FROBEL Klaus
(61) Patent of Addition to Application Number	:NA	4)FURNSINN Clemens
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

This invention relates to novel octahydroquinazines for treatment or prevention of diabetes mellitus and its complications, for treatment or prevention of hyperlipidemia, for treatment of diabetic dyslipidemia, for treatment or prevention of the metabolic syndrome, for treatment of diseases related to metabolic dysfunction, for treatment of obesity or obesity-related diseases. The invention also includes pharmaceutical compositions and kits comprising these compounds alone or in combination with other drugs or compounds aiming towards an improved treatment or prevention of the aforementioned diseases or syndromes in humans or animals.

**Figure 1** (Continued)

No. of Pages : 84 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2011

(21) Application No.57/DEL/2011 A

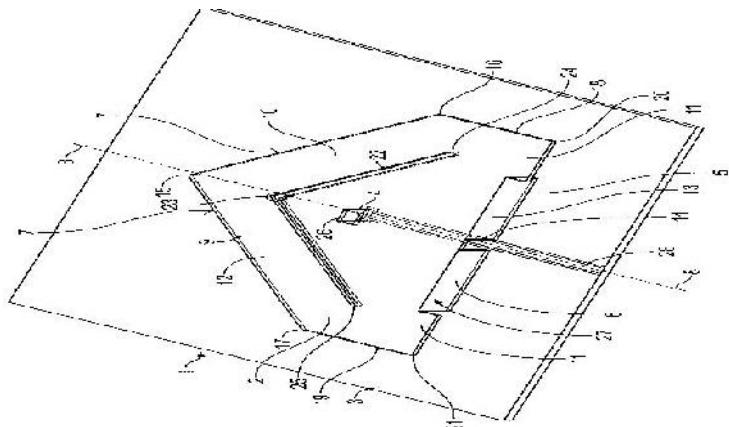
(43) Publication Date : 20/09/2013

(54) Title of the invention : ANTENNA

(51) International classification	:H01Q	(71)Name of Applicant :
(31) Priority Document No	:EP 10150758.0	1)TYCO ELECTRONICS NEDERLAND BV Address of Applicant :RIETVELDENWEG 32, NL - 5222 AR, S-HERTOGENBOSCH, THE NETHERLANDS
(32) Priority Date	:14/01/2010	(72)Name of Inventor :
(33) Name of priority country	:EUROPEAN UNION	1)VAN GILS, WIJNAND
(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 :

Antenna with a ground plane and an antenna plane, whereby the antenna plane is arranged on the ground plane by at least one bar, whereby a feed line is guided sideways between the ground plane and the antenna plane to a feed contact of the antenna plane.



No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.6792/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ADJUSTABLE SIDE DAM FOR CONTINUOUS CASTING APPARATUS

---

(51) International classification	:B22D 11/06
(31) Priority Document No	:61/211,277
(32) Priority Date	:27/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000460
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/108279
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)NOVELIS INC.**

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ONTARIO M8Z 1J5, CANADA

(72)Name of Inventor :

**1)LUCE, EDWARD**

**2)LEES, ERIC**

**3)GATENBY, KEVIN**

**4)GODIN, DANIEL**

**5)LEBLANCE, REJEAN**

---

(57) Abstract :

Exemplary embodiments of the invention provide a side dam for a continuous metal casting apparatus having elongated opposed casting surfaces forming a casting cavity. The side dam has an elongated upstream part and an elongated downstream part that are mutually laterally pivotable, and a smooth metal-contacting side surface extending continuously from an upstream end to a downstream end of the side dam. The surface has regions thereof formed on the upstream part and the downstream part. Mutual pivoting of the upstream part and the downstream part of the side dam enables the regions of the smooth metal-contacting side surface to be moved out of mutual coplanar alignment. The side dams can therefore be used to form either a convergent or divergent casting cavity to assist the casting procedure and to enhance the properties of the cast article.

No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6951/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DEVICE FOR PREPARING A BEVERAGE EXTRACTED FROM A CAPSULE

---

(51) International classification

:A47J 31/36

(31) Priority Document No

:PCT/IB2009/050564

(32) Priority Date

:11/02/2009

(33) Name of priority country

:PCT

(86) International Application No

:PCT/IB2010/050632

Filing Date

:11/02/2010

(87) International Publication No

:WO 2010/092543

(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)ETHICAL COFFEE COMPANY SA**

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FRIBOURG SWITZERLAND

(72)Name of Inventor :

**1)MARILLER, ALAIN**

**2)GAILLARD, JEAN-PAUL**

---

(57) Abstract :

Device for preparing a beverage that is extracted from a capsule comprising a capsule support and a capsule cage inside which there are at least a water inlet and means for piercing the capsule, characterized in that it further comprises interaction means intended to impart a mechanical, thermal, electrical or electromagnetic factor to said capsule when this capsule is introduced into the cage.

No. of Pages : 59 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8241/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : STEAM POWER PLANT WITH A COOLING SYSTEM

(51) International classification	:F02C
(31) Priority Document No	:61/220,669
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057197
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/149448
(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)REISSIG, MARK

2)FICHTNER, MARKUS

3)SATTELBERGER, MARC

(57) Abstract :

In a steam power plant (1) a the first cooling circuit (101) comprises a condenser (6) to condense (4A, 9A) steam and a first pump (16) to pump a first cooling fluid (15) through the condenser (6) in order to cool the condenser (6), a the third cooling circuit (PGB) is a closed cycle cooling circuit that utilizes a second cooling fluid (27) to cool down at least one component that is different from the condenser (6), and a second cooling circuit (PCB) comprises a heat exchanger (26) that thermally couples the first cooling fluid (15) and the second cooling fluid (27) and utilizes the first cooling fluid (15) in the heat exchanger to cool down the second fluid (27) and comprises a second pump (44) to pump the first cooling fluid (15) through the second cooling circuit (PCB) independently from an operation of the first pump (16). Fig: 1

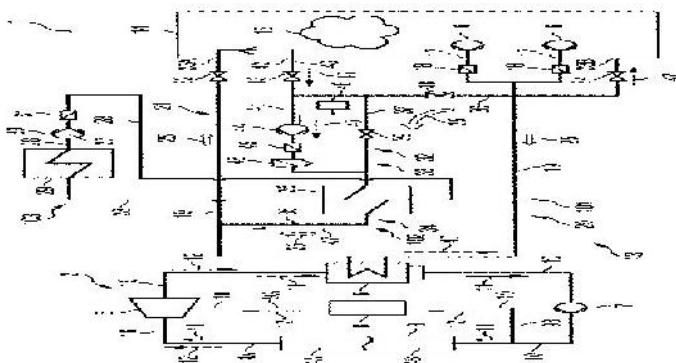


Fig: 1

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1650/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : HIGH EFFICIENCY MULTICYCLE INTERNAL COMBUSTION ENGINE WITH WASTE HEAT RECOVERY

(51) International classification	:F02G
(31) Priority Document No	:12/539,987
(32) Priority Date	:12/08/2009
(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)JAMES V. HARMON, SR.

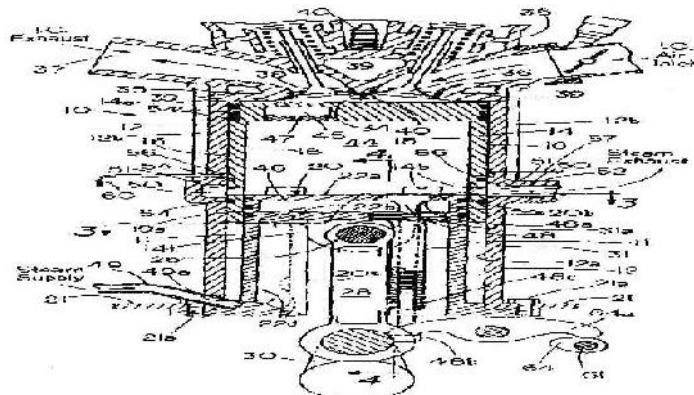
Address of Applicant :56 PINE STREET, MAHTOMEDI,  
MN 55115, U.S.A.

(72)Name of Inventor :

1)JAMES V. HARMON, SR.

(57) Abstract :

A high efficiency combined cycle internal combustion and steam engine includes a cylinder having a piston mounted for reciprocation therein with an internal combustion chamber outward of the piston, a fixed cylinder cap sealingly and slidably mounted within the piston and a steam expansion and recompression chamber inside the piston adjacent the cylinder cap. The cylinder cap can be unheated or heated externally to reduce condensation of steam entering the steam chamber from a steam generator fired by waste combustion heat. After a steam exhaust valve closes at the top center position, residual steam is recompressed during an inward stroke of the piston up to admission pressure prior to admitting the next charge of steam. A wrist pin that is connected to an inner part of the skirt of the piston and located inwardly of the cylinder cap is coupled to a connecting rod that is secured at its inner end to a crankshaft. One valve or a pair of retractable steam inlet valves connected in series within the cylinder cap inside the piston act in cooperation with steam recompression and a variable clearance volume to achieve an effective zero steam chamber clearance and a gain in mean Rankine cycle temperature to maximize efficiency. The amount of steam admitted each outward stroke is continuously regulated to reduce fuel consumption. Engine coolant can be evaporated in an engine cooling jacket to form steam that is superheated in a combustion exhaust manifold.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2011

(21) Application No.2544/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : THERAPEUTIC PEPTIDES

(51) International classification

:C12M

(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL  
RESEARCH**

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(72)Name of Inventor :

**1)GRISH C. VARSHNEY  
2)KALIANAAN GANESAN  
3)ASHU SHAH  
4)SHAILENDRA K GAUTAM  
5)RAKESH BHATIA**

(57) Abstract :

The present invention provides peptides which specifically react with B-subunit of Plasmodium falciparum vacuolar-H<sup>+</sup>ATPase (V-H<sup>+</sup>ATPase). The peptides were identified by panning phage display peptide libraries with recombinant B subunit of P.falciparum V-H<sup>+</sup> ATPase. The selected phages specifically react with P.falciparum infected cells and corresponding free peptides inhibit parasite growth in vitro. The identified peptides can be used for therapy of malaria and other diseases caused by pathogens expressing B subunit of V-H<sup>+</sup> ATPase.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8253/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD OF DEHYDRATING AN IONIC LIQUID

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(51) International classification	:B01D 17/00
(31) Priority Document No	:09158667.7
(32) Priority Date	:23/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/055448
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/122150
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)VTU HOLDING GMBH**

Address of Applicant :PARKRING 18, A-8074  
GRAMBACH, AUSTRIA

(72)Name of Inventor :

**1)KALB, ROLAND**

(57) Abstract :

A method of impeding water input in an ionic liquid is provided, wherein the method comprises adding an additive to the ionic liquid wherein the additive comprises an orthoester. In particular, at least some residues of the additive may remain or may be present in the ionic liquid during the usage of the ionic liquid. For example, the additive may be formed by the orthoester or by a mixture of orthoesters.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8254/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : PERCUTANEOUS IMPLANT AND OSTOMY METHOD

---

(51) International classification	:A61F 5/445
(31) Priority Document No	:61/173,494
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/000851
Filing Date	:28/04/2010
(87) International Publication No	:WO 2010/125346
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)OSTOMYCURE AS**

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(72)**Name of Inventor :**

**1)JOHANSSON MARTIN**

**2)EDWIN BJORN**

**3)HULTEN LEIF**

**4)THOMSEN PETER**

---

(57) Abstract :

A percutaneous ostomy implant for implantation into the abdominal wall of a patient which comprises a cylindrical part for mounting an external detachable device thereto, an ingrowth mesh and a circular flange for anchoring the implant. The cylindrical part and circular flange are attached to opposite ends of the ingrowth mesh. The ingrowth mesh is arranged such that when the implant is implanted in the abdominal wall of a patient, the epidermis meets the ingrowth mesh and is able to attach therethrough directly to serosal tissue of a bowel segment inside the implant.

No. of Pages : 28 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7131/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : BLOCK COORDINATION COPOLYMERS

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(51) International classification	:C08G 81/00
(31) Priority Document No	:61/156,046
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025145
Filing Date	:24/02/2010
(87) International Publication No	:WO 2010/099143
(61) 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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1)KOH, KYOUNG MOO

2)WONG-FOY, ANTEK G.

3)MATZGER, ADAM J.

4)BENIN, ANNABELLE L.

5)WILLIS, RICHARD R.

---

(57) Abstract :

The present invention provides compositions of crystalline coordination copolymers and methods of making and using the compositions wherein multiple organic molecules are assembled to produce porous framework materials with layered or core-shell structures. These materials are synthesized by sequential growth techniques such as the seed growth technique. In addition, the invention provides a simple procedure for controlling functionality.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7132/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PROCESS AND APPARATUS FOR FEED PREHEATING WITH FLUE GAS COOLER

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(51) International classification	:C01G 11/18
(31) Priority Document No	:12/408,060
(32) Priority Date	:20/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024512
Filing Date	:18/02/2010
(87) International Publication No	:WO 2010/107541
(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)LIU, YUNBO**

**2)ZHU, XIN X.**

**3)MYERS, DANIEL N.**

**4)WALKER, PATRICK D.**

---

(57) Abstract :

Hydrocarbon feed to a catalytic reactor can be heat exchanged with flue gas from a catalyst regenerator. This innovation enables recovery of more energy from flue gas thus resulting in a lower flue gas discharge temperature. As a result, other hot hydrocarbon streams conventionally used to preheat hydrocarbon feed can now be used to generate more high pressure steam.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7133/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CONTROLLABLE FILLER PREFLOCULATION USING A DUAL POLYMER SYSTEM

(51) International classification	:D21H 17/67	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/431,356	<b>1)NALCO COMPANY</b>
(32) Priority Date	:28/04/2009	Address of Applicant :1601 WEST DIEHL ROAD,
(33) Name of priority country	:U.S.A.	NAPERVILLE, ILLINOIS 60563-1198, UNITED STATES OF
(86) International Application No	:PCT/US2010/030986	AMERICA
Filing Date	:14/04/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/126712	<b>1)CHENG, WEIGUO</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GRAY, ROSS T.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of preparing a stable dispersion of flocculated filler particles for use in papermaking processes comprises sequential addition of a first flocculating agent to an aqueous dispersion of filler particles followed by shearing of the dispersion, followed by addition of a second flocculating agent to the dispersion and further shearing of the resultant filler flocs to the desired particle size resulting in shear resistant filler flocs with a defined and controllable size distribution. In addition, a neutralizing coagulant can be added to the dispersion to partially or completely neutralize the charge of the filler before the first flocculating agent is added.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7134/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : PATIENT-ADAPTED AND IMPROVED ORTHOPEDIC IMPLANTS, DESIGNS AND RELATED TOOLS

(51) International classification	:A61F 2/30
(31) Priority Document No	:61/155,362
(32) Priority Date	:25/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/025459 :25/02/2010
(87) International Publication No	:WO 2010/099353
(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)CONFORMIS, INC.

Address of Applicant :11 NORTH AVENUE,  
BURLINGTON, MA 01803 U.S.A.

(72)Name of Inventor :

1)BOJARSKI, RAYMOND

2)LANG, PHILIPP

3)CHAO, NAM

4)FITZ, WOLFGANG

5)SLAMIN, JOHN

6)STEINES, DANIEL

(57) Abstract :

Methods and devices are disclosed relating improved articular models, implant components, and related guide tools and procedures. In addition, methods and devices are disclosed relating articular models, implant components, and/or related guide tools and procedures that include one or more features derived from patient-data, for example, images of the patient's joint. The data can be used to create a model for analyzing a patient's joint and to devise and evaluate a course of corrective action. The data also can be used to create patient-adapted implant components and related tools and procedures. FIGURE 3A



FIG. 3A

No. of Pages : 85 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8270/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FEED SUPPLEMENT

(51) International classification	:A23K 1/165
(31) Priority Document No	:61/172,272
(32) Priority Date	:24/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/051804
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/122532
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)DANISCO A/S**

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**(72)Name of Inventor :**

**1)ISAKSEN, MAI FAURSCHOU**

**2)LORENTSEN, RIKKE HOEGH**

**3)PLUMSTEAD, PETER**

**4)ROMERO MILLAN, LUIS FERNANDO**

**5)MADRID, SUSAN**

**6)LIN,CHERRY**

**7)WARD, MICHAEL**

**8)ZARGAHI, MASOUD RAJABI**

---

**(57) Abstract :**

The present invention relates to a feed supplement comprising a phytase and a lipolytic enzyme, wherein said lipolytic enzyme has lipase activity at a pH in the range of about pH1.5 to about pH3.5.

No. of Pages : 182 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2011

(21) Application No.8275/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : RESIN COMPOSITION FOR SOLAR CELL-SEALING MATERIAL

(51) International classification	:H01L 31/042
(31) Priority Document No	:2009-185273
(32) Priority Date	:07/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004913
Filing Date	:04/08/2010
(87) International Publication No	:WO 2011/016233
(61) 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 INK SC HOLDINGS CO., LTD.**

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**2)TOYOCHEM CO., LTD.**

(72)Name of Inventor :

**1)MASUKO, KEISUKE**

**2)FUKUDOME, YASUHIRO**

**3)ONODA, YUSUKE**

**4)SAWADA, SEIJI**

**5)OOI, SATOSHI**

**6)TAKAHASHI, HIDEKI**

---

(57) Abstract :

To achieve improvement in initial conversion efficiency of solar cell modules, inhibition of deterioration in transparency of a resin, inhibition of degradation in adhesive properties with respect to a protective member over time, and inhibition of degradation in conversion efficiency. A resin composition for solar cell-sealing material according to the present invention includes an ethylene copolymer, and further includes at least one of: (i) a compound represented by the following general formula (1); (ii) a calcined product of the (i); (iii) a compound represented by the following general formula (2); and (iv) a calcined product of the (iii). The (i) has an average plate surface diameter of 0.01 to 0.9  $\mu\text{m}$  and a refractive index of 1.45 to 1.55, and the (iii) has an average plate surface diameter of 0.02 to 0.9  $\mu\text{m}$  and a refractive index of 1.48 to 1.6. General formula (1):  $\text{Mg}_1\text{-aA}_1\text{a(OH)}_2\text{-Ann-a/nbH}_2\text{O}$  (0.2  $\leq$  a  $\leq$  0.35, 0  $\leq$  b  $\leq$  1, An: an n-valent anion); General formula (2):  $(\text{McMg}_1\text{-c})_1\text{-dA}_1\text{d(OH)}_2\text{Bmm-d/meH}_2\text{O}$  (M represents a metal selected from the group consisting of Ni, Zn, and Ca; c, d, and e are respectively expressed as 0.2  $\leq$  c  $\leq$  1, 0.2  $\leq$  d  $\leq$  0.4, and 0  $\leq$  e  $\leq$  4; Bm: an m-valent anion).

No. of Pages : 69 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2011

(21) Application No.6940/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : NANOPARTICLE MEDIATED DELIVERY OF SEQUENCE SPECIFIC NUCLEASES

(51) International classification	:C12N 15/82
(31) Priority Document No	:61/167,389
(32) Priority Date	:07/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030155
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/046384
(61) 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 AGROSCIENCES LLC**

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**1)JAYAKUMAR SAMUEL**

**2)JOSEPH PETOLINO**

**3)NARASIMHA SAMBOJU**

**4)STEVEN WEBB**

**5)KERRM YAU**

(57) Abstract :

Provided are methods for i; traducing a sequence specific nuclease into a plant cell comprising a cell wall Methods are provided for genetically or otherwise modifying plants and for Heating or preventing disease in plant cells comprising a cell wall.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7085/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HIGH PERFORMANCE DRILLING FLUIDS WITH SUBMICRON-SIZE PARTICLES AS THE WEIGHTING AGENT

(51) International classification	:C09K 8/03	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/409,240	<b>1)HALLIBURTON ENERGY SERVICES, INC.</b>
(32) Priority Date	:23/03/2009	Address of Applicant :P.O. BOX 1431, DUNCAN, OK 73536
(33) Name of priority country	:U.S.A.	(US) U.S.A.
(86) International Application No	:PCT/GB2010/000469	(72) <b>Name of Inventor :</b>
Filing Date	:16/03/2010	<b>1)ZHANG, YING</b>
(87) International Publication No	:WO 2010/109163	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and compositions utilizing a drilling fluid comprising sub-micron precipitated barite having a weight average particle diameter below about 1 micron. Methods include a method comprising circulating a drilling fluid in a well bore, wherein the drilling fluid comprises: a carrier fluid; and a weighting agent that comprises sub-micron precipitated barite having a weight average particle diameter below about 1 micron are disclosed. In some embodiments, the drilling fluid may comprise an invert emulsion. In some embodiments, the sub-micron precipitated barite has a particle size distribution such that at least 10% of particles in the sub-micron precipitated barite have a diameter below about 0.2 micron, at least 50% of the particles in the sub-micron precipitated barite have a diameter below about 0.3 micron and at least 90% of the particles in the sub-micron precipitated barite have a diameter below about 0.5 micron.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7089/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SANITIZER FORMULATIONS

(51) International classification	:A01N 33/00
(31) Priority Document No	:61/162,362
(32) Priority Date	:23/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028077
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/111155
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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OF AMERICA

(72)Name of Inventor :

**1)PAULA LOUISE MCGEECHAN**

**2)WILLIAM WOODS**

(57) Abstract :

The present invention relates to a stable and effective sanitizer formulation for indirect food contact applications. The formulation contains: (a) an antimicrobial active agent selected from the group consisting of biguanides, monoguanides, and combinations thereof; (b) a dialkyldimethyl ammonium salt, and (c) a compound selected from the group consisting of an alkyldimethylbenzyl ammonium salt, an alkylidimethyl(ethylbenzyl) ammonium salt, an alkoxyLATED alcohol, and combinations thereof

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8260/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : CODE GENERATION

(51) International classification	:G06F 009/00
(31) Priority Document No	:2002952510
(32) Priority Date	:06/11/2002
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2003/001474
Filing Date	:06/11/2003
(87) International Publication No	:WO 2004/042639
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1929/DELNP/2005
Filed on	:06/05/2005

(71)Name of Applicant :

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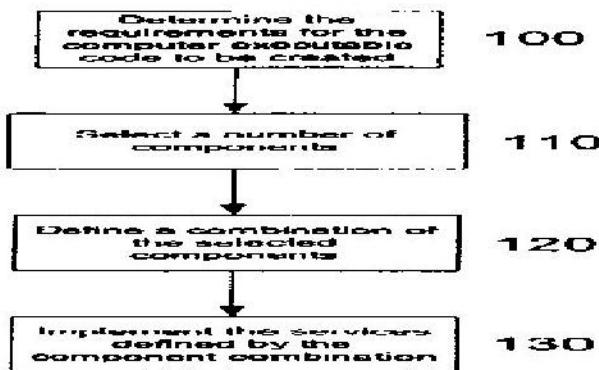
(72)Name of Inventor :

**1)LOVISA, NOEL WILLIAM**

**2)LAWREY, ERIC PHILLIP**

(57) Abstract :

The present invention provides a method of generating computer executable code using components, each of which corresponds to a respective data manipulation service, typically implemented by a respective entity. The method includes defining a combination of components corresponding to a sequence of data manipulations. The data manipulations are then performed, which can be achieved by requesting the provision of each service from the respective entities in accordance with the defined component combination, thereby causing computer executable code to be generated..



No. of Pages : 167 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8269/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : NEW COMPOUNDS, METHODS FOR THEIR PREPARATION AND USE THEREOF

(51) International classification	:C07C 233/54
(31) Priority Document No	:0400234-1
(32) Priority Date	:06/02/2004
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/EP2005/050482
Filing Date	:04/02/2005
(87) International Publication No	:WO 2005/075410
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:4289/DELNP/2006
Filed on	:25/07/2006

(71)Name of Applicant :

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(72)Name of Inventor :

**1)JONSSON, STIG**

**2)ANDERSSON, GUNNAR**

**3)WELLMAR, ULF**

**4)FRITZON, INGELA**

---

(57) Abstract :

Compounds of formula (I), for clinical treatment of autoimmune diseases, inflammatory diseases, organ transplant rejection and malignant neoplasia. A pharmaceutical composition comprising a compound of formula (I) in an amount giving a daily dosage of from 0.005 mg/kg to 10 mg/kg body weight, in particular from 0.025 mg/kg to 2 mg/kg body weight.

No. of Pages : 43 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3030/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 20/09/2013

(54) Title of the invention : WELDED MANIFOLD FOR A STATOR HOUSING SEGMENT

(51) International classification

:F21Q

(31) Priority Document No

:EP10189982

(32) Priority Date

:04/11/2010

(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)LE BESNERAIS; JEAN

2)STIESDAL; HENRIK

(57) Abstract :

The present invention relates to a stator system (100) for an electric machine, in particular a generator of a wind turbine. The stator system (100) comprises a stator housing segment (101), a plate (102), supply system (108) and a manifold segment (103). The stator housing segment (101) comprises a cooling channel (104) which comprises an opening at an axial front face (112) of the stator housing segment (101). The plate (102) is mounted to the axial front face (112) for reinforcing the stator housing segment (101). The supply system (108) is adapted for supplying cooling fluid to the cooling channel (104). The manifold segment (103) is welded to the plate (102) for forming a guide channel (107) for the cooling fluid between the manifold segment (103) and the plate (102). The plate (102) comprises a through-hole for generating a connection between the opening of the cooling channel (104) and the guide channel (107) . The supply system (108) is connected to the guide channel (107). (Figure 1)

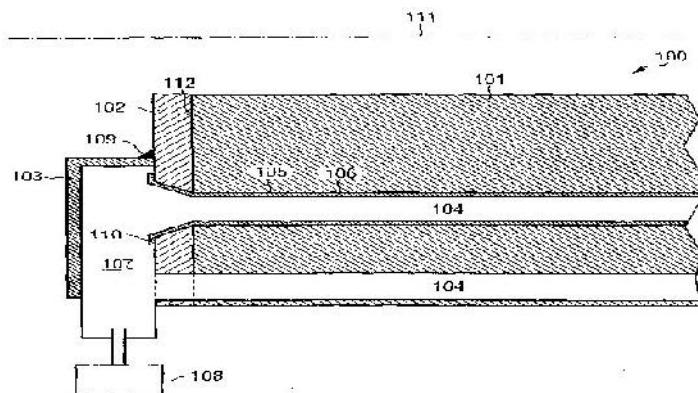


Fig.1

No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.6716/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTAINER CLOSURE SYSTEM HAVING A REMOVABLE OVERWRAP

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(51) International classification	:B65D 55/08
(31) Priority Document No	:61/156,608
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025711
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/101799
(61) 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, OHIO 45202, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)JUAN CARLOS VINSEIRO**

**2)MARTIN JAY MAROTTI**

**3)RAYMOND CHARLES BELL**

---

(57) Abstract :

A tamper resistant closure system for a container (15) having a body, a mouth or opening and a neck portion. The container (15) is fitted with a cap (20) to cover and seal the mouth. The cap (20) is configured with a sidewall (21) extending beyond the top (22) sealing portion of the cap thereby defining a peripheral rim for a cavity or an open void created therewith. Fitted over the cap and preferably at least the neck portion of the container is a protective overwrap (30), such as heat shrinkable thermoplastic band which extends beyond the cap sidewall. The extension of the cap sidewall prevents the overwrap material from securely adhering to the top portion of the cap which would make removal or peeling difficult.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.6717/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : POSITION ENCODER APPARATUS

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(51) International classification	:G01D 5/244
(31) Priority Document No	:0903550.2
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000364
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/100407
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)RLS MERILNA TEHNIKA D.O.O.

Address of Applicant :POSLOVNA CONA ZEJE PRI  
KOMENDI POD VRBAMI 2, 1218 KOMENDA SLOVENIA

2)RENISHAW PLC.

(72)Name of Inventor :

1)GREGOR DOLSAK

2)NA

(57) Abstract :

A scanning device (150) for a position encoder is described that comprises a plurality of sensor elements (16;H) for generating a plurality of sensor signals (S). A summation unit (34) is also provided for generating at least a first summation signal (Sin) and a second summation signal (Cos) that provide information on the relative alignment of the scanning device and an associated scale (14; 152). The first summation signal (Sin) is generated from a first subset of the plurality of sensor signals (S) and the second summation signal (Cos) is generated from a second subset of the plurality of sensor signals (S). The plurality of sensor elements (16;H) are substantially evenly spaced apart from one another and N sensor elements are provided per period (p) of an associated scale (14), wherein N is an integer value and a multiple of three and four, hi this manner, the third harmonic contribution to the summation signals (Sin/Cos) is suppressed.

No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2011

(21) Application No.6880/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LIVE ATTENUATED VACCINES

(51) International classification	:C12N 1/36
(31) Priority Document No	:2009900736
(32) Priority Date	:20/02/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000172
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/094064
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AUSTRALIAN POULTRY CRC PTY LIMITED**

Address of Applicant :BUILDING W21, GEOLOGY ROAD,  
UNIVERSITY OF NEW ENGLAND, ARMIDALE, NEW  
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(72)Name of Inventor :

**1)BROWNING, GELNN FRANCIS**

**2)MARKHAM, PHILLIP FRANCIS**

**3)TSENG, CHI-WEN**

---

(57) Abstract :

The present invention relates to a bacterium attenuated by a mutation in at least one ABC transporter gene wherein the mutation renders the corresponding ABC transporter protein non-functional and wherein the attenuated bacterium persists in a subject.

No. of Pages : 93 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.902/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/03/2011

(43) Publication Date : 20/09/2013

(54) Title of the invention : MEHTOD FOR HEAT REINTEGRATION OF THERMAL ENERGY GAINED FROM A FLUE GAS STREAM

(51) International classification	:F23J
(31) Priority Document No	:10 2010 013 736.7
(32) Priority Date	:31/03/2010
(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)HITACHI POWER EUROPE GMBH**  
Address of Applicant :SCHIFFERSTR. 80, 47059  
DUISBURG, GERMANY

(72)Name of Inventor :

**1)STOEVER, BRIAN  
2)BERGINS, CHRISTIAN  
3)JOORMANN, MARINUS  
4)STEINMETZ, CHRISTIAN**

(57) Abstract :

With a method for reintegration of thermal energy, gained from the flue gas stream of a steam boiler - fired with carbonaceous fuel, especially dried brown coal or hard coal, and run in oxyfuel mode - of a power plant, into the water/steam cycle of the power plant, wherein a first partial stream which gathers the carbonaceous fuel is branched off from the flue gas stream and recirculated to the burners of the steam boiler, and a second partial stream is branched off from the flue gas stream and, flowing through a heat transfer device which is exposed to throughflow, preferably in counterflow, by at least portions of the flue gas stream, is recirculated to the burners of the steam boiler, a solution is to be created which enables improved utilization of the thermal energy which is generated in the oxyfuel mode of a fossil-fired steam boiler. This is achieved by thermal energy, in the form of a partial heat flow, being extracted from a partial stream of the flue gas stream and injected into the water/steam cycle of the power plant in the region of the high-pressure preheating system and/or of the low-pressure preheating system. (Fig. 1)

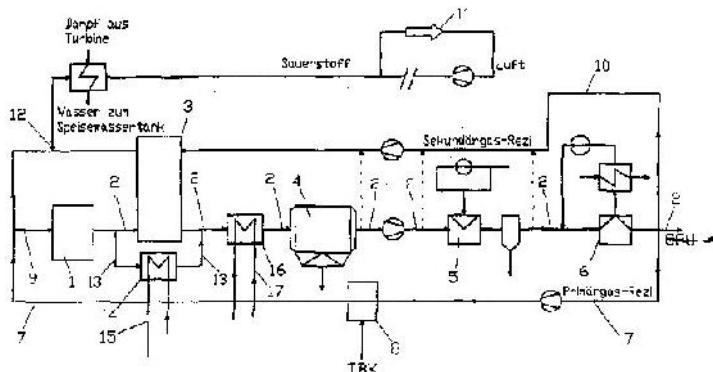


FIG.1

No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2010

(21) Application No.1656/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : GLASS ANTENNA AND WINDOW GLASS FOR VEHICLE

(51) International classification	:H01Q
(31) Priority Document No	:2009-165936
(32) Priority Date	:14/07/2009
(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)ASAHI GLASS COMPANY, LIMITED**

Address of Applicant :5-1, MARUNOUCHI 1-CHOME,  
CHIYODA-KU, TOKYO 100-8405, JAPAN

(72)Name of Inventor :

**1)SAITO, KOICHI**

(57) Abstract :

A glass antenna for a vehicle, includes: a feed part; and an antenna conductor includes: a first element including a first terminating portion which extends in an upward or downward direction and constitutes a termination of extension of the first element in a first direction and a second terminating portion which constitutes a termination of extension of the first element in a second direction; a second element extending in a third direction which is at right angles to the upward or downward direction; the third element extending in a fourth direction which is an opposite direction to the third direction; the fourth element extending in the second direction; the fifth element extends in the second direction; and the connection element extending around an element end in the second direction of the fourth element to connect the feed part with the second terminating portion.

No. of Pages : 65 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6978/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ELECTRIC RESISTANCE WELDED STEEL PIPE HAVING EXCELLENT WORKABILITY AND EXCELLENT POST - QUENCHING FATIGUE PROPERTIES

(51) International classification	:C22C 38/00
(31) Priority Document No	:2009-074840
(32) Priority Date	:25/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055987
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/110490
(61) 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)SHINYA SAKAMOTO  
2)TAKUYA HARA  
3)YOSHIO TERADA  
4)TAKAFUMI SEBAYASHI  
5)ITSUROH HIROSHIGE**

---

(57) Abstract :

Electric resistance welded steel pipe excellent in deformability and fatigue properties after quenching which enables working into complicated shapes without spheroidization and which improves the fatigue properties after cold working and quenching without carburization are provided. The electric resistance welded steel pipe is characterized by containing, by mass%, C: 0.15 to 0.55%, Si: 0.01 to 0.30%, Mn: 0.5 to 1.5%, Ca: 0.0010 to 0.0030%, S: 0.0005 to 0.0050%, and O: 0.0005 to 0.0050%, having contents of Ca, O, and S satisfying 0.10

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6981/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : EQUIPMENT ENCLOSURE

(51) International classification	:H05K 7/20
(31) Priority Document No	:0904358.9
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000467
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/103293
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ENERGY LIMITED**

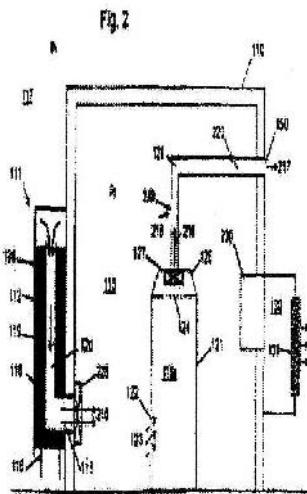
Address of Applicant :BLOCK B, PHASE 2, DEBDALE INDUSTRIAL ESTATE, DEBDALE LANE, KEYWORTH, NOTTINGHAMSHIRE NG12 5HN, UNITED KINGDOM

(72)Name of Inventor :

**1)REDSHAW, STUART, PETER**

(57) Abstract :

A temperature-controllable equipment enclosure (110) comprising: an air inlet (113) having an inlet fan (228) arranged to supply air into the enclosure from an external environment through the air inlet to provide a positive air pressure within the enclosure when enabled; an air outlet (150); a conduit (125) extending between the outlet and an equipment cabinet (121) within the internal volume (115) of the enclosure; and an exhaust fan (127) arranged to drive air through the cabinet and conduit towards the outlet, wherein the conduit comprises an air bypass (240) connecting the internal volume of the enclosure with the interior of the conduit, such that air driven by the exhaust fan through the conduit is recirculated within the internal volume of the enclosure when the inlet fan is disabled and is exhausted from the enclosure through the air outlet when the air inlet fan is enabled.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.6982/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : OX40 / TRAIL FUSION PROTEINS

(51) International classification	:C12P 21/04
(31) Priority Document No	:61/159,941
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027000
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/105068
(61) 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 TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

Address of Applicant :CENTER FOR TECHNOLOGY TRANSFER, 3160 CHESTNUT STREET, SUITE 200, PHILADELPHIA, PA 19140 - 6283, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)TYKOCINSKI, MARK, L.

(57) Abstract :

Fusion proteins which act on the OX40/TRAIL signaling axes are provided. The proteins are useful in the treatment or amelioration of autoimmune diseases, particularly multiple sclerosis, and alloimmune diseases, as well as cancer.

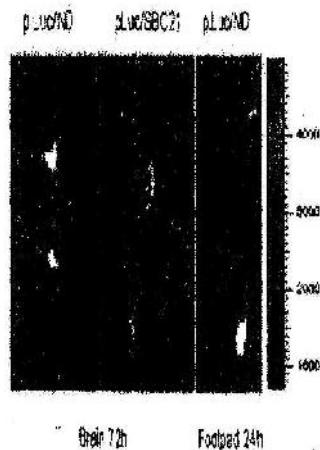


Figure 1

No. of Pages : 57 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2010

(21) Application No.945/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : 'SYSTEM, METHOD AND APPARATUS FOR SEARCH CODE INFORMATION RETRIEVAL'

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/551,951	<b>1)THE TMS WAY LIMITED</b>
(32) Priority Date	:01/09/2009	Address of Applicant :19/F, UNIT B, CHEUK NANG PLAZA, 250 HENNESSY ROAD, WANCHAI, HONG KONG, CHINA, S.A.R. Hongkong(China)
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)FREDERICK HENRY SAURAT</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 information retrieval system using a search code is provided. Embodiments of the present invention may include a processor component configured to perform the operations of a system application, the system application configured to generate one or more data records, the system application further configured to generate multiple search codes and store the multiple search codes and the one or more data records in memory and associate each of the one or more data records with one or more of the multiple search codes, each of the one or more data records including instructions for the execution of a predetermined action. The predetermined action may be, for example, delivering content, sales, a marketing activity, a discount offering, an advertisement campaign, a transaction, an application to use, or any other type of offer that is generally directly at users of offline or online media.

No. of Pages : 31 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7129/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHODS AND DEVICES FOR VENOUS OCCLUSION FOR THE TREATMENT OF VENOUS INSUFFICIENCY

(51) International classification	:A61B 17/08
(31) Priority Document No	:61/154,322
(32) Priority Date	:20/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/024820 :19/02/2010
(87) International Publication No	:WO 2010/096717
(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 :3579 WESTWIND BLVD., SANTA ROSA, CA 94503, U.S.A.

(72)Name of Inventor :

1)RAABE, RODNEY

2)CRAWFORD, DON

3)CHU, JACK

4)ZUO, ZHENYU

5)LAU, JAN

6)ZHANG, XIUCAI

(57) Abstract :

Methods, devices and systems are described for treating venous insufficiency in which the vein is compressed at least partially along a treatment zone. A system can be provided including an injection device (300), such as a glue gun, that is operably connected to a delivery catheter (202) that can be advanced across a treatment zone in the vein (400). The delivery catheter can be used to deliver one, two, or more boluses of media (V2, V2') (e.g., cyanoacrylate) to occlude the vein (400) along different spaced-apart sections of the treatment zone. External compression can also be applied to the vein (400) by a compression element, such as a hand (640) or multifunctional ultrasound transducer (630), to occlude portions of the vein (400) along the treatment zone prior to or during the introduction of the boluses of media (V2, V2').

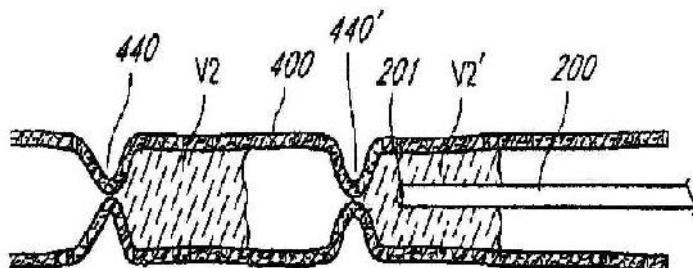


FIG. 21E

No. of Pages : 85 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.713/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : LEAD-ACID BATTERY AND METHOD FOR MANUFACTURING CURRENT COLLECTOR FOR LEAD-ACID BATTERY

(51) International classification	:H01M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-203860	<b>1)SHIN-KOBE ELECTRIC MACHINERY CO., LTD.</b> Address of Applicant :8-1, AKASHI-CHO, CHUO-KU, TOKYO 104-0044, JAPAN
(32) Priority Date	:13/09/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)HIROKI TSUJI</b> <b>2)MASATOSHI MIYATSUKA</b> <b>3)KAZUYA SASAKI</b> <b>4)NAOKI TSUJI</b> <b>5)KENICHI MAEDA</b> <b>6)YOSHIFUMI YAMADA</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 herein is a lead-acid battery for which the risk of breakage of a current collecting lug part of a plate while in use is eliminated by simple means. At least a positive plate group of the lead-acid battery includes: one or more plates each including a current collector having a current collecting portion formed by expanding or punching a lead alloy sheet manufactured by cold rolling, and one or more current collecting lug parts unitarily formed with the current collecting portion; and a strap formed by a cast-on strap casting method and coupled to the one or more current collecting lug parts. The current collecting lug part is formed with an elongated protrusion extending in a direction away from the current collecting portion. The elongated protrusion continuously extends in a direction toward the current collecting portion of the plate from inside the strap.

No. of Pages : 40 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8212/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : WASTE TO ENERGY COMBUSTION SYSTEM

(51) International classification	:F23G 5/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/MY2009/000046
Filing Date	:31/03/2009
(87) International Publication No	:WO 2010/114353
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CAPRIDEON SDN, BHD.

Address of Applicant :17-1, JALAN REMIA 4, BANDAR BOTANIC, 41200 KLANG, SELANGOR (MY) Malaysia

(72)Name of Inventor :

1)KHOO, NEE, KHOON, GIDEON

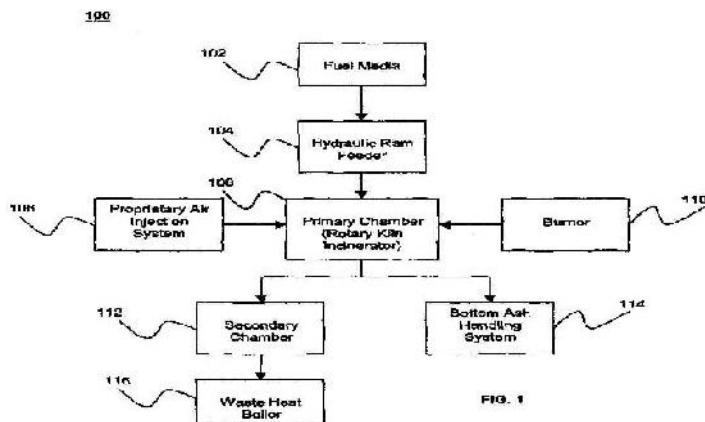
2)KHOO, TZE, YIN, PRISCILLA

3)KHOO, NEE, SHIEN, CALEB

4)RUBINO, FRANK, ANTHONY

(57) Abstract :

A waste to energy combustion system (100), the system comprising a hydraulic ram feeder (104), a proprietary air injection system (106), a primary chamber which is a rotary kiln incinerator (108) and a bottom ash handling system (114). The proprietary air injection system (106) comprises a plurality of air injection nozzles directed tangentially and in the opposite direction of kiln rotation supplying combustion air into the rotary kiln incinerator (108) while inducing a vortex motion, which impinges turbulently against the waste as it rotates and burns and a plurality of water nozzles supplied through a conduit in an air duct having means for quenching to reduce temperature of exhaust gases and to reduce calorific value of waste. A secondary chamber (112) of waste to energy comprises of an air delivery system, a pressure relief valve, a burner and a detection mechanism. The secondary chamber (112) comprises means for receiving flue gas with more resident time, which exits from the rotary kiln incinerator, means for oxidizing residual flue gasses by applying air and heat and means for detecting a need for further combustion through the detection mechanism.



No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.95/DEL/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ONE-PIECE COVERING ELEMENT

(51) International classification	:B60T
(31) Priority Document No	:102010005326.0
(32) Priority Date	:22/01/2010
(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)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT**  
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STUTTGART, GERMANY

(72)Name of Inventor :

**1)MICHAEL PANDURA**  
**2)MARTIN FRANK**

(57) Abstract :

The present invention relates to a covering element for covering an air duct on a dashboard in a motor vehicle. The essential point for the invention here is that the covering element is of one-piece design and comprises the following areas: two lateral air outflow areas and a loudspeaker area arranged therebetween, the lateral air outflow areas each being subdivided into a central area, which can be connected so as to communicate with the air duct, and at least one further air outlet area, via which waste heat from electronic assemblies can be discharged.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7054/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : BALL SCREW DRIVE WITH MARKINS FOR STOP AND MOUNTING METHOD FOR A BALL SCREW DRIVE OF THIS TYPE

(51) International classification	:F16H 25/20
(31) Priority Document No	:10 2009 036 887.6
(32) Priority Date	:10/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/060444
Filing Date	:19/07/2010
(87) International Publication No	:WO 2011/018305
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SCHAEFFLER TECHNOLOGIES AG & CO. KG

Address of Applicant :INDUSTRIESTRASSE 1 - 3, 91074  
HERZOGENAURACH, GERMANY

(72)Name of Inventor :

1)JURGEN OSTERLANGER

2)JOSEF MIKO

3)MANFRED KRAUS

4)STEFANIE BARTHLEIN

(57) Abstract :

A ball screw (7, 24), having a threaded nut (10, 26) which is arranged on a threaded spindle (2, 28) and having a circumferential stop (43) which is arranged between the threaded spindle (2, 28) and the threaded nut (10, 26) and which takes effect in a stop position of the threaded nut (10, 26), wherein a stop part (51) is arranged on the threaded spindle (8, 28), wherein the stop part (51) and the threaded nut (10, 26) are provided in each case with a marking (49, 50) for determining a rotational position of the stop part (51) in which the stop part (51) should be arranged on the threaded spindle (8, 28). Figure 10

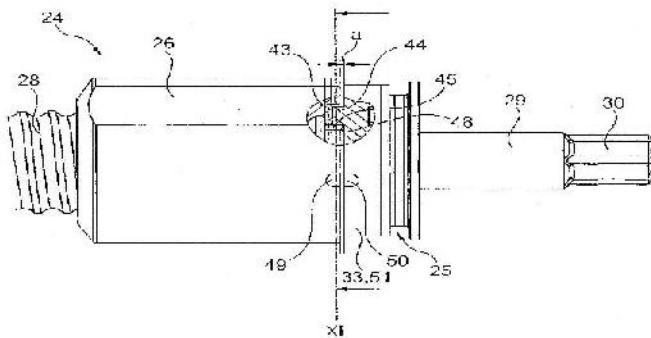


Fig. 10

No. of Pages : 34 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7056/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : HEMORRHOID TREATMENT DEVICE

(51) International classification	:A61H 21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US09/34730
Filing Date	:20/02/2009
(87) International Publication No	:WO 2010/096057
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)JIRO TAKASHIMA

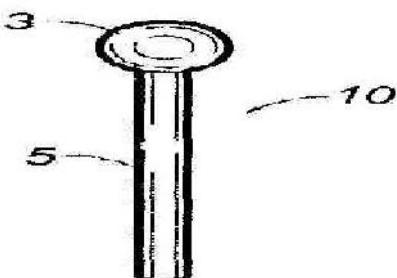
Address of Applicant :7203 SCHILLER, HOUSTON, TEXAS  
77055, U.S.A.

(72)Name of Inventor :

1)JIRO TAKASHIMA

(57) Abstract :

Hemorrhoid treatment device The hemorrhoid treatment device (10) has a head (3) and a shaft (5). The head (3) has a spherical shape which is between 6 and 14 millimeters in diameter. The shaft (5) has a cylindrical shape extending from the head. The minimum length of the shaft (5) is 30mm. The surface area of the head (3) is equal to the surface area of a portion of the shaft (5). The portion of the shaft (5) is defined from a portion adjacent to the head (3) and 1.5 cm to 4.0 cm from the head (3). Ref to figure 1



**FIG. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7058/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AGROCHEMICAL CONCENTRATE COMPRISING AN ADJUVANT AND A HYDROTROPE

(51) International classification	:A01N 25/02
(31) Priority Document No	:0318448.8
(32) Priority Date	:06/08/2003
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2004/003424
Filing Date	:06/08/2004
(87) International Publication No	:WO 2005/013692
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:6114/DELNP/2005
Filed on	:28/12/2005

(71)**Name of Applicant :**

**1)SYNGENTA LIMITED**

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(72)**Name of Inventor :**

**1)GORDON ALASTAIR BELL**

**2)GUY RAMSAY**

(57) Abstract :

An agrochemical concentrate having a continuous water-containing phase said continuous phase comprising an oil-based adjuvant and a hydrotrope capable of solubilising said adjuvant in said continuous phase; and a second phase dispersed in the continuous phase where the second phase is solid and comprises an agrochemical; and the ratio of the adjuvant to the hydrotrope is from 1:10 to 10:1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2010

(21) Application No.959/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PUMP CONTROLLER

(51) International classification	:F04D
(31) Priority Document No	:61/171,254
(32) Priority Date	:21/04/2009
(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)ITT MANUFACTURING ENTERPRISES, INC.

Address of Applicant :1105 NORTH MARKET STREET,  
SUITE 1217, WILMINGTON, DELAWARE 19801, U.S.A.

(72)Name of Inventor :

1)TRAN, DERRICK THANH

2)DANG, THANG QUOC

3)NAVAL, RUFINO JR.

4)PHILLIPS, DAVID L.

(57) Abstract :

The present invention provides a technique using current sensing to control the pressure at constant level without the direct sensing of the pressure. This technique will help to reduce dependency solely on switch or sensor and their non linearity and other associated problems such as the non-repetitive behavior, being affected by EMI etc. The technique includes using a pump controller featuring one or more modules configured to respond to one or more input signals containing information about current provided from a pump; and configured to provide one or more output signals containing information to control the pump to operate at a substantially constant pressure without the direct sensing of pump pressure. The one or more modules control the operation of the pump based at least partly on a table of characteristics related to voltage and current that is calibrated for each pump.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2010

(21) Application No.976/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FIBER CEMENT BOARD WITH MODIFIED FIBER

(51) International classification	:C04B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/475,172	<b>1)WEYERHAEUSER NR COMPANY</b>
(32) Priority Date	:29/05/2009	Address of Applicant :33663 WEYERHAEUSER WAY S, FEDERAL WAY, WA 98003, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ROBERT T. HAMILTON</b>
Filing Date	:NA	<b>2)DAVID J, O'CALLAGHAN</b>
(87) International Publication No	:NA	<b>3)HUGH WEST</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A building material product comprising a cementitious binder, an aggregate and cellulose reinforcing fibers wherein the cellulose reinforcing fibers have been treated with oil which is bound to the fiber by a retention aid. The resulting fiber when included in a fiber cement composite results in improved deflection of the composite at peak loading as well as improved impact strength while maintaining overall board strength.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2010

(21) Application No.4706/DELNP/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CLOSURE FOR THE METERED ADDITION OF A SEPARATE LIQUID SUBSTANCE

(51) International classification	:B65D
(31) Priority Document No	:43/08
(32) Priority Date	:12/01/2008
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/CH2009/000010
Filing Date	:09/01/2009
(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)BELCAP SWITZERLAND AG**

Address of Applicant :RUNDBUCKSTRASSE 6, CH 8212  
NEUHAUSEN AM RHEINFALL SWITZERLAND

(72)Name of Inventor :

**1)SEELHOFER, FRITZ**

(57) Abstract :

The closure is used for the metered addition of a liquid substance packaged separately in this closure in an aseptic manner into a container (26) equipped therewith, which comprises an outgassing liquid. The closure comprises a connector sleeve (1) and a rotary cap (2) fitting thereon from above in an air-tight manner, wherein the connector sleeve (1) forms a cup (7) that fits in the connector (5) of the container to be equipped. In the cup, a liquid substance is accommodated, enclosed in oxygen-tight capsules (17). The cup bottom (8) has an opening (9), which is dimensioned such that when the pressure is the same above and below the opening, the aseptically packaged liquid substance does not flow through the opening (9). In the closed position of the rotary cap (2), the opening (9) is sealingly closed by an arbor (16) on the bottom of the rotary cap (2), wherein the opening (9) can be opened by loosening the rotary cap (2) from the arbor (16), whereby the remaining seal between the rotary cap (2) and connector sleeve (1) is maintained. After further rotating the rotary cap (2), the connector sleeve (1) is entrained by the same and unscrewed from the container connector (5). In this way pressure equalization takes place between the container inside and ambient air, and as a result the liquid substance flows out through the opening (9) into the container (26)

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2011

(21) Application No.56/DEL/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : COMMERCIAL VEHICLE WITH A STEERED AXLE AS VIBRATION ABSORBER

(51) International classification	:B60T
(31) Priority Document No	:10 2010 004 320.6
(32) Priority Date	:12/01/2010
(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)MAN TRUCK & BUS AG

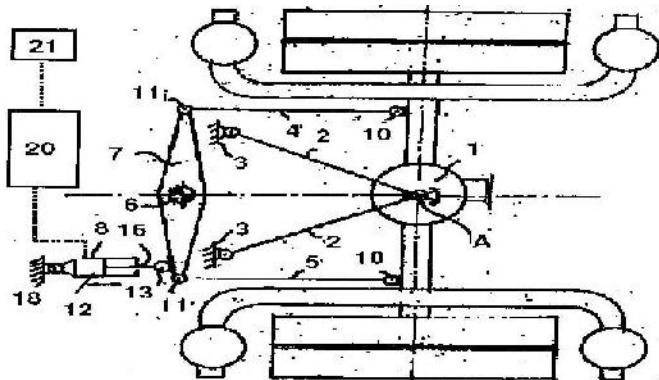
Address of Applicant :DACHAUER STRASSE 667, D -  
80995 MUNCHEN, GERMANY

(72)Name of Inventor :

1)EBERLE, ANDREAS

(57) Abstract :

The axle suspension of a commercial vehicle with a steered rigid axle (1), which is connected in movable manner via a steering device {2, 4, 5} to a frame, a vehicle body or a structure (3) of the commercial vehicle is described, the steering device (2, 4, 5) having at least one actuating unit (8) by means of which a movement of the rigid axle (1) relative to the frame, to the vehicle body or to the structure (3) can be controlled dependent on at least one operating parameter of the vehicle which is detected by means of a sensor unit. The solution described is distinguished in that the sensor unit has at least one vibration sensor (21) with which a vibration of at least one component of the vehicle can be detected and can be transmitted to a control unit (20), in which on the basis of the detected vibration a control signal can be generated and can be relayed to the actuating unit (8), on the basis of which the rigid axle (1) can be caused to move by the actuating unit (8) such that vibrations generated by the movement of the rigid axle (1) at least partially compensate for the detected vibrations of the at least one component of the vehicle.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.985/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/04/2010

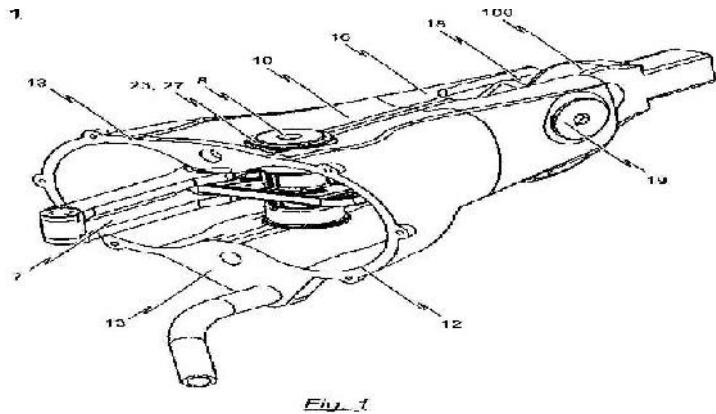
(43) Publication Date : 20/09/2013

(54) Title of the invention : ADAPTER COUPLER FOR ADAPTING COUPLINGS OF DIFFERENT DESING

(51) International classification	:F16B	(71)Name of Applicant :
(31) Priority Document No	:EP 09 162	<b>1)VOITH PATENT GMBH</b>
	958.4	Address of Applicant :SANKT POLTENER STRAE 43, DE-
(32) Priority Date	:17/06/2009	89522 HEIDENHEIM, GERMANY
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)KOLSHORN, KAY UWE</b>
Filing Date	:NA	<b>2)KOBERT, SIEGFRIED</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 an adapter coupler (1) for adapting couplings of different design. The adapter coupler (1) comprises a first connecting mechanism (5) for the releasable connecting of the adapter coupler (1) to a first coupling, a second connecting mechanism (16) for the releasable connecting of the adapter coupler (1) to a second coupling, and a coupler housing (10) to connect the first connecting mechanism (5) to the second connecting mechanism (16). With the objective of simplifying the manual manipulation of the adapter coupler (1), the invention proposes configuring the adapter coupler (1) to be of lightweight construction, wherein the coupler housing (10) is formed from fiber composite material, in particular carbon fiber composite material, and exhibits a shape adapted to an adapter coupler constructed from metal, and wherein the coupler housing (10) exhibits a sturdy fiber architecture relative the stress loads it experiences.



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7077/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :15/09/2011

(43) Publication Date : 20/09/2013

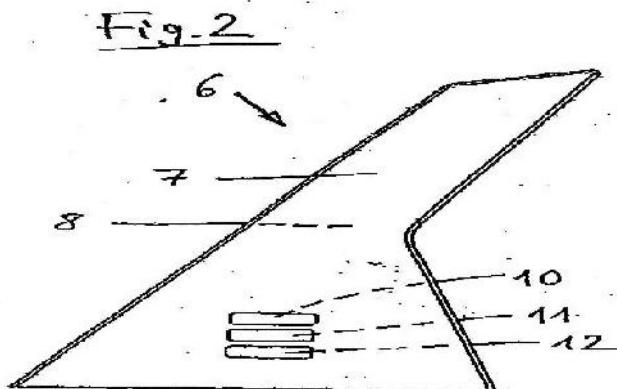
(54) Title of the invention : LIGHT SHADE FOR A MOTOR VEHICLE

(51) International classification :B60R 13/04  
(31) Priority Document No :10 2009 016 760.9  
(32) Priority Date :07/04/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/002109  
Filing Date :01/04/2010  
(87) International Publication No :WO 2010/115585  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)DURA AUTOMOTIVE BODY AND GLASS SYSTEMS GMBH**  
Address of Applicant :KONIGSTRASSE 57 58840 PLETTENBERG (DE) Germany  
(72)Name of Inventor :  
**1)GERNDORF, RALF  
2)SCHULZE ZUR WIESCHE, JOCHEN  
3)BITTNER, NORFRIED  
4)NUSKEN, AXEL  
5)SCHULTE, MARTIN**

(57) Abstract :

A trim made of plastics for a vehicle, In particular a motor vehicle, comprises a first component (7) made of plastics and a second component (8) made of plastics. To Improve such trim, the first component (7) Is at least partly transparent or semi-transparent. The second component (8) includes one or more recesses (10, 11, 12) for a display element and/or for an Input element (Fig. 2).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7078/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CRYSTALLINE TRIPEPTIDE EPOXY KETONE PROTEASE INHIBITORS

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(51) International classification	:C07D 277/56
(31) Priority Document No	:61/162,196
(32) Priority Date	:20/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028126
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/108172
(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)ONYX THERAPEUTICS, INC.**

Address of Applicant :249 E. GRAND AVENUE SOUTH  
SAN FRANCISCO, CA 94080 (US) U.S.A.

(72)Name of Inventor :

**1)PHIASIVONGSA, PASIT**

**2)SEHL, LOUIS, C**

(57) Abstract :

The invention relates to crystalline tripeptide keto epoxide compounds, methods of their preparation, and related pharmaceutical compositions.

No. of Pages : 54 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2010

(21) Application No.946/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHODS AND SYSTEMS TO THERMALLY PROTECT FUEL NOZZLES IN COMBUSTION SYSTEMS

(51) International classification	:F23D
(31) Priority Document No	:12/495,918
(32) Priority Date	:01/07/2009
(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 ROVER ROAD, SCHENECTADY,  
NEW YORK 12345 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)HELMICK DAVID ANDREW**

**2)JOHNSON THOMAS EDWARD**

**3)YORK WILLIAM DAVID**

**4)LACY BENJAMIN PAUL**

---

(57) Abstract :

A fuel nozzle (28) for use in a gas turbine engine (10) is provided. The fuel nozzle (28) includes a plurality of interior surfaces, and a thermal barrier coating (118) applied across at least one of the plurality of fuel nozzle interior surfaces, the thermal barrier coating configured to shield the fuel nozzle interior surfaces from combustion gases.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.965/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ORGANIC RANKINE CYCLE SYSTEM AND METHOD

(51) International classification	:F01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/436,269	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:06/05/2009	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)LEHAR MATTHEW ALEXANDER</b>
Filing Date	:NA	<b>2)FREUND SEBASTIAN W.</b>
(87) International Publication No	:NA	<b>3)SEGHI GIACOMO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An ORC system (10) configured to limit temperature of a working fluid (14) below a threshold temperature is provided. The ORC system (10) includes a heat source (16) configured to convey a waste heat fluid (18). The ORC system (10) also includes a heat exchanger (20) coupled to the heat source (16). The heat exchanger (20) includes an evaporator (22) configured to receive the waste heat fluid (18) from the heat source (16) and vaporize the working fluid (14), wherein the evaporator (22) is further configured to allow heat exchange between the waste heat fluid (18) and the vaporized working fluid at an elevated temperature and further produce an evaporator outlet flow including a lower temperature waste heat fluid (31). The heat exchanger (20) also includes a superheater (24) configured to receive the lower temperature waste heat fluid (31) from the evaporator (22), wherein the superheater (24) is further configured to allow heat exchange between the lower temperature waste heat fluid (31) and a relatively higher temperature working fluid contained in the superheater (24) and further produce a superheater outlet flow comprising an elevated temperature waste heat fluid. The heat exchanger (20) further includes a preheater (28) configured to receive the elevated temperature waste heat fluid from the superheater (24) and allow heat exchange with a relatively lower temperature working fluid in a liquid state contained in the preheater (28).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2010

(21) Application No.994/DEL/2010 A

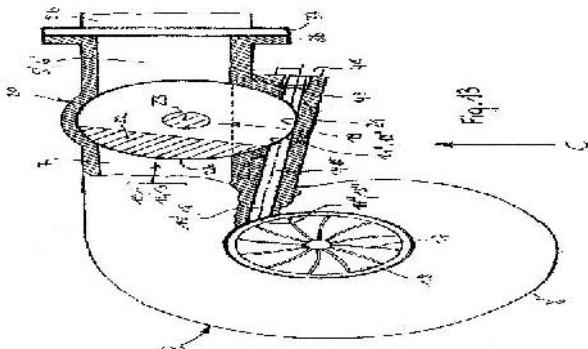
(43) Publication Date : 20/09/2013

(54) Title of the invention : DEVICE FOR INCREASING THE BRAKING PERFORMANCE OF A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE OF A VEHICLE DURING ENGINE BRAKING OPERATION

(51) International classification	:F02D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 019 437.1	<b>1)MAN TRUCK &amp; BUS AG.</b> Address of Applicant :DACHAUER STRASSE 667, D-80995
(32) Priority Date	:29/04/2009	MUNCHEN, GERMANY
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)STIERMANN, ERWIN</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 device for increasing the braking performance of a multicylinder internal combustion engine (1) of a vehicle during engine braking operation, which has an engine-braking device internal to the engine, at least one exhaust turbocharger (4) with an exhaust-gas turbine (8) and a charge-air compressor (3) and also two exhaust-system collecting branches (5, 6), via which in each case the exhaust which is emitted from a plurality of cylinders can be supplied, combined in groups, to the exhaust-gas turbine (8) via the inlet (7; 7a, 7b) thereof. Each exhaust-system collecting branch (5, 6) can be shut off completely during an engine braking operation by a shutoff member (10, 11). Furthermore, a bypass line (14, 15) which can be controlled for opening and closing by a control member (12, 13) branches off from the region of each exhaust-system collecting branch (5, 6) which can be shut off, the end region of which line, which is formed in a turbine casing wall (16) in the manner of a nozzle bore (14, 15), directed at least approximately tangentially on to the outer region of the turbine wheel (17), opens into the turbine chamber (18). According to the invention, the two exhaust-system branch shut-off members (10, 11) and the two bypass-line control members (12, 13) are embodied, functionally and constructively combined, by a rotary valve (19) which is installed in a rotary-valve casing (20) arranged upstream of the turbine chamber (18) in the exhaust stream. The two bypass lines (14, 15) laterally branch off from a bearing bore (21) internal to the casing which receives the rotary valve (19). The rotary valve (19) has a peripheral control gate (22, 22c), with which various connection states can be brought about in different setting positions. Thus during an engine braking operation two partial exhaust streams can be branched off from the exhaust built up in the shut-off exhaust-system collecting branches (5, 6) via the bypass lines (14, 15), which streams then, via the nozzle bores (14, 15), either in the form of two exhaust jets or combined into one exhaust jet, hit the blades of the turbine wheel (17) at high pressure and high speed, and thus accelerate the turbocharger (4). The compressed air resulting therefrom has a braking-performance-increasing effect in the combustion chambers of the internal combustion engine (1).



No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8228/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A Marchantiales-derived gene

(51) International classification	:A01J
(31) Priority Document No	:2003-425673
(32) Priority Date	:22/12/2003
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2004/019196
Filing Date	:22/12/2004
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:4150/DELNP/2006
Filed on	:19/07/2006

(71)Name of Applicant :

**1)Suntory Holdings Limited**

Address of Applicant :1-40 Dojimahana 2-chome Kita-ku  
Osaka-shi Osaka 5308203 JAPAN

(72)Name of Inventor :

**1)Kenji OHYAMA**

(57) Abstract :

The present invention relates to a Marchantiales-derived gene that has at least 90% identity to a DNA nucleotide sequence or its complementary sequence of SEQ ID NO: 5 and encodes a protein having  $\Delta$ 5 fatty acid desaturating activity.

No. of Pages : 57 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8229/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STIRRING ROTATING BODY AND STIR DEVICE

---

(51) International classification	:H01B
(31) Priority Document No	:2009-148223
(32) Priority Date	:23/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059811
Filing Date	:10/06/2010
(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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(71)Name of Applicant :

1)IPMS Inc.

Address of Applicant :8-10-6 Ginza Chuou-ku Tokyo  
1040061 JAPAN

(72)Name of Inventor :

1)Kazuhisa MURATA

(57) Abstract :

It is an object to provide a stirring rotor and a stirring device capable of performing a stirring operation in a safe and efficient manner irrespective of intended purposes.

No. of Pages : 147 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/06/2010

(21) Application No.4605/DELNP/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : PROCESS FOR PRODUCTION OF 4-(SUBSTITUTED PHENYL) HEXAHYDROPYRIDO [2,1-C][1,4]OXAZIN-6-ONE

(51) International classification	:C07D
(31) Priority Document No	:61/016,796
(32) Priority Date	:26/12/2007
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/JP2008/073513 :25/12/2008
(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)EISAI R&D MANAGEMENT CO., LTD.

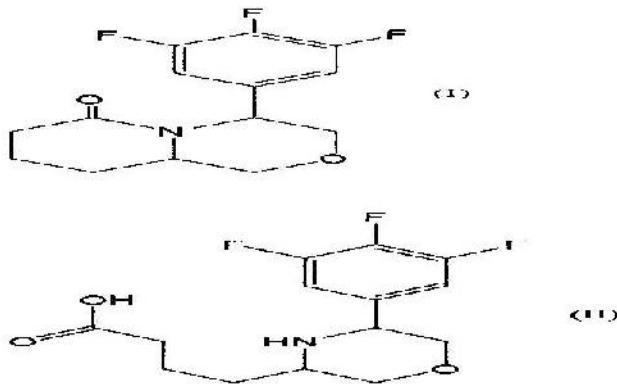
Address of Applicant :6-10, KOISHIKAWA 4-CHOME,  
BUNKYO-KU, TOKYO, JAPAN

(72)Name of Inventor :

- 1)AKIO KAYANO
- 2)MITSUO NAGAI
- 3)YORIHISA HOSHINO
- 4)KAZUNORI WAKASUGI
- 5)MASAAKI MATSUDA
- 6)ATSUSHI KAMADA
- 7)MINETAKA ISOMURA
- 8)YOSHIHIRO NISHIKAWA
- 9)SEIJI YOSHIKAWA
- 10)DAISUKE SHIMMYO
- 11)ERIKO DOI
- 12)TOSHIHIKO KANEKO

(57) Abstract :

4-(Substituted phenyl)hexahydropyrido[2,1-c][1,4]oxazin- 6-one represented by formula (I) or a salt thereof is useful as an intermediate for the production of a bicyclic cinnamide compound which is an A production inhibitor. 4-(Substituted phenyl)hexahydropyrido[2,1-c][1,4]oxazin-6-one or the salt thereof can be produced in an industrially advantageous manner by subjecting a compound represented by formula (II) or a salt thereof to an intramolecular condensation reaction.



No. of Pages : 45 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/01/2011

(21) Application No.496/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR USING MULTIPLE FREQUENCY BANDS FOR COMMUNICATION

(51) International classification	:H04N
(31) Priority Document No	:61/084,560
(32) Priority Date	:29/07/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/051873
Filing Date	:27/07/2009
(87) International Publication No	:WO 2010/014559
(61) 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, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)ALEKSANDAR JOVICIC**

**2)JUNYI LI**

**3)RAJIV LAROIA**

**4)THOMAS J. RICHARDSON**

---

(57) Abstract :

Methods and apparatus for using different frequency bands are described. In some embodiments a first frequency band which is a licensed spectrum frequency band is used for peer discovery, device authentication, session establishment between peer devices and/or supporting an ongoing communications through control signaling. When available, a second frequency band, e.g., an unlicensed public frequency band is used for communicating data while the communications session is maintained using one or more control signals communicated in the first frequency band. Data and control signaling may be performed on a time division basis during a time period in which data is communicated.

No. of Pages : 34 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/02/2011

(21) Application No.976/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : ACOUSTIC SIGNAL PROCESSING SYSTEM, ACOUSTIC SIGNAL DECODING APPARATUS, PROCESSING METHOD IN THE SYSTEM AND APPARATUS, AND PROGRAM

(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-148220	<b>1)SONY CORPORATION</b>
(32) Priority Date	:23/06/2009	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO 1080075, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/059440	<b>1)MINORU TSUJI</b>
Filing Date	:03/06/2010	<b>2)TORU CHINEN</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 amount of computation in an acoustic signal decoding apparatus for a signal transform process from a frequency domain to a time domain is reduced while realizing the generation of appropriate output acoustic signals. An output control unit 340 receives, from a code string separating unit 310, pieces of window information including a window shape showing the type window function related to a windowing process of input channels, and, if all the pieces of window information are the same, switches the connections of output switching units 351 to 355 to a frequency domain mixing unit 510. The frequency domain mixing unit 510 mixes frequency domain signals of five channels supplied from a decoding/dequantizing unit 320 on the basis of downmix information that causes the number of output channels to be smaller than the number of input channels. IMDC/windowing processing units 521 and 522 transform frequency domain signals of two channels output from the frequency domain mixing unit 510 into time domain signals, thereby outputting the signals as acoustic signals of two channels.

No. of Pages : 88 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2010

(21) Application No.990/DEL/2010 A

(43) Publication Date : 20/09/2013

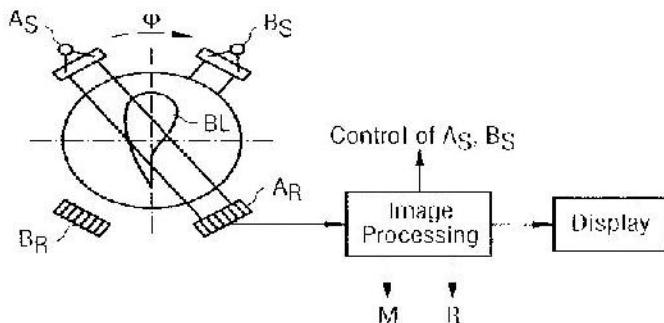
(54) Title of the invention : METHOD TO INSPECT A BLADE

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:EP09008587	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:30/06/2009	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EPO	MUNCHEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)STIESDAL; HENRIK</b>
(87) International Publication No	:NA	<b>2)WOLF; ERIK</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 method to inspect the quality of a blade, especially of a wind-turbine-blade. At least parts of the blade are inspected by a computer-tomography-method using radiation. The radiation is directed through the blade for the inspection. A transmitter sends the radiation through the blade. A receiver receives the sent radiation after its passing through the blade. The position of the transmitter, of the receiver and/or of the blade is changed in relation to each other, to perform the inspection of the blade. FIG 2

## FIG 2



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7053/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : DAMPING SYSTEM FOR ARTICULATED VEHICLE AND METHOD FOR REGULATING THE DAMPING FORCE OF SUCH A DAMPING SYSTEM

(51) International classification	:B62D 47/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0900344-3	<b>1)SCANIA CV AB (PUBL)</b>
(32) Priority Date	:18/03/2009	Address of Applicant :S-151 87 SODERTALJE, SWEDEN
(33) Name of priority country	:Sweden	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/SE2010/050280	<b>1)OSCAR ROBERTSSON</b>
Filing Date	:15/03/2010	<b>2)CRISTER CROMNOW</b>
(87) International Publication No	:WO 2010/107370	<b>3)RICKARD LYBERGER</b>
(61) Patent of Addition to Application Number	:NA	<b>4)FREDERIK LAANEN</b>
Filing Date	:NA	<b>5)DAN JONSSON</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Damping system for articulated vehicle and method for regulating such a damping system. In a normal state, when there is no risk situation with regard to mutual outswing between the forward vehicle element (2) and the rear vehicle element (3) of the vehicle, the damping means (30a, 30b) of the damping system are caused to exert a damping force which is pulsated, in order thereby to facilitate mutual straightening up between the forward vehicle element and the rear vehicle element. When it is determined that there is a risk situation with regard to mutual outswing between the forward vehicle element and the rear vehicle element, the damping means are caused to exert a damping force which is non-pulsated and stronger than the damping force in the normal state, in order thereby temporarily to prevent the articulation angle from increasing, after which the damping means are caused to revert to the normal state with pulsated damping force of reduced strength.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.964/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FIXED FRAME WINDOW OR DOOR SYSTEM

(51) International classification

:E06B

(31) Priority Document No

:61/171,925

(32) Priority Date

:23/04/2009

(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)MILGARD MANUFACTURING INCORPORATED**

Address of Applicant :1010 54TH AVENUE EAST,  
TACOMA, WA 98424, U.S.A.

(72)Name of Inventor :

**1)FURGERSON, DAVID**

**2)GIGGS, JULIAN**

**3)POTTHAST, JAMES**

**4)KRUMPE, GERAINT**

**5)BAKER, WAYNE PHILIP**

---

(57) Abstract :

A window or door system includes a frame adapted to be received within a window or door opening. A window or door unit is disposed on the frame, and a retainer is received by interference fit on either the frame or the window or door unit. The retainer has a portion that extends to engage the other of the frame and window or door unit, and to hold the window or unit on the frame. The frame can be rectangular, for example, and the retainer may be linear extending along at least one edge of the frame. The frame can include an outwardly opening slot, and the retainer may be received by snap fit in the slot.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.6734/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CODON-OPTIMISED HEPATITIS B VIRUS CORE ANTIGEN

(51) International classification	:A61K 39/29
(31) Priority Document No	:61/149,299
(32) Priority Date	:02/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/000324
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/086743
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)CHRONTECH PHARMA AB**

Address of Applicant :HALSOVAGEN 7, S-141, 57  
HUDDINGE SWEDEN

(72)Name of Inventor :

**1)SALLBERG MATTI**

**2)FRELIN LARS**

---

(57) Abstract :

Disclosed herein are isolated nucleic acids, compositions of isolated nucleic acids, and compositions of polypeptides that are useful for the generation, enhancement, or improvement of an immune response to a target antigen. Some embodiments of the compositions include hepatitis B core antigen (HBcAg) protein and a heterologous protein antigen. In some embodiments, an isolated nucleic acid encoding hepatitis B core antigen (HBcAg) protein and a heterologous protein antigen is disclosed. Also disclosed herein are methods of administering the composition or isolated nucleic acid to generate an immune response, where HBcAg acts as adjuvant to improve the immune response to the heterologous protein. In certain embodiments, the HBcAg is as a stork or heron hepatitis antigen.

No. of Pages : 102 No. of Claims : 127

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.6738/DELNP/2011 A

(43) Publication Date : 20/09/2013

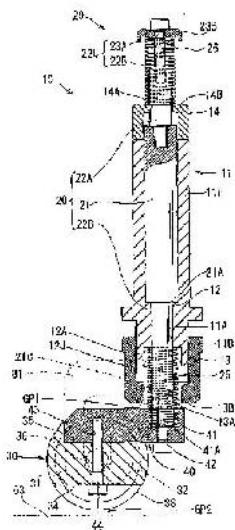
(54) Title of the invention : APPARATUS FOR FEEDING SHEET, BOOKLET OR THE LIKE, AND SYSTEM FOR SORTING FORWARDING DOCUMENTS

(51) International classification	:B65H 3/56	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-055036	<b>1)EZA WA JIMUKI CO., LTD.</b>
(32) Priority Date	:09/03/2009	Address of Applicant :28, MISATO, SUKESHICHI, KIYOSU-SHI, AICHI 4520902, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/053621	<b>1)ITO YUHIKO</b>
Filing Date	:05/03/2010	
(87) International Publication No	:WO 2010/104003	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are an apparatus for feeding sheets, booklets or the like having a wider adjustable range according to the thickness of the object than the conventional apparatus, and a system for sorting forwarding documents with the foregoing feeding apparatus. In the feeding apparatus 100, a moving shaft 20 is supported by a fixed sleeve 11 so as to be movable upward and downward. A main compression coil spring 25 is located between the moving shaft 20 and the fixed sleeve 11 and imparts a main spring force to the moving shaft 20 in order that an overlap feed limiting member 30 is pressed against a conveying belt 63. A sub compression coil spring 26 imparts an oppositely directed sub spring force to the moving shaft 20. A position of a pressing washer 23B is displaced downward by a threading engagement of an upper end adjusting bolt 23A, so that even when the spring force of the main compression coil spring 25 is increased, an increased amount is cancelled by an increase in the spring force of the sub compression coil spring 26. [Selected drawings] FIG. 4

FIG. 4



No. of Pages : 100 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2010

(21) Application No.975/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : FIBER CEMENT BOARD WITH MODIFIED FIBER

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(51) International classification

:C04B

(31) Priority Document No

:12/475,206

(32) Priority Date

:29/05/2009

(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 building material product comprising a cementitious binder, an aggregate and cellulose reinforcing fibers wherein the cellulose reinforcing fibers have been treated with cationic or nonionic oil. The resulting fiber when included in a fiber cement composite results in improved deflection of the composite at peak loading as well as improved impact strength while maintaining overall board strength.

No. of Pages : 12 No. of Claims : 6

(71)Name of Applicant :

**1)WEYERHAEUSER NR COMPANY**

Address of Applicant :33663 WEYERHAEUSER WAY S,  
FEDERAL WAY, WA 98003, U.S.A.

(72)Name of Inventor :

**1)ROBERT T. HAMILTON**

**2)DAVID J. O'CALLAGHAN**

**3)HUGH WEST**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8243/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : GETTER SUPPORT STRUCTURE FOR A SOLAR THERMAL POWER PLANT

(51) International classification	:F24J 2/46
(31) Priority Document No	:61/176,148
(32) Priority Date	:07/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/056249
Filing Date	:07/05/2010
(87) International Publication No	:WO 2010/128135
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

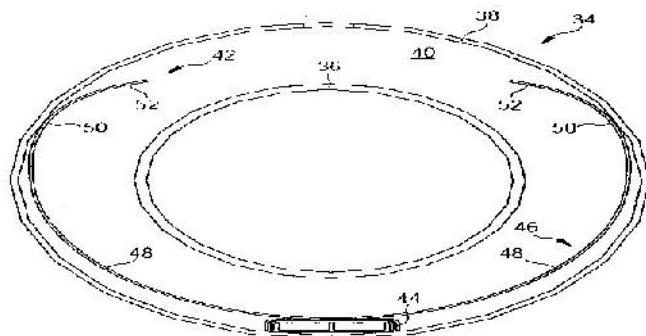
**1)SIEMENS CONCENTRATED SOLAR POWER LTD.**  
Address of Applicant :3 HA-HAC'SHARA 99107 BEIT  
SHEMESH (INDUSTRIAL AREA WEST), ISRAEL

(72)Name of Inventor :

**1)MENASHE, BARKAI**

(57) Abstract :

There is provided a pipe in a solar thermal power plant, the pipe comprising an inner tube configured for carrying a heated heat transfer fluid, an outer tube surrounding the inner tube, wherein the space between the inner and outer tube is evacuated, and a getter restraint structure configured for maintaining getters in a predetermined position. The getter restraint structure is in contact with the outer tube and otherwise entirely free of contact with the inner tube and/or is in thermal isolation from the inner tube. Fig:3



**Fig: 3**

No. of Pages : 22 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2010

(21) Application No.955/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : TUBELESS STEEL WHEEL

(51) International classification	:B60B	(71)Name of Applicant :
(31) Priority Document No	:EP10159478	<b>1)IOCHPE-MAXION S.A.</b>
(32) Priority Date	:09/04/2010	Address of Applicant :RUA DR. OTHON BARCELLOS, 83,
(33) Name of priority country	:EUROPEAN UNION	12702-330 CRUZEIRO SP, BR-BRASIL
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)FRANCISCO ANTONIO DE SOUZA MANSO</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 :

There is described a tubeless wheel for vehicles intended for the transport of loads or large number of passengers, such as trucks or buses, with external valve (8), as well as the products rim (1), disk (2) and valve (8) with the disk (2) mounted on the second ledge (4) of the rim (1). The parts have such geometry that, by a combination of factors distributed between rim (1), disk (2) and valve (8), enable the placement of the valve (8) on the external side of the disk (2) and the valve laying region is defined by two concurrent planes exempt of ribs.

No. of Pages : 32 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2010

(21) Application No.982/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ENERGY-SAVING AND WIND-POWERED AERATOR

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(51) International classification	:F03D
(31) Priority Document No	:098211067
(32) Priority Date	:19/06/2009
(33) Name of priority country	:Taiwan
(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)JETPRO TECHNOLOGY, INC.

Address of Applicant :NO, 1-57, ZHONGHUA RD.,  
YONGKANG CITY, TAINAN COUNTY 710, TAIWAN

(72)Name of Inventor :

1)CHEN, SHIH HSIUNG

(57) Abstract :

An energy-saving and wind-powered aerator includes a floating carrier (1), a wind turbine (2), a water stirrer (3), and a transmission element (4). The floating carrier (1) has a supporting structure (12). The wind turbine (2) is connected to an upper portion of the supporting structure (12). The water stirrer (3) is mounted to the floating carrier (1). The transmission element (4) is connected to the wind turbine (2) and the water stirrer (3). The water stirrer (3) is rotated by means of the rotation of the wind turbine (2) and a driving action of the transmission element (4). With this arrangement, the wind turbine (2) is blown by natural and inexhaustible wind to rotate, so that the water stirrer (3) can be driven by the transmission element (4) to beat water rapidly, thereby increasing the amount of oxygen dissolved in the water and facilitating the decomposition of organic compounds in the water. In this way, the water quality can be improved and the amount of electricity consumed in aquaculture industries can be reduced to increase the profit.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.966/DEL/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : AN IMPROVED ORGANIC RANKINE CYCLE SYSTEM AND METHOD

(51) International classification	:F01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/436,277	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:06/05/2009	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)LEHAR MATTHEW ALEXANDER</b>
Filing Date	:NA	<b>2)FREUND SEBASTIAN W.</b>
(87) International Publication No	:NA	<b>3)SEGHI GIACOMO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An ORC system (10) configured to limit temperature of a working fluid (14) below a threshold temperature is provided. The ORC system (10) includes a heat source (16) configured to provide waste heat fluid (18). The ORC system (10) also includes a heat exchanger (20) coupled to the heat source (16), wherein the heat exchanger (20) includes multiple external (82) or internal (84) enhancement features. The external (82) enhancement features are configured to reduce a first heat transfer coefficient between the working fluid (14) and the waste heat fluid (18) from the heat source (16), external to the heat exchanger (20). The internal (84) enhancement features are configured to increase a second heat transfer coefficient between the working fluid (14) and the waste heat fluid (18) from a heat source (16), internal to the heat exchanger (20).

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2010

(21) Application No.954/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SPINNING MACHINE

(51) International classification	:D01H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-186065	<b>1)MURATA MACHINERY, LTD.,</b> Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN
(32) Priority Date	:10/08/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)OKA MASAKI,</b> <b>2)SUSAMI HIROYUKI</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 spinning frame includes a yarn accumulating roller, an electric motor, and a unit controller. The yarn accumulating roller temporarily accumulates a spun yarn produced by a spinning device by winding the spun yarn around an outer peripheral surface thereof and rotating. The electric motor drives and rotates the yarn accumulating roller. The unit controller carries out a first control to control the electric motor to rotate the yarn accumulating roller backward when it is necessary to unwind the spun yarn wound around the yarn accumulating roller. Next, the unit controller carries out a second control to control the electric motor to rotate the yarn accumulating roller backward at a speed which is higher than a rotational speed during the first control. Then, the unit controller carries out a control to spin off a yarn entangled with a flyer or the like by temporarily increasing a backward rotational speed of the yarn accumulating roller during the second control.

No. of Pages : 47 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.969/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HIGH-VOLTAGE BUSHING OF A ROTATING ELECTRIC MACHINE

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(51) International classification	:H02K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-105337	<b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN
(32) Priority Date	:23/04/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)YASUO KABATA</b> <b>2)YOSHIHIRO TANIYAMA</b> <b>3)JUNICHI UEMATSU</b> <b>4)MIKIO KAKIUCHI</b> <b>5)TAKASHI UEDA</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 :

In a high-voltage bushing of a rotating electric machine, the communicating holes are inclined at least toward a circumferential direction of the hollow conductor or toward a machine external side from a direction vertical to a wall surface of the hollow conductor.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2010

(21) Application No.939/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF AROMATIC AMINES

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009	<b>1)BAYER MATERIALSCIENCE AG</b>
	019 436.3	Address of Applicant :51368 LEVERKUSEN, GERMANY
(32) Priority Date	:29/04/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)KNUT SOMMER</b>
(86) International Application No	:NA	<b>2)KARL-HEINZ WILKE</b>
Filing Date	:NA	<b>3)PETER LEHNER</b>
(87) International Publication No	:NA	<b>4)FRANZ-ULRICH GEHLEN</b>
(61) Patent of Addition to Application Number	:NA	<b>5)LESLAW MLECZKO</b>
Filing Date	:NA	<b>6)STEPHAN SCHUBERT</b>
(62) Divisional to Application Number	:NA	<b>7)RAINER BELLINGHAUSEN</b>
Filing Date	:NA	<b>8)EVIN HIZALER HOFFMANN</b>

(57) Abstract :

The invention relates to a process for the hydrogenation of nitroaromatics to aromatic amines in the gas phase with hydrogen on catalysts arranged in stationary or virtually stationary beds in a reactor, in which the catalyst in the reactor is at least partly replaced continuously or at periodic intervals, at least 10 % of the catalyst being replaced within 20 days.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7065/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONVEYOR SAFETY CONTROL

(51) International classification	:B66B 29/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/002874
Filing Date	:20/04/2009
(87) International Publication No	:WO 2010/121629
(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)OTIS ELEVATOR COMPANY**

Address of Applicant :TEN FARM SPRINGS ROAD,  
FARMINGTON, CT 06032 U.S.A.

(72)Name of Inventor :

**1)SENGER ALOIS**

**2)KAMENICKY BERNARD**

(57) Abstract :

A conveyor system has a plurality of sensors coupled to a computer system, the computer system being programmed to check a number of safety functions greater than the number of sensors. A method of controlling the safety function of the conveyor comprises providing signals from a plurality of sensors disposed in relation to the conveyor to a computer system; operating the conveyor in a learn mode; during operation in the learn mode determining in the computer system the relationship between the sensor output signals and pre-stored logic in the computer system which describes the physical geometry of the possible conveyor types and permissible operating characteristics thereof and determining the relationship between the sensor output signals to establish the safety integrity of the sensors, and storing sensor signal patterns as a reference pattern; and subsequently operating the conveyor in a run mode in which safety functions are monitored; and during the run mode comparing in the computer system the pattern of sensor signals with the reference pattern and with the pre-stored logic so as to establish the safety integrity of the sensors, of the computer system and of the operation of the conveyor.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.722/DEL/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTROL DISTRIBUTION TRANSFORMER AND METHOD MAKING SAME

(51) International classification

:H02J

(31) Priority Document No

:12/751,151

(32) Priority Date

:31/03/2010

(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)HERSHEY JOHN ERIK**

**2)HARTMAN MICHAEL JAMES**

**3)KING ROBERT DEAN**

**4)ZINSER RICHARD LOUIS**

**5)ROSS JOHN ANDERSON FERGUS**

**6)DELL'ANNO MICHAEL JOSEPH**

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(57) Abstract :

A method, system, and apparatus including a distribution transformer (100) having a communications module (116). The distribution transformer (100) is configured to convert a first high voltage electricity from a high voltage distribution line (102) to a first low voltage electricity and convey the first low voltage electricity along a low voltage line (110) to an electrical device (112, 114). The communications module (116) is configured to transmit a load reduction request along the low voltage line to the electrical device (112, 114).

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.961/DEL/2010 A

(43) Publication Date : 20/09/2013

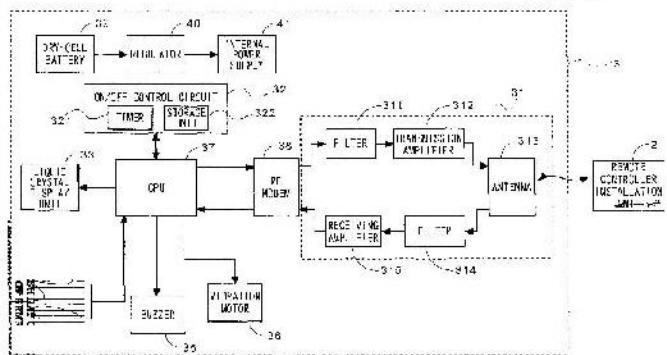
(54) Title of the invention : REMOTE OPERATION APPARATUS OF WORKING MACHINE

(51) International classification	:G08C	(71)Name of Applicant :
(31) Priority Document No	:2009-113485	1)HONDA MOTOR CO., LTD.,
(32) Priority Date	:08/05/2009	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)TOSHINORI INAGAWA 2)TOSHIKAZU NAKAMURA
(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 :

In a remote operation apparatus of a working machine including a working machine side transmission/reception unit (21) and a radio remote operation means (3) having a remote control side transmission/reception unit (31), an ON/OFF control circuit (32) for controlling the operation/non-operation state of the remote control side transmission/reception unit (31) is disposed to the radio remote operation means (3), and the working machine side transmission/reception unit (21) is called when the remote control side transmission/reception unit (31) is in an operating state by that the ON/OFF control circuit (32) is turned on, and the data showing the driving state of the working machine (1) is transmitted from the working machine side transmission/reception unit (21) to the remote control side transmission/reception unit (31) to thereby reduce an electric power consumption amount on the radio remote operation means (3) .

F i g . 2



No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8218/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ISOTOPE PRODUCTION SYSTEM AND CYCLOTRON

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(51) International classification	:H05H 13/00
(31) Priority Document No	:12/435,903
(32) Priority Date	:05/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028090
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/129100
(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)GENERAL ELECTRIC COMPANY**

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

(72)Name of Inventor :

**1)NORLING JONAS**

**2)ERIKSSON TOMAS**

(57) Abstract :

A cyclotron that includes a magnet yoke having a yoke body that surrounds an acceleration chamber. The cyclotron also includes a magnet assembly to produce magnetic fields to direct charged particles along a desired path. The magnet assembly is located in the acceleration chamber. The magnetic fields propagate through the acceleration chamber and within the magnet yoke, wherein a portion of the magnetic fields escapes outside of the magnet yoke as stray fields. The cyclotron also includes a vacuum pump that is coupled to the yoke body. The vacuum pump is configured to introduce a vacuum into the acceleration chamber. The magnet yoke is dimensioned such that the vacuum pump does not experience magnetic fields in excess of 75 Gauss.

No. of Pages : 44 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8219/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : GAS MIST PRESSURE BATHING SYSTEM

(51) International classification	:A61H 33/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-235407	<b>1)NAKAMURA SHOICHI</b>
(32) Priority Date	:09/10/2009	Address of Applicant :1468, HIGASHIJO, CHIKUHOKUMURA, HIGASHICHIKUMA-GUN, NAGANO 3997502 JAPAN
(33) Name of priority country	:Japan	<b>2)ACP JAPAN CO., LTD.</b>
(86) International Application No	:PCT/JP2010/059983	(72) <b>Name of Inventor :</b>
Filing Date	:12/06/2010	<b>1)NAKAMURA SHOICHI</b>
(87) International Publication No	:WO 2011/043106	
(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 to provide a gas mist pressure bathing system enabling to cause a gas mist to be absorbed into the skin and the mucous membrane of the living organism under an optimum condition of controlling the amounts of gas and liquid. The system comprises a gas supply means 11 for supplying carbon dioxide, oxygen, otherwise a mixed gas of carbon dioxide, oxygen or air at a density of not less than a predetermined value, a liquid supply means 21, a gas mist supply means 31 which sucks up the liquid by negative pressure owing to gas flow for causing the liquid to collide with the gas for generating the gas mist prepared by pulverizing and dissolving the gas and the liquid, a living organism covering member 51 which forms a space for sealing inside the gas mist supplied from the gas mist supply means 31, wherein a gas mist supplying pressure regulating means 41 provided for controlling supplying pressure of the gas mist in such a manner of changing communicating conditions between the inside and the outside of the gas mist supply means 31 as well as regulating an amount of taking in outside air by changing.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7112/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : BOOKMARKING SYSTEM

(51) International classification	:G06F 17/30
(31) Priority Document No	:0904113.8
(32) Priority Date	:10/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050428
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/103325
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)INTRASONICS S.A.R.L.

Address of Applicant :15, RUE EDWARD STEICHEN, L-2540 LUXEMBOURG,

(72)Name of Inventor :

1)HOSKING, IAN, MACHAEL

2)LONG, NICHOLAS, JAMES

3)SUTTON, CHRISTOPHER

(57) Abstract :

A bookmarking system is described for allowing users to bookmark audio and video content for sharing with other users. The system allows the bookmark to be generated with minimal user involvement, making the process as easy to use as the bookmarking of websites on a computer device. A disambiguation server is provided to disambiguate the content to be bookmarked. The disambiguation server uses information from various sources to provide a number of candidates for selection by the user. Historical data and the bookmarks of other users can also be used to aid the disambiguation process.

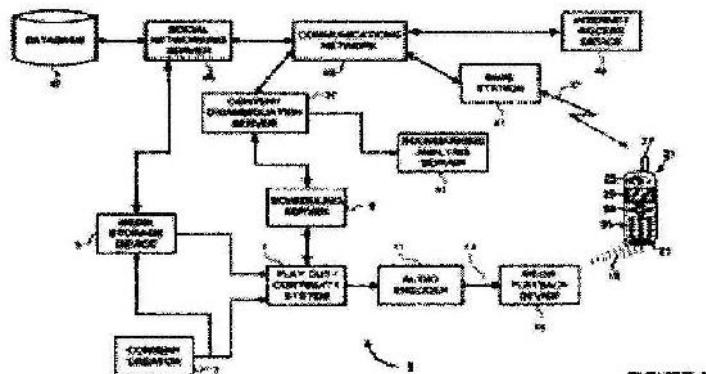


FIGURE 1

No. of Pages : 36 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8230/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : MONEY-TRANSFER TECHNIQUES

(51) International classification	:G11B
(31) Priority Document No	:09/829,614
(32) Priority Date	:10/04/2001
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2002/01618
Filing Date	:18/01/2002
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:01612/DELNP/2003
Filed on	:07/10/2003

(71)**Name of Applicant :**

**1)UNITELLER FINANCIAL SERVICES**

Address of Applicant :218 Route 17 North Rochelle Park NJ 07622 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)GUTIERREZ-SHERIS Luis Eduardo**

(57) Abstract :

A financial institution (12) has a web-based server (11) for use in transferring money between a customer and a beneficiary. The server provides an online money-transfer service via the Internet and the PSTN (Public Switched Telephone Network). A customer having a client computer (21) a telephone having DTMF (Dual-Tone Multiple Frequency) access and a credit card opens a transaction web page provided by the server. The customer inputs transaction data into the web page including the sum of money customer and beneficiary data and basic payment data such as credit-card information except perhaps the credit card number.

No. of Pages : 104 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8231/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFYING A LANDMARK

(51) International classification	:A61B 17/88
(31) Priority Document No	:61/173,069
(32) Priority Date	:27/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030784
Filing Date	:12/04/2010
(87) International Publication No	:WO 2010/129141
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SMITH & NEPHEW, INC.**

Address of Applicant :1450 EAST BROOKS ROAD,  
MEMPHIS, TENNESSEE 38116, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)NICHOLAS S. RITCHEY**

**2)SIED W. JANNA**

**3)CHARLES C. HEOTIS**

**4)HOA LA WILHELM**

---

(57) Abstract :

A system for targeting landmarks on devices such as surgical implants is disclosed. The system can include a field generator for generating one or more magnetic fields, an orthopaedic implant located within the magnetic fields, the implant having at least one landmark, a removable probe with a first magnetic sensor, a landmark identifier and a processor. The landmark identifier can contain a second sensor, or, alternatively, the field generator. The processor can utilize sensor data and, if desirable, field generator and other information, to generate and display the position and orientation of the sensor(s) in preferably six degrees of freedom, and thereby, to generate and display the position and orientation of the landmark(s). The system allows for blind targeting of one or more landmarks. The landmark identifier, field generator and/or drill motor may be disposed in an autoclavable housing.

No. of Pages : 114 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2011

(21) Application No.8238/DELNP/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SUBSTITUTED ISOQUINOLINE DERIVATIVE

(51) International classification	:C07D 217/02
(31) Priority Document No	:2009-146040
(32) Priority Date	:19/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004101
Filing Date	:18/06/2010
(87) International Publication No	:WO 2010/146881
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

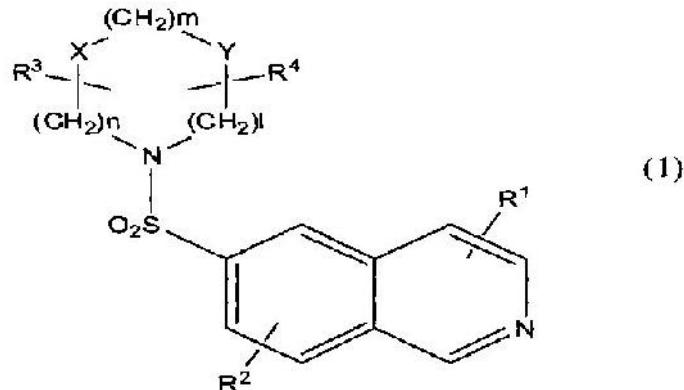
**1)D. WESTERN THERAPEUTICS INSTITUTE, INC.**  
Address of Applicant :1-18-11, NISHIKI, NAKA-KU,  
NAGOYA-SHI, AICHI 460-0003, JAPAN

(72)Name of Inventor :

**1)HIROYOSHI HIDAKA  
2)KOUICHI TAKAHASHI  
3)YOSHIHIRO INOUE  
4)KENGO SUMI  
5)RYOHEI NAKAMURA**

(57) Abstract :

The present invention provides an isoquinoline-6-sulfonamide derivative that is useful as a novel pharmaceutical agent. The present invention provides an isoquinoline-6-sulfonamide derivative represented by Formula (1), a salt thereof, or a solvate of the derivative or the salt: wherein X and Y each independently represent a direct bond, NH, CH=CH, O, or S; R1 and R2 each independently represent a hydrogen atom, a halogen atom, a cyano group, an alkyl group, or the like; R3 and R4 each independently represent a hydrogen atom, an alkyl group, or the like, or R3 and R4 together form an alkylene group or an alkenylene group, which may be bridged between two carbon atoms to an arbitrary position; and 1, m, and n represent an integer number of 1 to 4.



No. of Pages : 207 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2010

(21) Application No.987/DEL/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ELECTRICAL EQUIPMENT HAVING A HINGE TYPE CLOSING STRUCTURE

(51) International classification	:G03B
(31) Priority Document No	:JP2009-109908
(32) Priority Date	:28/04/2009
(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)SUMITOMO WIRING SYSTEMS LTD.

Address of Applicant :1-14 NISHISUEHIRO-CHO,  
YOKKAICHI-CITY, MIE 510-8503, JAPAN

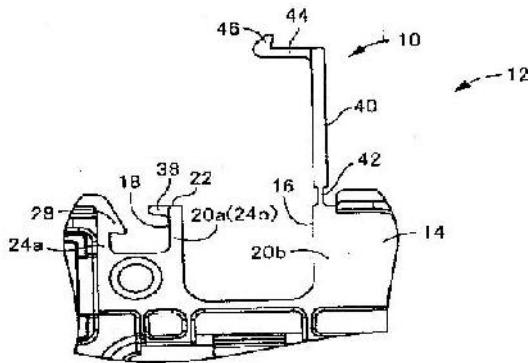
(72)Name of Inventor :

1)SHUNSUKE MIZUKAMI

(57) Abstract :

To provide an electrical equipment having a hinge type closing structure that enables a closing plate (40) to cover a containing groove (16) and to maintain a stable latching position, said closing plate (40) is provided on one side wall distal end portion in a width direction of the containing groove (16). A locking groove (18) is provided on the other side wall distal end portion in the width direction of the containing groove (16) in parallel to the containing groove (16). A locking piece (44) that protrudes toward the locking groove (18) is provided on a distal end edge portion of the closing plate (40). A latching projection (28) is provided on a wall inner surface (26a) of the locking groove (18) at a side apart from the containing groove (16). A latching pawl (46) to be engaged with the latching projection (28) is provided on the locking piece (44). (Fig. 3)

【図3】



No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7116/DELNP/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : THERAPEUTIC USES OF MASTIC GUM FRACTIONS

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(51) International classification	:A61K 31/745
(31) Priority Document No	:61/157,215
(32) Priority Date	:14/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000183
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/100650
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)REGENERA PHARMA LTD**

Address of Applicant :8 MENACHEM PLAUT STREET,  
TAMAR PARK, 76326 REHOVOT ISRAEL.

(72)Name of Inventor :

**1)HAZAN ZADIK**

(57) Abstract :

The invention relates to therapeutic uses of gum mastic, and compounds found therein including polymeric myrcene. More particularly, the invention relates to methods of treating impaired neurological function using compositions comprising polymeric myrcene.

No. of Pages : 103 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7118/DELNP/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : 'SPIROHETEROCYCLIC PYRROLIDINE DIONE DERIVATIVES USED AS PESTICIDES

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(51) International classification	:C07D 471/10
(31) Priority Document No	:0906164.9
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/054216
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/115780
(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)SYNGENTA PARTICIPATIONS AG

Address of Applicant :SCHWARZWALDALLEE 215, CH-4058 BASEL SWITZERLAND.

(72)Name of Inventor :

1)MUEHLEBACH MICHEL

2)HUETER OTTMAR FRANZ

(57) Abstract :

Compounds of the formula (I) wherein the substituents are as defined in claim 1 are useful as pesticides.

No. of Pages : 84 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.962/DEL/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CATIONIC ELECTRODEPOSITION COATING COMPOSITION

---

(51) International classification	:C08G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-105914	<b>1)KANSAI PAINT CO., LTD.</b>
(32) Priority Date	:24/04/2009	Address of Applicant :33-1, KANZAKI-CHO, AMAGASAKI-SHI, HYOGO 6618555, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)SHIGEO INSHIGUCHI</b> <b>2)AKIHIKO SHIMASAKI</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 object of the present invention is to provide a coating composition that has excellent throwing power and electrodeposition coating applicability onto hot dip galvanized steel sheets, and that provides a cationic electrodeposition coating film having a superior finish and excellent anti-corrosion properties, and a multilayer coating film with a superior finish formed on the cationic electrodeposition coating film by a 3C1B process. The present invention provides a cationic electrodeposition coating composition having amino group-containing epoxy resin (A) obtained by reacting epoxy resin (A1) having an epoxy equivalent of 500 to 2,500 with amine compound (A2); and blocked polyisocyanate curing agent (B).

No. of Pages : 58 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1014/MUMNP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING INDOOR CONTEXT INFORMATION•

(51) International classification	:H04W 64/00
(31) Priority Document No	:61/250,867
(32) Priority Date	:12/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052384
Filing Date	:12/10/2010
(87) International Publication No	:WO/2011/046969
(61) 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)GUPTA Rajarshi**

**2)WACHTER Andreas K.**

(57) Abstract :

The subject matter disclosed herein relates to a system and method for determining indoor context information relating to a location of a mobile device. Indoor context information may be utilized by a mobile device or a network element to obtain an estimate of a location of the mobile device within an indoor environment.

No. of Pages : 50 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2012

(21) Application No.1015/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : RUNWAY MEASUREMENT SYSTEM AND METHOD

(51) International classification	:G01C 15/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/FI2009/050904
Filing Date	:10/11/2009
(87) International Publication No	:WO/2011/058212
(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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Finland

(72)Name of Inventor :

1)Sunio Juha (Mr.)

2)Nousiainen Jonna (Ms.)

3)Pekkarinen Matti (Mr.)

(57) Abstract :

A measuring system comprising a fixed measurement unit (101), a data processing unit (130) and a mobile unit (120). The mobile unit comprises a planar base (111), a reflector (118), an elevation element (119) fixed to the base and the reflector, and attaching the reflector to a fixed position in respect of the base. The mobile unit comprises also mobility means (112) for moving the base along a surface (113) such that the spatial orientation of the base (114) substantially corresponds with the spatial orientation of the currently underlying part of the surface. In addition the mobile unit comprises tilt measuring means (123) for determining a deviation between the spatial orientation of the base and a plane perpendicular to the ambient gravitational force, and tilt elimination means for eliminating the effect of the determined deviation. Measurement results are thus more accurate.

No. of Pages : 23 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1016/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR IMPROVING SECURITY OF USER ACCOUNT ACCESS•

(51) International classification	:H04L 9/32
(31) Priority Document No	:2009905040
(32) Priority Date	:16/10/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/001360
Filing Date	:14/10/2010
(87) International Publication No	:WO/2011/044630
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ARMORLOG LTD

Address of Applicant :18 Athol Street Douglas Isle of Man IM1 1JA Great Britain. U.K.

(72)Name of Inventor :

1)LEAHY Louis

(57) Abstract :

A system and method for providing access to a user account is provided, and in particular for improving the security to a user when entering access details, for example when logging on to Internet sites, networks, software and web applications. On one form, there is a system for providing access to a user account via an electronic device having a visual display screen, including communication means for issuing at least one security identifier to the user, said security identifier including one or more characters chosen from a predetermined character set; a database for storing said at least one security identifier and said predetermined character set; a processor for providing an access interface on said visual display screen for said user to input said security identifier, wherein said access interface includes a graphical display character set which includes at least the characters comprising the security identifier; and for comparing said security identifier entered by said user on the graphical display character set to the security identifier stored in said database, and for comparing said security identifier entered to a predetermined security identifier stored in said database, and if comparison is successful, providing access to said user account.

No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/03/2011

(21) Application No.683/MUM/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : INTEGRATED ENDURANCE TEST RIG FOR MASTER LIGHT SWITCH HEAD LAMP, PARKING, OFF, FRONT & REAR FOG FUNCTION

(51) International classification	:G01R 31/44; G01R31/12; G01R19/00	(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	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)UDAY SHANKAR SAMBARE</b>
(33) Name of priority country	:NA	<b>2)RAJENDRA YADAORAO KHODE</b>
(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 invention discloses an integrated endurance test rig configured for automated testing of Master Light Switch controlling head lamp, parking and off, front and rear fog functions. The integrated endurance test rig includes a rigid frame for mounting a test rig structure and fixing it to the ground, a clamping fixture for holding the Master Light Switch at an inclined angle equal to an actual vehicle mounting angle, driving means for actuating angular and linear motion of a function selector knob of the Master Light Switch and a control unit for controlling direction and angle of rotation of the driving means for generating angular and linear motion and synchronizing such angular and linear motion simultaneously to produce Cork Screw motion for testing the Master Light Switch.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1012/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MOVABLE METAL SEPARATOR

(51) International classification	:B02C 23/08
(31) Priority Document No	:10-2011-0073450
(32) Priority Date	:25/07/2011
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2012/002238
Filing Date	:28/03/2012
(87) International Publication No	:WO/2013/015508
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ROH Gi-Young

Address of Applicant :101-1005 The Sharp Adelliseu Apt. U 1-dong Haeundae-gu Busan 612-875 Republic of Korea.

(72)Name of Inventor :

1)LEE Sun Hee

(57) Abstract :

The present invention provides a movable metal separator, including a base equipped with attachment/detachment means so that the base is detached from and attached to the loading box of a vehicle; feed means configured to convey a container containing separated matters in order to separate metals; a hopper configured to include transmission means installed on the side of the feed means and configured to filter the separated matters from the container that is turned over and a support configured to support the container that is turned over and thrown so that the container does not come in contact with the transmission means and configured to have a rubber layer formed on a surface thereof; a feed screw installed under the hopper and configured to convey the separated matters; a ball mill supplied with the separated matters from the hopper and configured to separate the metals by pulverizing metal substances; and a dust collector coupled to the ball mill and configured to filter dust generated in the ball mill. The metal separator can be carried and used at a desired place without being influenced by the time and space, and separated metal particles can be kept, stored, and conveyed more easily.

No. of Pages : 72 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1013/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PACKAGE FOR TOBACCO-RELATED ARTICLES

(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/EP2010/007007
Filing Date	:18/11/2010
(87) International Publication No	:WO/2011/060930
(61) 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**

Address of Applicant :P.O. Box 244 Upton Road Southville  
Bristol BS99 7UJ United Kingdom.

(72)**Name of Inventor :**

**1)HOLLOWAY Steve**

**2)COLLINS Tim**

**3)KNORR Solvey**

**4)SOUTHEY Neil**

**5)JENKINS Paul**

**6)BUCKINGHAM Alistair**

**7)WOLFGRAMM Regine**

**8)GURKE Inga**

**9)NOVAK Slavomir**

**10)DEVIVIER Guillaume**

(57) Abstract :

A package (1) for tobacco-related articles comprises an outer shell (2), a lid (4) which is adapted to close the top side of the outer shell (2) and can be swivelled about a hinge line, and an inner shell (6). The inner shell (6) accommodates a plurality of tobacco-related articles and can be shifted in the outer shell (2) from a retracted position to an advanced position, which enables access to the tobacco-related articles. A cutout (20) in the outer shell (2) exposes part of the inner shell (6) and enables transmitting a force onto the inner shell (6) for moving the inner shell (6). A connector (50) pushes the lid (4) into its opened state when the inner shell (6) is moved into its advanced position and pulls the lid (4) into its closed state when the inner shell (6) is moved into its retracted position.

No. of Pages : 44 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.735/MUM/2011 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ENANTIOMERS OF FLUCONAZOLE ANALOGUES CONTAINING THIENO-[2,3-D]PYRIMIDIN-4(3H)-ONE MOIETY AS ANTIFUNGAL AGENTS

(51) International classification	:C07D495/04; C07D495/00	(71)Name of Applicant : <b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b> Address of Applicant :ANUSANDHAN BHAVAN, 2,RAFI MARG, NEW DELHI-110 001, INDIA.
(31) Priority Document No	:NA	<b>2)FDC LIMITED</b>
(32) Priority Date	:NA	(72)Name of Inventor : <b>1)BORATE , HANUMANT BAPURAO</b> <b>2)MAUJAN,SULEMAN RIYAJSAHEB</b> <b>3)SAWARGAVE , SANGMESHWER PRABHAKAR</b> <b>4)CHAVAN , SUBHASH PRATAPRAO</b> <b>5)CHANDAVARKAR ,MOHAN ANAND</b> <b>6)IYER , RAMKRISHNAN RAMACHANDRAN</b> <b>7)NAWATHYE , VIKAS VASANT</b> <b>8)CHAVAN , GAJANAN JALINDAR</b> <b>9)TAWTE, AMIT CHANDRAKANT</b> <b>10)RAO , DEEPALI DAMODAR</b>
(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 discloses novel enantiomeric antifungal compounds of Formula (la) and Formula (lb) containing thieno-[2,3-d]pyrimidin-4(3H)-one moiety and pharmaceutically acceptable salts thereof, method of preparing these compounds, the use of these compounds in prevention and treatment of fungal infections, and pharmaceutical preparations containing these compounds.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.737/MUM/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN IMPROVED MECHANISM FOR MOUNTING OF BREAKER SECONDARY ISOLATING CONTACTS IN MOUNTING BLOCK OF CIRCUIT BREAKER

(51) International classification	:H02B1/00; H02B 1/048	(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)KANNADKAR Dinesh R.;</b>
(33) Name of priority country	:NA	<b>2)LONDHE Rajesh S.;</b>
(86) International Application No Filing Date	:NA :NA	<b>3)ASHIRWAD Amiya;</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 relates to an improved mechanism for mounting of breaker secondary isolating contacts (SIC) in mounting block of circuit breaker. The mechanism comprising atleast one mounting block of circuit breaker and atleast one secondary isolating contacts (SIC) assembly mounted on the mounting block of circuit breaker. The mounting block of circuit breaker comprises a slot in the mounting block , a snap-fit means on the Mounting Block to provide with snap fit action and a slot substantially T-shaped on the Mounting Block. The secondary isolating contacts (SIC) assembly mounted on the mounting block of circuit breaker, comprises a spring clamp, a contact, a housing adapted to accommodate the spring and contact within it, a cover placed on the assembly to have cassette type construction, an elongation on the bottom of the assembly , an slit means provided at one end of the assembly to provide snap fit mechanism to the snap-fit means and an extrude substantially T-shaped on the back side of the assembly.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.1042/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CURABLE RESIN COMPOSITION

(51) International classification	:C08F 290/06
(31) Priority Document No	:2009-225646 (JP)
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066839
Filing Date	:28/09/2010
(87) International Publication No	:WO/2011/040407
(61) 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)Jun WATANABE**

(57) Abstract :

Disclosed is a curable resin composition which contains the following components (A) to (C) and shows a high adhesive strength: (A) one or more compounds selected from the group consisting of (a-1) a polymer having one or more (meth)acryloyl groups at an end or a side chain of the molecule and also having a diene-based skeleton or a hydrogenated diene-based skeleton, (a-2) an elastomer, and (a-3) a copolymerized polyester; (B) a (meth)acrylate having fluorine; and (C) a polymerization initiator. The curable resin composition may further contain (D) a (meth)acrylate other than the components (A) and (B) and (E) a silane coupling agent. The component (B) is preferably a (meth)acrylic acid ester having, as an ester residue, a fluoroalkyl group having 2 to 8 carbon atoms.

No. of Pages : 60 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.1043/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SEALING THE EDGES OF PHOTOVOLTAIC MODULES

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(51) International classification	:H01L 31/048
(31) Priority Document No	:09175021.6 (EP)
(32) Priority Date	:04/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/066639
Filing Date	:02/11/2010
(87) International Publication No	:WO/2011/054821
(61) 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)MEIER Heinz**

**2)ROHRER Hans**

**3)KEISER Stefan**

**4)LUSSI Josef**

**5)BLANK Norman**

(57) Abstract :

The present invention relates to a method for sealing the edges of photovoltaic modules, comprising the steps of i) providing a photovoltaic module 12 by applying at least one photovoltaic laminate 1 to a carrier 8; ii) treating the photovoltaic module produced in step i) along the edge region of the photovoltaic laminate by means of a plasma pretreatment or by flame application by means of a gas flame, such that both the edge region of the photovoltaic laminate and, at least partially, the carrier is detected by the plasma pretreatment or the flame application; and iii) applying a sealing mass 9 at least partially to the pretreated location, wherein the sealing mass is a silicone composition or a composition based on silane-terminated poly(meth)acrylates.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2011

(21) Application No.656/MUM/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A METHOD AND SYSTEM FOR IMPLEMENTATION OF INTERACTIVE TELEVISION APPLICATION

(51) International classification	:H04N 7/173; H04N21/20	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DAS DIPTESH</b>
(33) Name of priority country	:NA	<b>2)GHOSE AVIK</b>
(86) International Application No Filing Date	:NA :NA	<b>3)SINHA PRIYANKA</b>
(87) International Publication No	:N/A	<b>4)BISWAS PROVAT</b>
(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 and system for implementation of an interactive television application. Particularly, the invention provides method and system for designing and implementation of synchronized interactive television applications using quick response (QR) code, wherein the quick response (QR) code is used to tag the broadcasted television content. More particularly, the invention provides method and system for decoding the quick response (QR) code at the receiver side to provide a universal resource locator (URL) which hosts augmented services for the content on the interactive television as well as on the secondary communication device.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2011

(21) Application No.772/MUM/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SOLAR COOKER WITH TRACKABLE PARABOLIC REFLECTOR

(51) International classification	:F24J2/02; F24J2/12	(71) <b>Name of Applicant :</b> <b>1)DR. VIVEK SUNNAPWAR</b> Address of Applicant :AL-6-6-12, OMKAR APPARTMENTS, SECTOR 5, AIROLI, NAVI MUMBAI 400708 Maharashtra India <b>2)ANAND MAHURKAR</b>
(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)DR. VIVEK SUNNAPWAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ANAND MAHURKAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A parabolic solar cooker is disclosed that includes a parabolic reflective dish that is moved in a predefined direction to continually aim the focal spot of the dish on the bottom end portion of the cooking pot. The movable parabolic dish is positioned on and guided by an arcuate frame. The cooker also includes a pot holder that gives three degrees of freedom to position the cooker pot at desired location. The cooker includes a tracking mechanism that moves the parabolic dish along the arcuate frame such that the focal spot is continually focused on the bottom end portion of the pot. The tracking mechanism uses a float, a flexible string, a pair of pulleys and a container with liquid to move the dish in accordance with the sunlight.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1027/MUMNP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ANODE ACTIVE MATERIAL FOR A RECHARGEABLE LITHIUM BATTERY

(51) International classification	:H01M 4/505
(31) Priority Document No	:10-2009-0108344
(32) Priority Date	:11/11/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/007768
Filing Date	:04/11/2010
(87) International Publication No	:WO/2011/059204
(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 :106-204 Emko Town Apt. 494  
Samsan-dong Bupyeong-gu Incheon 403-090 Republic of  
Korea.

**2)MYUNG Seung-Taek**

(72)**Name of Inventor :**

**1)JO Jae Won**

**2)MYUNG Seung-Taek**

(57) Abstract :

The present invention relates to a production method for an anode active material for a rechargeable lithium battery, comprising the steps of: producing a lithium-containing oxide by subjecting a mixture of Li<sub>2</sub>CO<sub>3</sub>, MnO<sub>2</sub>, MgO, Al<sub>2</sub>O<sub>3</sub> and Co<sub>3</sub>O<sub>4</sub> to a heat treatment at 900°C to 1,000°C in air or oxygen for between 10 and 48 hours; producing a MO (where M is one or other of Mg, Co and Ni, and the valency is 2) which constitutes a nanoparticulate metal oxide (of from 5 to 500 nm); and producing an anode active material by dry or wet mixing the crushed nanoparticulate metal oxide in a weight ratio of between 0.01 to 10 weight percent with respect to the lithium-containing oxide. According to the present invention, Li<sub>1.1</sub>Mn<sub>1.9</sub>O<sub>4</sub> which constitutes a basic spinel is substituted by MgAl<sub>2</sub>O<sub>4</sub> in the spinel form such that the structure is stabilised, and is substituted by Co<sub>3</sub>O<sub>4</sub> in the spinel form such that electronic conductivity is improved and battery performance is enhanced, and the nanoparticulate metal oxide MO (where M is one or other of Mg, Co and Ni, and the valency is 2) which is introduced as an additive performs the role of a scavenger for HF (hydrogen fluoride) generated as electrolyte breakdown proceeds, thereby allowing use as an anode active material for a rechargeable lithium battery of LiMn<sub>2</sub>O<sub>4</sub> in the spinel form, and thus the present invention provides an anode active material for a rechargeable lithium battery wherein the rechargeable lithium battery can be of reduced cost and can have increased output, increased life and increased capacity, and also provides a production method therefor.

No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2010

(21) Application No.3287/MUM/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR PROTECTING PRIVILEGED ACCOUNTS AGAINST UNAUTHORIZED ACCESS

(51) International classification	:G06F 7/00; G06F 21/00	(71)Name of Applicant : <b>1)TATA CONSULTANCY SERVICES LTD.</b> Address of Applicant :NIRMAL BUILDING, 9th FLOOR, NARIMAN POINT, MUMBAI-400 021, Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)RAMAMOORTHY, VINOD SRINIVAS</b>
(33) Name of priority country	:NA	<b>2)SHUKLA, MANISH</b>
(86) International Application No Filing Date	:NA :NA	<b>3)LODHA, SACHIN PREMSUKH</b>
(87) International Publication No	: NA	<b>4)CHAMARTY, SITARAM</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A computer implemented system and method for managing shared accounts has been disclosed. The system includes an access control means and an access control station. The access control station comprises sensing means adapted to sense access requests corresponding to the shared accounts and redirecting means for redirecting sensed requests to the access control station. The access control station comprises a repository for storing authentication credentials of a plurality of qualified shared account users and secured credentials and/or passwords for accessing the shared accounts. The access control station prompts the requestors of said redirected sensed requests for authentication credentials. The access control station compares the authentication credentials received from the requestors on prompt with the authentication credentials stored in the repository and based on the comparison provides access to the shared accounts to the requestors.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.978/MUMNP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR PRODUCTION OF BIOFUELS USING A FIBER CONDUIT REACTOR

(51) International classification	:C10L 1/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/576,407	<b>1)MASSINGILL John Lee</b>
(32) Priority Date	:09/10/2009	Address of Applicant :104 Inwood Drive San Marcos Texas
(33) Name of priority country	:U.S.A.	78666 United States of America
(86) International Application No	:PCT/US2010/052165	(72) <b>Name of Inventor :</b>
Filing Date	:11/10/2010	<b>1)MASSINGILL John Lee</b>
(87) International Publication No	:WO/2011/044552	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fiber reaction process whereby reactive components contained in immiscible streams are brought into contact to effect chemical reactions and separations. The conduit reactor utilized contains wettable fibers onto which one stream is substantially constrained and a second stream is flowed over to continuously create a new interface there between to efficiently bring about contact of the reactive species and thus promote reactions thereof or extractions thereby. Co-solvents and phase transfer catalysts may be employed to facilitate the process.

No. of Pages : 37 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.1040/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHODS FOR THE PRODUCTION OF L-CARNITINE

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(51) International classification	:C07C 227/34
(31) Priority Document No	:61/262,367
(32) Priority Date	:18/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/006901
Filing Date	:12/11/2010
(87) International Publication No	:WO/2011/060903
(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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(71)Name of Applicant :

**1)LONZA Ltd**

Address of Applicant :M¼nchensteinerstrasse 38 CH-4002  
Basel Switzerland

(72)Name of Inventor :

**1)PARADIES Gesa**

**2)BCHNER Thomas**

(57) Abstract :

Subject of the invention is a method for the production of L-carnitine, comprising the steps of (a) providing a solution comprising at least 5% (w/w) carnitine in a first solvent, wherein the carnitine is a mixture of D- and L-carnitine, (b) optionally seeding the solution with L-carnitine crystals, (c) adding a second solvent, in which the L-carnitine is not soluble or has a low solubility, (d) isolating crystals comprising L-carnitine.

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.930/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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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, A61K 31/40
(31) Priority Document No	:61/245,148
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/050079 :23/09/2010
(87) International Publication No	:WO/2011/038162
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(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 : 230 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.932/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD OF DETECTING THE POSITION, IN A SIGNAL RECEIVED BY A DETECTOR, OF A WAVEFRONT CORRESPONDING TO AN EVENT

(51) International classification	:G01R 31/08	(71) <b>Name of Applicant :</b> <b>1)ALSTOM Technology Ltd.</b> Address of Applicant :Brown Boveri Strasse 7 CH-5400 BADEN Switzerland.
(31) Priority Document No	:0957351	
(32) Priority Date	:20/10/2009	
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/065592	<b>1)LEBRETON Raphaël</b>
Filing Date	:18/10/2010	
(87) International Publication No	:WO/2011/048036	
(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 detecting the position of a waveform reflecting the occurrence of a looked-for event in a time-varying signal received by a detector, wherein: the signal received by the detector is digitized to produce a working signal; the working signal is filtered N4 times with a band-pass filter to obtain N4 filtered working signals with different pass-bands; the N4 filtered working signals are processed by a peak detection method to detect in each signal the position of a first waveform in terms of time of occurrence; N4 points each having an ordinate that is one of the times of occurrence and an abscissa that is the width of the associated band are placed in a system of axes; a search is made for an exponential asymptote that fits a maximum number of the N4 points, the position of the waveform being the ordinate of the point that has the maximum abscissa and is on or virtually on the exponential asymptote.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.993/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DEVICE FOR CLIMATE CONTROL OF GREENHOUSES

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(51) International classification	:A01G 9/24
(31) Priority Document No	:2003671
(32) Priority Date	:19/10/2009
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2010/050691
Filing Date	:19/10/2010
(87) International Publication No	:WO/2011/049440
(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)LEVEL HOLDING B.V.**

Address of Applicant :Panterlaan 20 NL-5691 GD Son Netherlands.

(72)Name of Inventor :

**1)VELTKAMP Wessel Bart**

(57) Abstract :

The invention relates to a device for controlling the climate in a greenhouse, comprising a first heat exchanger with a first series of channels and a second series of channels, greenhouse supply means leading from the greenhouse to the first series of channels, outside supply means leading from outside to the second series of channels, greenhouse discharge means leading from the device to the greenhouse and outside discharge means leading from the device to the outside, wherein the greenhouse discharge means connect to the first series of channels and the outside discharge means connect to the second series of channels. The air is hereby retained in the greenhouse without supply of new air, while the temperature of the air in the greenhouse can be adjusted while maintaining a separation between greenhouse air and outside air. At an outside enthalpy which is lower than that of the greenhouse air drying can also take place through condensation.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1022/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PRESSURE TRANSMITTER WITH PRESSURE SENSOR MOUNT•

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(51) International classification	:G01L 9/00
(31) Priority Document No	:12/571,611
(32) Priority Date	:01/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050815
Filing Date	:30/09/2010
(87) International Publication No	:WO/2011/041481
(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)ROSEMOUNT INC.**

Address of Applicant :12001 Technology Drive Eden Prairie MN 55344 United States of America

(72)Name of Inventor :

**1)ROMO Mark G.**

(57) Abstract :

A pressure transmitter (12) with pressure sensor mount includes pressure measurement circuitry (62). A metal body (100) of the pressure transmitter has a pressure coupling configured to couple to a process pressure P. A pressure sensor (40) is configured to provide an output related to an applied pressure to the pressure measurement circuitry. A conduit (120) is coupled to the pressure sensor (40) and configured to apply an applied pressure corresponding to the process pressure to pressure sensor. A non-conductive spacer (110) is configured to electrically isolate the conduit (120) from the metal body (100). The non-conductive spacer (110) has an opening (112) formed therein and is arranged to convey the applied from the metal body (100) to the conduit (120).

No. of Pages : 17 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2011

(21) Application No.733/MUM/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTACT MECHANISM FOR CIRCUIT BREAKER.

(51) International classification	:H01H 71/10; H01H 50/60	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400 001, Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)SAURABH SAHA</b>
(33) Name of priority country	:NA	<b>2)RUPALI S. PATIL</b>
(86) International Application No	:NA	<b>3)YOGESH N. PATIL</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 :

A Circuit breaker with an improved cam-based contact mechanism is provided which ensures high opening velocity and faster arc-quenching. The circuit breaker includes a fixed contact arm, a contact pressure link having a first cam profile, a moving contact arm having a second cam profile to engage with the first cam profile, a rotor connected to the moving contact arm through a centre pin which defines the locus of the moving contact arm, a contact pressure spring connected between the rotor and the contact pressure link, and an operating mechanism for providing energy to the rotor to achieve rotary motion of contact

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.906/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD APPARATUS AND SYSTEM FOR REDUCING VIBRATION IN A ROTARY SYSTEM OF A WATERCRAFT

(51) International classification	:B63H 21/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09176604.8	<b>1)LARS BERTIL CARNEHAMMAR</b>
(32) Priority Date	:20/11/2009	Address of Applicant :Sonnenbergstrasse 126 CH-8032 Zürich Switzerland
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/067687	<b>1)SEITZ Norbert</b>
Filing Date	:17/11/2010	
(87) International Publication No	:WO/2011/061228	
(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 reducing vibration in a rotary system (120 130 140) of a watercraft for example a cargo ship (100) comprising balancing said rotary system (120 130 140) characterized by providing a rotational element (300 302-306) comprising a chamber (310-312) having a fulcrum on a rotational axis (340) of said rotational element (300 302-306) comprising a circumferential balancing area (320) and being partially filled with an amount of a thixotropic balancing substance (330). A corresponding apparatus and system.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1060/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR PEER DISCOVERY IN A WIRELESS COMMUNICATION NETWORK•

(51) International classification	:H04W 8/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/258,131	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:04/11/2009	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/US2010/055306	United States of America.
Filing Date	:03/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/056878	<b>1)WENTINK Maarten Menzo</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus and methods of peer discovery in a communications network include generating a discovery request configured to identify a Tunneled Direct Link Setup (TDLS) capable peer device, transmitting the discovery request, and determining if a discovery response is received in response to the discovery request. In an aspect, the apparatus and methods may encapsulate the discovery request in a data frame such that the discovery request is transparent to an access point. In other aspects, the apparatus and methods may form the discovery request by appending TDLS capability information to a probe request. Additionally, the apparatus and methods may include determining if a discovery response is received in response to the discovery request. Thus, the apparatus and methods provide a deterministic method of peer discovery, so that a list of potential peers that are TDLS capable can be available before attempting a TDLS direct link setup.

No. of Pages : 61 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.979/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR INHIBITING TAU PROTEIN AGGREGATION AND TREATMENT OF ALZHEIMER™S DISEASE WITH A COMPOUND DERIVED FROM QUINOLINE

(51) International classification	:C07D 215/12
(31) Priority Document No	:12/770,284 (US)
(32) Priority Date	:29/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CL2011/000028
Filing Date	:28/04/2011
(87) International Publication No	:WO/2011/134098
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)UNIVERSIDAD DE CHILE**

Address of Applicant :Av. Libertador Bernardo O<sup>TM</sup>Higgins  
1058 Santiago Chile

(72)**Name of Inventor :**

**1)MACCIONI Ricardo**

**2)NAVARRETE Leonardo**

**3)SAN MARTIN Aurelio**

---

(57) Abstract :

Method for inhibiting tau protein aggregation and treatment of Alzheimers disease, administering a derivative of quinoline having formula (I), where R2 is 2-(4-aminophenyl) or 2-(4-methylphenyl) and R6 is methyl, as inhibitor of tau protein aggregation.

No. of Pages : 69 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1028/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : APPARATUS FOR MANUFACTURING SILICON INGOTS

(51) International classification	:C30B 21/02
(31) Priority Document No	:10-2009-0091632
(32) Priority Date	:28/09/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/006473
Filing Date	:20/09/2010
(87) International Publication No	:WO/2011/037393
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SEMI-MATERIALS CO. LTD.**

Address of Applicant :6Fl. Pangyo Seven Venture Valley 2-danji #1 633 Sampyeong-dong Bundang-gu Seongnam-si Gyeonggi-do 463-400 Republic of Korea.

(72)**Name of Inventor :**

**1)LEE Geun-Tek**

**2)PARK Jong-Hoon**

(57) Abstract :

The present invention relates to an apparatus for manufacturing silicon ingots, comprising: a chamber; a crucible installed in the chamber; a heating unit for heating the crucible; a crucible-mounting unit on which the crucible is placed; and at least two or more water-cooling rod groups arranged below the crucible-mounting unit, wherein said at least two or more water-cooling rod groups are spaced apart from each other about the crucible mounting unit and connected to respective water supply pipes.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2010

(21) Application No.2490/MUM/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : GENERATION OF NON CONVENTIONAL ENERGY BY PLACING PISTON DRIVEN COMPRESSOR MECHANISMS AT THE ROADS TO GATHER COMPRESSION EFFECT OF THE VARIOUS AUTOMOBILE VEHICLES PASSING THROUGH IT TO GENERATE COMPRESSED AIR AND SUBSEQUENTLY BY THE USE OF THIS COMPRESSED AIR ELECTRICITY WILL BE GENERATED WITH THE HELP OF AIR TURBINE MOTOR AND GENERATOR OR THIS COMPRESSED AIR CAN BE USED AS A FUEL OR FOR ANY OTHER APPLICATIONS OF USE

(51) International classification	:F03D9/00; F03D7/00	(71) <b>Name of Applicant :</b> <b>1)SANTOSH ARVIND PRADHAN</b> Address of Applicant : 'ARUNODAYA', PLOT NO.51, PIONEER HOUSING SOCIETY, SWAWALAMBI NAGAR, NAGPUR 440 025 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)SANTOSH ARVIND PRADHAN</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 :

I have placed Piston driven compressed air mechanisms 5 at the bottom side of each RCC Road sleepers 1 to gather compression effect of a RCC road track 1. When ever any Trucks, Buses, Trolleys, Tipplers, Heavy automobile vehicles 2 or any standard height and length vehicles will pass through these Piston driven compressed air mechanisms 5 which is placed beneath the RCC road track 1 i.e. at the bottom side of each RCC road sleepers 1 than due to extra load of Trucks, Buses, Trolleys, Tipplers, Heavy automobile vehicles 2 or any standard height and length vehicles it will give compression effect to Piston driven compressed air mechanisms 5 and due to this compression effect the pistons placed inside the Piston driven compressed air mechanisms 5 will get activated and will start reciprocating action and will give compressed air. I have placed large numbers of Piston driven compressed air mechanisms 5 at the bottom side of each RCC road sleepers 1 to get the huge volume of compressed air. I have placed a common pipe line 12 to be connected through the set of 10 nos. individual galvanized milled steel pipes 8, galvanized tees 10, galvanized bends and non return valve 11. I have also placed non return valves 13 connected to the common pipe line 12 at a center distance or a pitch of 30 meters and I have also placed flow meters 14 connected to the common pipe line 12 at a center distance or a pitch of 500 meters. As the compressed air is passes through each of the galvanized milled steel pipes 8, galvanized tees 10, galvanized bends and non return valves 11 and through main common pipeline 12,1 will get a very big volume of compressed air. This volume of compressed air is being stored in milled steel fabricated tanks 15, FRP fabricated tanks or beneath the earth storage or in caverns. Compressed air generating through this pipelines will be directed to go to the Air turbine motor 16 and after impacting of compressed air on blades of air turbine motor 16 it will start rotating. The shaft of the air turbine motor 16 is being coupled with the shaft of the generator 17 and after impacting of compressed air on blades of the air turbine motor 16 it will start rotating along with the shaft of the generator 17 and after getting the required revolution per minute (RPM) generator 17 will start producing electricity which will be controlled by the control panel 18 and later on send it to the power grid 19 for delivering the electricity to the customers. After impacting of compressed air on blades of air turbine motor 16 the residual compressed air will again be directed to go to the reversal air collection tank 20 and from there it will again go back to the milled steel air storage tank 15 for further application of generating electricity. The electricity generated by the above said procedure will be clean and environmentally friendly also. The location of milled steel fabricated tanks 15, FRP fabricated tanks or storage location of compressed air beneath the earth or in caverns can be decided where ever any body wants to use it for generation of the electricity or for any other application of use also.

No. of Pages : 26 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.980/MUMNP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SYSTEM FOR PREVENTING IDLE BLOW AND ADJUSTING HITTING POWER OF BREAKER

(51) International classification	:E21B 1/26
(31) Priority Document No	:10-2009-0108815 (KR)
(32) Priority Date	:11/11/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/007892
Filing Date	:10/11/2010
(87) International Publication No	:WO/2011/059217
(61) Patent of Addition to Application Number	:NA Filing Date :NA
(62) Divisional to Application Number	:NA Filing Date :NA

(71)Name of Applicant :

**1)SOOSAN HEAVY INDUSTRIES CO. LTD.**

Address of Applicant :#109-2 Songsan-ri Yanggam-myun Hwaseong-si Gyeonggi-do 445-933 Republic of Korea

(72)Name of Inventor :

**1)LEE Il Jae  
2)KIM Kyoung Ho  
3)KANG Young Ky  
4)KIM Myung Bo  
5)KIM Yong Jin**

(57) Abstract :

The present invention relates to a system for preventing an idle blow and adjusting hitting power of a breaker, which can set an idle blow-preventive direction converting unit by rotating the direction converting unit in a desired direction and adjust the hitting power of the breaker that is provided on the outer side of a cylinder of a hydraulic breaker which is a hydraulic hitting apparatus. Thus, the invention is capable of smoothly carrying out strong and weak hitting operations and disabling an idle blow of a hitting rod that is operated by a piston and the cylinder of the breaker through a hitting adjustment valve connected with the direction converting unit.

No. of Pages : 25 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.981/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR POWER SAVING BY COORDINATED WAKE-UP IN A WIRELESS MULTI-BAND NETWORK•

(51) International classification	:H04W 52/02
(31) Priority Document No	:61/244,343
(32) Priority Date	:21/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/006497
Filing Date	:20/09/2010
(87) International Publication No	:WO/2011/034405
(61) 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)SINGH Harkirat**

**2)NGO Chiu**

**3)HSU Ju-Lan**

---

(57) Abstract :

A system and method for wireless communication over multi-rate channels are disclosed. One embodiment of the system operates on wake-up schedules for power saving. The system includes a first multi-band wireless station that is capable of using a first frequency band and a second frequency band for wireless communication; and a second multi-band wireless station that is capable of using the first frequency band and the second frequency band for wireless communication. One or more of the first and second stations is configured to maintain therein one or more wake-up schedules on the second frequency band of one or more of the first station, the second station, and an access point.

No. of Pages : 35 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/09/2010

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

(43) Publication Date : 20/09/2013

(54) Title of the invention : GENERATION OF NON CONVENTIONAL ENERGY BY PLACING HYDRAULIC CYLINDER MECHANISMS AT THE ROADS TO GATHER COMPRESSION EFFECT OF THE VARIOUS AUTOMOBILE VEHICLES PASSING THROUGH IT TO GENERATE PUMPED HYDRAULIC FLUID ENERGY AND SUBSEQUENTLY WITH THE HELP OF PUMPED HYDRAULIC FLUID ENERGY, HYDRAULIC MOTOR AND GENERATOR ELECTRICITY WILL BE GENERATED OR THIS PUMPED HYDRAULIC FLUID ENERGY CAN BE USED AS A FUEL OR FOR ANY OTHER APPLICATIONS OF USE

(51) International classification	:F03D9/00; F03B 13/22; F03D7/00	(71) <b>Name of Applicant :</b> <b>1)SANTOSH ARVIND PRADHAN</b> Address of Applicant : 'ARUNODAYA', PLOT NO.51, PIONEER HOUSING SOCIETY, SWAWALAMBI NAGAR, NAGPUR 440 025, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SANTOSH ARVIND PRADHAN</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 :

I have placed Hydraulic cylinder mechanisms 5 at the bottom side of each RCC Road sleepers 1 to gather compression effect of a RCC road track I. When ever any Trucks, Buses, Trolleys, Tipplers, Heavy automobile vehicles 2 or any standard height and length vehicles will pass through these Hydraulic cylinder mechanisms 5 which is placed beneath the RCC road track 1 i.e. at the bottom side of each RCC road sleepers 1 than due to extra load of Trucks, Buses, Trolleys, Tipplers, Heavy automobile vehicles 2 or any standard height and length vehicles it will give compression effect to Hydraulic cylinder mechanisms 5 and due to this compression effect the cylinders placed inside the Hydraulic cylinder mechanisms 5 will get activated and will start reciprocating action and will give compressed air. I have placed large numbers of Hydraulic cylinder mechanisms 5 at the bottom side of each RCC road sleepers 1 to get the huge volume of compressed air. I have placed a common pipe line 12 to be connected through the set of 10 nos. individual galvanized milled steel pipes 8, galvanized tees 103 galvanized bends and non return valve 11. I have also placed non return valves 13 connected to the common pipe line 12 at a center distance or a pitch of 30 meters and I have also placed flow meters 14 connected to the common pipe line 12 at a center distance or a pitch of 500 meters. As the hydraulic fluid energy is passes through each of the galvanized milled steel pipes 8, galvanized tees 10, galvanized bends and non return valves 11 and through main common pipeline 12, I will get a very big volume of compressed air. This volume of hydraulic fluid energy is being stored in milled steel fabricated tanks 15. FRP fabricated tanks or beneath the earth storage or in caverns. Hydraulic fluid energy generating through this pipelines will be directed to go to the Hydraulic motor 16 and after impacting of hydraulic fluid energy on blades of hydraulic motor 16 it will start rotating. The shaft of the hydraulic motor 16 is being coupled with the shaft of the generator 17 and after impacting of hydraulic fluid energy on blades of the hydraulic motor 16 it will start rotating along with the shaft of the generator 17 and after getting the required revolution per minute (RPM) generator 17 will start producing electricity which will be controlled by the control panel 18 and later on send it to the power grid 19 for delivering the electricity to the customers. After impacting of hydraulic fluid energy on blades of hydraulic motor 16 the residual hydraulic fluid energy will again be directed to go to the reversal air collection tank 20 and from there it will again go back to the milled steel air storage tank 15 for further application of generating electricity. The electricity generated by the above said procedure will be clean and environmentally friendly also. The location of milled steel fabricated tanks 15. FRP fabricated tanks or storage location of hydraulic fluid energy beneath the earth or in caverns can be decided where ever any body wants to use it for generation of the electricity or for any other application of use also.

No. of Pages : 12 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2010

(21) Application No.3330/MUM/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DC CHARGING APPARATUS

(51) International classification	:H02J 7/00	(71)Name of Applicant : <b>1)COOPER CORPORATION PVT. LIMITED</b> Address of Applicant :L-3 ADDL. MIDC POST KODOLI, SATARA-415 001, 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	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Direct Current (DC) charging apparatus is disclosed. The DC charging apparatus includes at least one internal combustion engine, at least two sets of alternators and a driving mechanism. The at least two sets of alternators are arranged in parallel, wherein alternators within the sets are connected in series. The driving mechanism drives the alternators. The driving mechanism includes at least one flywheel, at least one pulley and at least one belt. The at least one flywheel is connected to the at least one engine. The at least one pulley is connected to the at least one flywheel. The at least one belt connects the pulley to the alternators for driving the alternators.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.866/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NOVEL PEPTIDES ISOLATED FROM SPIDER VENOM AND USES THEREOF

(51) International classification	:A61K 38/16
(31) Priority Document No	:61/272,336
(32) Priority Date	:15/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002275
Filing Date	:13/09/2010
(87) International Publication No	:WO/2011/033358
(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)CHERKI Ronit Simcha**

**3)KOLB Ela**

**4)LANGUT Yael**

**5)BAJAYO Nissim**

---

(57) Abstract :

The presently described subject matter relates to isolated spider venom peptides which are used as potent and selective ion channel blockers and to a composition and methods for treatment of pain.

No. of Pages : 120 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.982/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ANNOUNCEMENT TIME OF IDLE TIMEOUT FOR POWER SAVING OPERATIONS IN WIRELESS NETWORKS•

(51) International classification	:H04W 74/04
(31) Priority Document No	:61/244,782
(32) Priority Date	:22/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/006499
Filing Date	:20/09/2010
(87) International Publication No	:WO/2011/037405
(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)HSU Ju-Lan**

**2)NGO Chiu**

**3)SHAO Huai-Rong**

---

(57) Abstract :

A method and system for wireless communication over a wireless communication medium is provided. A schedule is generated which indicates when a wireless communication station may enter a power saving state in an announcement time (AT) period, based on an idle timeout interval in the AT period. The AT period comprises a period after a beacon transmission in a beacon interval.

No. of Pages : 36 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.983/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SPIROPIPERIDINE COMPOUNDS AS ORL-1 RECEPTOR ANTAGONISTS•

(51) International classification	:C07D 495/20
(31) Priority Document No	:09382246.8
(32) Priority Date	:16/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/056180
Filing Date	:10/11/2010
(87) International Publication No	:WO/2011/060035
(61) 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**

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(72)Name of Inventor :

**1)BENITO COLLADO Ana Belen**

**2)DIAZ BUEZO Nuria**

**3)JIMENEZ-AGUADO Alma Maria**

**4)LAFUENTE BLANCO Celia**

**5)MARTINEZ-GRAU Maria Angeles**

**6)PEDREGAL-TERCERO Concepcion**

**7)TOLEDO ESCRIBANO Miguel Angel**

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(57) Abstract :

As ORL-1 receptor antagonist of the formula I, its uses, and methods for its preparation are described. ORL-1 antagonists are deemed to be useful; in the treatment of depression and/or the treatment of overweight, obesity, and/or weight maintenance post treatment for overweight or obesity. Certain compounds have also demonstrated through animal models that the compounds of the present invention are useful for the treatment of migraine.

No. of Pages : 108 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2011

(21) Application No.755/MUM/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN IMPROVED ACTUATION ARRANGEMENT FOR USE IN CIRCUIT BREAKERS

(51) International classification	:H01H 43/00; H01H77/00	(71)Name of Applicant : <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)Name of Inventor :
(32) Priority Date	:NA	<b>1)KHAN Akram;</b>
(33) Name of priority country	:NA	<b>2)LONDHE Rajesh S.;</b>
(86) International Application No Filing Date	: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 is concerned about an improved actuation arrangement for use in circuit breakers having a direct actuation for ready to Close condition . The arrangement comprises a side plate; a micro switch fixed on the side plate where the switch comprises a roller means; a leaver means operatively connected with the roller means , a ratchet arrangement operatively connected with the pawl arrangement , a pawl means substantially placed in-between the lever means and the ratchet means and a spring means placed behind the Pawl and the ratchet arrangement and is rotatably connected to the charging shaft.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2012

(21) Application No.927/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD, KIT, PLASMID AND COMPOSITION FOR INDUCING AN IMMUNE RESPONSE TO DENGUE VIRUS, ON THE BASIS OF DNA AND CHIMERIC VIRUS VACCINES

(51) International classification	:A61K 39/12
(31) Priority Document No	:PI 0904020-0 (BR)
(32) Priority Date	:01/10/2009
(33) Name of priority country	:Brazil
(86) International Application No	:PCT/BR2010/000323
Filing Date	:01/08/2010
(87) International Publication No	:WO/2011/038473
(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)Ada Maria de Barcelos ALVES**

**2)Adriana de Souza AZEVEDO**

**3)Ricardo GALLER**

**4)Marcos da Silva Freire**

---

(57) Abstract :

This invention refers to a method for inducing an immune response against the dengue virus based on DNA and a chimeric virus 17D vaccines in combined or co-administered immunizations. Also included in the scope of the present invention are DNA vaccines against the four dengue virus serotypes from the construction of different recombinant plasmids containing the gene which codifies protein E or only the sequence corresponding to domain III of this protein from each dengue virus serotype (DENV1-4). The invention further provides a vaccine composition consisting of (a) DNA vaccines against the four dengue virus serotypes (b) chimeric viruses comprising the modified yellow fever vaccine virus 17D; and (c) a pharmaceutically acceptable vehicle is included in the protection scope.

No. of Pages : 52 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.984/MUMNP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ANTIMALARIAL AGENTS THAT ARE INHIBITORS OF DIHYDROOROTATE DEHYDROGENASE

(51) International classification	:C07D 487/04	(71)Name of Applicant :
(31) Priority Document No	:61/246,863	1)BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM
(32) Priority Date	:29/09/2009	Address of Applicant :201 WEST 7TH STREET, AUSTIN, TX 78701 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	2)MONASH UNIVERSITY
(86) International Application No	:PCT/US10/050532	3)MEDICINES FOR MALARIA VENTURE
Filing Date	:28/09/2010	4)UNIVERSITY OF WASHINGTON
(87) International Publication No	:WO 2011/041304	5)GLAXOSMITHKLINE INVESTIGACION Y DESARROLLO, S.L.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RATHOD, PRADIPSINH, K.
(62) Divisional to Application Number	:NA	2)FLOYD, DAVID
Filing Date	:NA	3)BURROWS, JEREMY
		4)MARWAHA, ALKA
		5)GUJJAR, RAMESH
		6)COTERON-LOPEZ, JOSE

(57) Abstract :

Inhibitors of parasitic dihydroorotate dehydrogenase enzyme (DHOD) are candidate therapeutics for treating malaria. Illustrative of such therapeutic agents include the compound: and a triazolopyrimidine class of compounds that conform to Formula (IX): and their solvates, stereoisomers, tautomers and pharmaceutically acceptable salts.

No. of Pages : 82 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.994/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ENHANCED DISPLAY

(51) International classification	:G02F 1/1335
(31) Priority Document No	:61/244,912
(32) Priority Date	:23/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001483
Filing Date	:23/09/2010
(87) International Publication No	:WO/2011/035418
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DOBRICH Peter**

Address of Applicant :387 Cyanna Court Lakeshore Ontario N8N 5H1 Canada

(72)Name of Inventor :

**1)DOBRICH Peter**

(57) Abstract :

Security of communications between users involving mobile devices has to date focused to ensuring message integrity, preventing attacks as well as verification / authentication of the user to access the message. At the same time manufacturers of LCD displays for use within electronic devices, particularly mobile devices have focused to extending the viewing angle of these displays, their brightness and contrast. As a result content that has been securely encrypted, delivered, and decrypted is visible to malevolent individuals or organizations around the user when accessing this content. As such secure information, credentials, etc may be divulged without the user being aware. Accordingly the invention acts to limit the external viewing angle of LCD displays allowing reduced breaches of confidential information. Embodiments of the invention can be integrated with the LCD displays during manufacturing, added to the mobile device in assembly or form part of an after-sales option.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1017/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HETEROPHASIC POLYPROPYLENE WITH IMPROVED BALANCE BETWEEN STIFFNESS AND TRANSPARENCY•

(51) International classification	:B29C 45/00, C08F 297/08	(71) <b>Name of Applicant :</b> <b>1)BOREALIS AG</b> Address of Applicant :IZD Tower Wagramerstrasse 17-19 A- 1220 Vienna Austria
(31) Priority Document No	:09015956.7	
(32) Priority Date	:23/12/2009	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/007618	<b>1)DOSHEV Petar</b>
Filing Date	:14/12/2010	<b>2)BALAKANTHA Rao Kona</b>
(87) International Publication No	:WO/2011/076354	<b>3)JAASKELAINEN Pirjo</b>
(61) Patent of Addition to Application Number	:NA	<b>4)MALM Bo</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a heterophasic polypropylene composition with rather high melt flow rate, high stiffness, acceptable impact properties and an advantageous balance between stiffness and transparency. Still further, the present invention is also directed to a process for producing the inventive polypropylene composition, to an article made of the inventive polypropylene composition and to the use of the inventive polypropylene composition for the production of films and moulded articles, such as thin-walled plastic containers for packaging. The inventive heterophasic polypropylene composition comprises at least a propylene homopolymer fraction, a propylene random copolymer fraction, two different ethylene-propylene rubber fractions and an ethylene homo- or copolymer fraction.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.990/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : QUALIFYING COARSE POSITION INJECTION IN POSITION DETERMINATION SYSTEMS•

(51) International classification	:G01S 19/25
(31) Priority Document No	:61/251,629
(32) Priority Date	:14/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052732
Filing Date	:14/10/2010
(87) International Publication No	:WO/2011/047193
(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)FARMER Dominic Gerard**

**3)BHATIA Ashok**

**4)GUM Arnold Jason**

---

(57) Abstract :

A position determining system (PDS) receiver gathers independent location information from multiple sources. These multiple pieces of location information are analyzed to determine consistency of location. If the location is consistent among the various independently gathered location information, then the location information is injected into the PDS positioning process for more efficient acquisition and positioning. Otherwise, if inconsistency is found, then no location information is injected into the PDS positioning process.

No. of Pages : 32 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.991/MUMNP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : 5-HYDROXYPYRIMIDINE-4-CARBOXAMIDE DERIVATIVE•

(51) International classification	:C07D 401/06
(31) Priority Document No	:2009-242884
(32) Priority Date	:21/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/068476
Filing Date	:20/10/2010
(87) International Publication No	:WO/2011/049126
(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)Takeshi KURIBAYASHI

2)Hideki KUBOTA

3)Naoki TANAKA

4)Takeshi FUKUDA

5)Takashi TSUJI

6)Riki GOTO

(57) Abstract :

The present invention provides a compound which enhances the production of erythropoietin. The present invention provides a compound represented by formula (1): [wherein, R4 and R5: H, halogen, or alkyl; R6: H, halogen, alkyl, or the like; R7: substitutable hydroxyalkyl, substitutable hydroxyhalo alkyl, substitutable alkoxyalkyl, or the like; substituent group a: oxo, hydroxy, amino, or the like; ring Q1: a monocyclic heterocyclic group; ring Q2: a monocyclic hydrocarbon ring group, or a monocyclic heterocyclic group; ring Q3: a monocyclic hydrocarbon ring group, or a monocyclic heterocyclic group; X: a single bond, methylene, ethylene, or the like]; R2: alkyl, or methylsulfanyl; and R3: H, or methyl], or the like.

No. of Pages : 185 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2012

(21) Application No.1057/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR ANALYSING THE QUALITY OF A GLAZING UNIT•

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(51) International classification	:G01N 21/958
(31) Priority Document No	:0957398
(32) Priority Date	:21/10/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/052185
Filing Date	:15/10/2010
(87) International Publication No	:WO/2011/048306
(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)LE MOAL Simon

2)PAYEN Corinne

(57) Abstract :

The method for analyzing the quality of a glazing unit as claimed in the invention comprises: - a step of generating a digital image of a test chart ( 4 ) produced in reflection by the outer surface of the glazing (2) the test chart (4) presenting a pattern composed of a plurality of contrasted elements (12) defining between them interface lines (13); - a step of calculating the quantities representative of the glazing (2) from the image generated the calculation being carried out by a processing unit (8); And - a step of comparing the calculated values for the representative values relative to reference values. The representative quantities are representative of a deformation of the image of the test chart produced in reflection by the outer surface of the glazing (2).

No. of Pages : 39 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.874/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MOLD AND PRODUCTION METHOD FOR SAME AND ANTI-REFLECTION FILM•

(51) International classification	:C25D 11/12
(31) Priority Document No	:2009-235746
(32) Priority Date	:09/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/067753
Filing Date	:08/10/2010
(87) International Publication No	:WO/2011/043464
(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)Akinobu ISURUGI**

**2)Kiyoshi MINOURA**

**3)Takao IMAOKU**

---

(57) Abstract :

A moth-eye mold fabrication method of the present invention includes the steps of: (a) anodizing a surface (18s) of an aluminium film (18) to form a porous alumina layer (14) which has a plurality of minute recessed portions (14p); (b) after step (a) bringing the porous alumina layer into contact with an etching solution thereby enlarging the plurality of minute recessed portions of the porous alumina layer; and (c) after step (b) further anodizing the surface to grow the plurality of minute recessed portions wherein a voltage applied in step (c) is higher than a voltage applied in step (a). According to the present invention a mold fabrication method is provided which is capable of preventing formation of a plurality of tiny pores in one micropore.

No. of Pages : 98 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.996/MUMNP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHODS AND APPARATUSES FOR SELECTIVELY VALIDATING SATELLITE POSITIONING SYSTEM MEASUREMENT INFORMATION•

(51) International classification	:G01S 19/20
(31) Priority Document No	:12/577,655
(32) Priority Date	:12/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052065
Filing Date	:08/10/2010
(87) International Publication No	:WO/2011/046839
(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)RILEY Wyatt Thomas**

**2)LIU Quanwei**

---

(57) Abstract :

Methods and apparatuses are provided that may be implemented in various electronic devices to identify suspect measurements for use in a position/velocity/time estimation filter and provide corresponding validated measurements that may be either operatively re-weighted in some manner or operatively one-sided isolated in some manner when subsequently considered by the position/velocity/time estimation filter.

No. of Pages : 55 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/03/2011

(21) Application No.763/MUM/2011 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : MUFFLING CYLINDER HEAD

(51) International classification	:F04B 39/00; F04B39/12	(71)Name of Applicant : <b>1)Videocon Industries Ltd (Compressor Division)</b> Address of Applicant :14 Kms.stone Village Chitegaon Ta.Paithan Dist.Aurangabad Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)Mr.NITIN M SHEWALE</b>
(33) Name of priority country	:NA	<b>2)MR.DATTU KUMAR GAJADA</b>
(86) International Application No Filing Date	: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 embodiment herein provides an integrated muffling cylinder head used in refrigerator™s compressor unit for reducing noise and vibration in the compression unit. The integrated muffling cylinder head comprises of plurality discharge chambers, a suction muffler holding stream and a refrigerant pathway. Further, the integrated muffling cylinder head enables to remove one of the external discharge mufflers, thereby reducing overall cost of compressor unit. Further, the defined regulated refrigerant pathway provided in the cylinder head is placed in between the discharge chambers. A method for reducing noise and vibration in the compression unit by using the integrated muffling cylinder head is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2012

(21) Application No.1001/MUMNP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : WASTE WATER TREATMENT SYSTEMS AND METHODS•

(51) International classification	:C02F 1/72
(31) Priority Document No	:61/244,840
(32) Priority Date	:22/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049881
Filing Date	:22/09/2010
(87) International Publication No	:WO/2011/038039
(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)ANUE WATER TECHNOLOGIES INC.**

Address of Applicant :5621 Palmer Way Suite A Carlsbad CA 92010 United States of America

(72)**Name of Inventor :**

**1)HATTEN Paul**

(57) Abstract :

Systems, apparatus and methods are described that control and manage wastewater collection and treatment. One or more sensors monitor and measure levels of contaminants, other chemicals and or environmental conditions in a well of a collection station and/or in inflow and/or outflow mains. An additive that can include one or more of ozone, oxygen, a bioagent, bleach, peroxide and other chemicals, and selected to treat chemicals and/or contaminants in wastewater, can be mixed with waste water in the well and the main. A dispersion assembly deployed within the collection station is adapted to mix and spray the waste water and additive onto a wall of the well or surface of a body of wastewater in the well. A processor configured to control the rate at which the additive is provided to the dispersion assembly or force main based on measurements of contaminants received from the first and second sensors.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.1053/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SHOCK ENERGY ABSORBER

(51) International classification	:F16F 9/30
(31) Priority Document No	:61/281,314
(32) Priority Date	:16/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002793
Filing Date	:19/10/2010
(87) International Publication No	:WO/2011/059471
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FOSTER-MILLER INC.**

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(72)Name of Inventor :

**1)PARIDA Basant K.**

**2)HARRIGAN Timothy**

**3)CARTER James**

**4)DANA Norman**

**5)SAMAVEDAM Gopal**

---

(57) Abstract :

A shock energy absorber includes, in one example, a cylinder having a closed end and an open end, a sleeve fixed about the open end of the cylinder, and a damping material in the form of an ultra high molecular weight polyethylene material in the cylinder. A plunger is positioned to be driven into the damping material via the sleeve. When the plunger is impacted and driven into the damping material, the damping material changes from a solid to a viscous fluid state thereby enabling absorption of a significant amount of energy.

No. of Pages : 31 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.1055/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STREAMING ENCODED VIDEO DATA•

(51) International classification	:H04N 7/24
(31) Priority Document No	:61/255,767
(32) Priority Date	:28/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054334
Filing Date	:27/10/2010
(87) International Publication No	:WO/2011/053658
(61) 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)CHEN Ying**

**2)KARCZEWICZ Marta**

(57) Abstract :

A source device may signal characteristics of a media presentation description (MPD) file such that a destination device may select one of a number of presentations corresponding to the MPD file and retrieve one or more video files of the selected presentation. In one example, an apparatus for transporting encoded video data includes a management unit configured to receive encoded video data comprising a number of video segments and forms a presentation comprising a number of video files, each of the video files corresponding to a respective one of the video segments, and a network interface configured to, in response to a request specifying a temporal section of the video data, output at least one of the video files corresponding to the number of video segments of the requested temporal section. A client may request temporally sequential fragments from different ones of the presentations.

No. of Pages : 53 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2012

(21) Application No.1052/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR IDENTIFICATION OF POINTS OF INTEREST WITHIN A PREDEFINED AREA•

(51) International classification	:G06Q 30/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/250,862	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:12/10/2009	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/US2010/052386	United States of America
Filing Date	:12/10/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/046971	<b>1)GUPTA Rajarshi</b>
(61) Patent of Addition to Application Number	:NA	<b>2)JEONG Min-Wook</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The subject matter disclosed herein relates to a system and method for identification of points of interest within a predefined area. Location estimates for substantially stationary mobile devices may be utilized to determine locations of one or more points of interest. Location estimates for mobile devices in motion may be utilized to determine locations of one or more corridors.

No. of Pages : 72 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.707/MUM/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ESTIMATING DATABASE QUERY COST AND PREDICTING QUERY ELAPSED TIME

(51) International classification	:G06F3/00	(71) <b>Name of Applicant :</b> <b>1)Tata Consultancy Services Limited</b> Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai 400021 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)Rekha Singhal</b>
(87) International Publication No	: NA	<b>2)Manoj Nambiar</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 system and method for predicting elapsed response time for one or more database queries with respect to a relational database in an application development environment. The invention provides a cost estimation module configured to determine query execution cost for one or more relational database. An identification module identifies database statistics from a development database which are extrapolated by a calculation means for emulating a production database. A prediction module further predicts the query elapsed response time for the development and production database at the application development stage by using the emulated database.

No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2012

(21) Application No.884/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR CONTINUOUSLY DETECTING THE PRESENCE OF VEHICLES WITH AN OPTICAL SENSOR AND A MAGNETIC SENSOR

(51) International classification	:G01V 11/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P200901970	<b>1)UNIVERSITAT POLIT`CNICA DE CATALUNYA</b>
(32) Priority Date	:28/09/2009	Address of Applicant :Jordi Girona 31 08034-Barcelona Spain.
(33) Name of priority country	:Spain	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/ES2010/000364	<b>1)PALLS ARENY Ramon</b>
Filing Date	:31/08/2010	<b>2)CASAS PIEDRAFITA Jaime Oscar</b>
(87) International Publication No	:WO/2011/036313	<b>3)SIFUENTES DE LA HOYA Ernesto</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 and an apparatus for the continuous non-intermittent detection of vehicles which is based on the detection of the sudden change in illumination produced on the ground underneath the vehicle when the latter arrives or departs and in the use of said detection for activating a magnetic sensor the sensitivity of which is adjusted to detect only those magnetic anomalies that are sufficiently great to be able to be attributed to a vehicle that is over the sensor. Not only the illumination sensor but also the magnetic sensor are connected directly to a digital controller without the need for active electronic components of a dedicated or shared power supply source. The detector may be stationary or portable wireless or connected by means of cables and may operate independently or as part of a network of sensors.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/04/2012

(21) Application No.943/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR PRODUCING SURFACE-TREATED STEEL SHEET

(51) International classification	:C25D 5/26
(31) Priority Document No	:2009-253360 (JP)
(32) Priority Date	:04/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005800
Filing Date	:27/09/2010
(87) International Publication No	:WO/2011/055481
(61) 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 KOHAN CO. LTD.

Address of Applicant :2-12 Yonban-cho Chiyoda-ku Tokyo  
102-8447 Japan

(72)Name of Inventor :

1)MATSUBARA Masanobu

(57) Abstract :

Provided is a method for producing a surface-treated steel sheet which is used in a resin-coated steel sheet and which has excellent processed adhesiveness when worked by rigorous molding. The method for producing a surface-treated steel sheet involves adjusting the Sn concentration in a tin sulfate plating bath containing sulfuric acid and tin sulfate to within a range of 30 to 120 g/L, the tin sulfate plating bath temperature to within a range of 20°C to 60°C, and the current density in the tin sulfate plating to within a range of 2 to 50 A/dm<sup>2</sup>, and also involves coating the steel sheet surface with metallic tin in such a way that the percentage of the steel sheet surface covered by tin is 5% to 95% and some of the iron at the steel sheet surface is exposed.

No. of Pages : 47 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/03/2011

(21) Application No.669/MUM/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR MONITORING GREEN HOUSE GAS RELATED DATA OF AN ENTITY

(51) International classification	:G06Q10/06; G06Q10/00	(71) <b>Name of Applicant :</b> <b>1)THERMAX SUSTAINABLE ENERGY SOLUTIONS LTD.</b> Address of Applicant :14, THERMAX HOUSE, MUMBAI-PUNE ROAD, WAKDEWADI, PUNE 411 003, 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)MADIWALE RAJESH R.</b>
(62) Divisional to Application Number	:NA	<b>2)MHETRE AMIT</b>
Filing Date	:NA	<b>3)KHINDRI ROHIT</b>
		<b>4)VIJAYVARGIYA SANDIP</b>

(57) Abstract :

A computer aided system for monitoring green house gas (GHG) related data of an entity comprising movable and non-movable equipment is envisaged, wherein this system mainly comprises a first repository to store green house gas related parameters and rules governing these parameters; a sensing subsystem comprising a plurality of sensors coupled to each of the equipment, and continuously sense these parameters and generate corresponding signals; first transmission means to transmit the signals corresponding to these parameters over a first communication network; a second repository to store these signals as records; a green house gas prognostic and diagnostic subsystem to perform prognosis and diagnosis, and generate notifications and solutions; and a reporting subsystem for generating reports.

No. of Pages : 46 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2011

(21) Application No.783/MUM/2011 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STRATEGIC STAFFING

(51) International classification	:G06Q10/00	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI-400021, 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 :

Described herein are methods and systems of strategic staffing in an organization. In one implementation, the computer implemented method of strategic staffing comprises the steps of determining a current competency index of an employee based on employee details data (218), computing a required competency index for each role in a new or existing project and ascertaining the deviation between the current competency index of the employee and the required competency index a role in the new or existing project.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2012

(21) Application No.1021/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR PRODUCING RESIN-COATED METAL PLATE

(51) International classification	:C23C 28/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/005347
Filing Date	:14/10/2009
(87) International Publication No	:WO/2011/045833
(61) 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 KOHAN CO. LTD.**

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102-8447 Japan

(72)Name of Inventor :

**1)MATSUBARA Masanobu**

**2)TAYA Shinichi**

**3)KAI Masahiro**

**4)KUROKAKWA Wataru**

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(57) Abstract :

A method for producing a resin-coated metal plate which exhibits excellent film adhesion during processing even in tough forming processes. The method comprises: a step of forming a tin plating layer on at least one side of a metal plate; a step of applying a silane coupling agent onto the tin plating layer; a step of forming a resin layer on the silane coupling agent coating layer; and a step of heating the metal plate, thereby melting the surface of the resin layer being in contact with the silane coupling agent. The method also comprises a step of heating at least the interface region between the tin plating layer and the silane coupling agent coating layer, the silane coupling agent coating layer and the interface region between the silane coupling agent coating layer and the resin layer to a temperature within the range from (the melting point of the resin) - 10°C to (the melting point of the resin) + 100°C.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2818/MUM/2010 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : CUP HOLDER INTEGRATED WITH HEATING SYSTEM IN A MOTOR VEHICLE

(51) International classification	:B60N3/10; B60H1/20	(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)ALOK KUMAR RAY</b>
(87) International Publication No	:N/A	<b>2)KARIMUDDIN KHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)R. VINAYAKRAM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Invention relates to a cup holder/heater plate integrated with heating system in a motor vehicle using exhaust gas heat for heating food /drink items. The heating system comprises a cup holder/heater plate provided in the console of the vehicle with a heater coil tube at bottom of said cup holder/heater plate. A fluid reservoir having inlet connected to the one end of the said heater coil to receive cold fluid and outlet of the said reservoir connected to the first inlet of a circulating pump for pumping cold fluid through first outlet of the said pump to one end of heating coil tube /heat exchanger around the exhaust manifold with other end of the said heating coil/heater plate coil connected to the second inlet of the said pump for circulation of heated fluid through the second outlet of the said pump to the said heater coil tube. The said pump having controlling means for pumping in such way that fluid from reservoir pumped for heating and after heating heated fluid is pumped to heater coil tube till heater service and thereafter cold fluid pumped back to reservoir.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.1030/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NOVEL SPIROPIPERIDINE COMPOUNDS•

(51) International classification	:C07D 405/06, A61K 31/438	(71) <b>Name of Applicant :</b> <b>1)ELI LILLY AND COMPANY</b> Address of Applicant :Lilly Corporate Center City of Indianapolis State of Indiana United States of America
(31) Priority Document No	:61/265,181	
(32) Priority Date	:30/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/057359	(72) <b>Name of Inventor :</b>
Filing Date	:19/11/2010	<b>1)HAMDOUCHI Chafiq</b>
(87) International Publication No	:WO/2011/066183	<b>2)LINESWALA Jayana Pankaj</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MAITI Pranab</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A compound of the formula: or a pharmaceutically acceptable salt thereof as well as a pharmaceutical composition, and a method for treating diabetes.

No. of Pages : 47 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/04/2012

(21) Application No.1032/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LIPID LAYER FORMING COMPOSITION FOR ADMINISTRATION ONTO A SURFACE OF A LIVING ORGANISM.

(51) International classification	:A61K 47/44,A61K 9/08	(71) <b>Name of Applicant :</b> <b>1)LIPIDOR AB</b> Address of Applicant :BRUNBARSVAGEN 2, S-114 21 STOCKHOLM, SWEDEN.
(31) Priority Document No	:0901409-3	(72) <b>Name of Inventor :</b>
(32) Priority Date	:03/11/2009	<b>1)CARLSSON, ANDERS</b>
(33) Name of priority country	:Sweden	<b>2)HOLMBACK, JAN</b>
(86) International Application No	:PCT/SE2010/000268	
Filing Date	:03/11/2010	
(87) International Publication No	:WO 2011/056115	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lipid layer forming composition comprises a volatile silicone oil of a boiling point above 180°C, a polar lipid, optionally a C2 - C4 aliphatic alcohol, optionally a pharmacologically or cosmetically active agent or a protective agent. The lipid layer forming composition can be applied to a biological surface by spraying, dipping or brushing to form a stable polar lipid layer on the surface.

No. of Pages : 35 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.987/MUMNP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CONTENT BOUNDARY SIGNALING TECHNIQUES•

(51) International classification	:G06F 3/048
(31) Priority Document No	:12/580,956
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051280
Filing Date	:04/10/2010
(87) International Publication No	:WO/2011/046766
(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  
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United States of America

(72)**Name of Inventor :**

**1)WILSON Diego A.**

**2)ROGERS Sean S.**

**3)NIELSEN Per O.**

(57) Abstract :

Methods and devices provide a user interface that provides visual cues when a document pan or scroll has reached an end or boundary by distorting the document image in response to further user inputs. The image distortion functionality may include shrinking, stretching, accordion expansion, or bouncing of a document image. The degree of image distortion may be proportional to the distance that a user input would have the document move beyond the encountered boundary. When a boundary of a document image is reached during a rapid pan or scroll, a bouncing image distortion may be applied to the document image to inform the user that the document reached a boundary during the movement.

No. of Pages : 43 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.1005/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : TRANSACTION RECOVERY IN REMOVABLE MEMORY DEVICES

(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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Address of Applicant :Bagmane Lakeview Block B No. 66/1  
Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-  
560093 Tamil Nadu India

(72)Name of Inventor :

**1)Bhavith Manathanathu Pushakara**

(57) Abstract :

A method for atomic transaction recovery in removable memory devices during error conditions is disclosed. The removable memory device employs a log area and a recovery module. During a file system transaction involving a removable memory device Host device initiates a transaction operation by sending the transaction information. On the removable memory device received transaction information is stored in a log file on a non volatile memory module. In an event of error condition before the changes are reflected to media the updates are already stored on the log and hence the memory device recovers the transaction from the log area. The transaction is then either completed or rolled back. The removable memory may also recover transaction information represented in the form of metadata sector and this information may be logged. During recovery the removable memory remaps the log sector with the actual metadata sector.

No. of Pages : 45 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2008

(21) Application No.3634/CHENP/2008 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR CREATING AND APPLYING DYNAMIC MEDIA SPECIFICATION CREATOR AND APPLICATOR

(51) International classification	:H04N7/173	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:60/758,664	<b>1)Yahoo! Inc.</b>
(32) Priority Date	:13/01/2006	Address of Applicant :#701 First Avenue Sunnyvale
(33) Name of priority country	:U.S.A.	California United States of America
(86) International Application No	:PCT/US2007/060528	(72) <b>Name of Inventor :</b>
Filing Date	:12/01/2007	<b>1)Michael George Folgner</b>
(87) International Publication No	: NA	<b>2)Ryan Brice Cunningham</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method comprising: receiving a request to generate a video asset, the video asset identifying a starting frame and an ending frame in a keyframe master asset; generating a first portion of the video asset, the first portion containing one or more keyframes associated with the starting frame, the keyframes obtained from the keyframe master asset; and generating a second portion of the video asset, the second portion containing sets of the keyframes and optimized frames, the optimized frames obtained from an optimized master asset associated with the keyframe master asset.

No. of Pages : 42 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2008

(21) Application No.3635/CHENP/2008 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR COMBINING EDIT INFORMATION WITH MEDIA CONTENT

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(51) International classification	:H04N5/95
(31) Priority Document No	:60/758,664
(32) Priority Date	:13/01/2006
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2007/060531
Filing Date	:12/01/2007
(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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(71)Name of Applicant :

1)Yahoo! Inc

Address of Applicant :#701 First Avenue Sunnyvale California U.S.A.

(72)Name of Inventor :

1)Michael George Folgner

2)Ryan Brice Cunningham

(57) Abstract :

A method for identifying edit information of a media asset comprising: editing a low resolution media asset, the low resolution media asset containing at least a first portion corresponding to a first high-resolution master media asset and a second portion corresponding to a second high-resolution master media asset; receiving a request to generate a high-resolution edited media asset, the request identifying the first high-resolution master media asset and the second high-resolution master media asset; generating the high-resolution edited media asset; and associating with the high-resolution edited media asset edit information that identifies the first high-resolution master media asset and the second high-resolution master media asset.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/12/2010

(21) Application No.4035/CHE/2010 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN AUTOMATED ENERGY MANAGEMENT SYSTEM AND A METHOD THEREOF

(51) International classification	:G06Q
(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 :No. 58 First Main Road J.P Nagar 3rd Phase Bangalore 560 078 Karnataka India

(72)Name of Inventor :

**1)Ashvin Lakshmikantha**

**2)Amit Agarwal**

**3)Yoganand Parthasarathy**

**4)Raj Alur**

(57) Abstract :

The present invention relates to an automated energy management method and system for a telecommunication site. In one embodiment this is accomplished by obtaining information of benefit and cost parameters associated with the plurality of source and sink available at the site, obtaining the site parameters including shelter temperature, battery voltage, load current lighting, air conditioners, base transceiver etc, optimizing the cost and benefit in order to identify the right sources and the sinks in the site, so that the power drawn from the sources that are most economical and fed to sinks which offer the highest benefits and driving the source and sink accordingly in the site, automatically.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2012

(21) Application No.1077/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHODS FOR MANAGING DATA INTAKE AND DEVICES THEREOF

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:13/422,910	<b>1)INFOSYS LIMITED</b>
(32) Priority Date	:16/03/2012	Address of Applicant :IP CELL, PLOT NO 44, ELECTRONICS CITY, HOSUR ROAD, BANGALORE, 560 100 Karnataka India
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ASHA UDAY PATKI</b>
Filing Date	:NA	<b>2)RAJAN PADAMANABHAN</b>
(87) International Publication No	: NA	<b>3)GIRISH SHANTARAMA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method, non-transitory computer readable medium, and apparatus that defines one or more of initial validation rules, one or more source to target mapping instructions, one or more data filtering rules one or more data validation rules, one or more data transformation rules, and one or more file definition rules. The one or more initial validations are performed on one or more source files based on the one or more of initial validation rules. The initially validated source files are mapped into a staging database based on the one or more source to target mapping instructions. The one or more data filtering rules are applied to the mapped source files in the staging database. Validation and transformation are performed on each of the successfully filtered source files based on the one or more data validation rules and the one or more data transformation rules. Each of the successfully validated and transformed source files are loaded into a core database. One or more load ready files are generated from the validated, transformed and loaded source files based on the one or more target file generation filtering rules.

No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4543/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HOLLOW SHAFT AND CONSTANT VELOCITY UNIVERSAL JOINT

(51) International classification	:F16C3/02
(31) Priority Document No	:2009-249017
(32) Priority Date	:29/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/067229
Filing Date	:01/10/2010
(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)NTN Corporation**

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Osaka-shi Osaka 550-0003 Japan

**(72)Name of Inventor :**

**1)YOSHIDA Kazuhiko**

**2)MUKAI Hiroki**

**3)OOBA Hirokazu**

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**(57) Abstract :**

Provided are a hollow shaft capable of increasing a static torsional strength and torsional fatigue strength of a small diameter portion (small diameter portion having a smooth outer peripheral surface) formed near a spline at an end portion of the hollow shaft and capable of reducing cost and a constant velocity universal joint using the hollow shaft. A hollow shaft (1) is molded by plastic working from a tubular blank and subjected to quench hardening treatment. The quench hardening treatment includes carburizing and quenching treatment. The hollow shaft (1) includes a softened section (M) formed in a part of the hollow shaft (1) by local heating treatment after carrying out the carburizing and quenching treatment.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4544/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MICROFLUIDIC DEVICE FOR BLOOD DIALYSIS

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(51) International classification	:B01D61/28
(31) Priority Document No	:61/256,093
(32) Priority Date	:29/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054602
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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**2)THE GENERAL HOSPITAL CORPORATION**

(72)**Name of Inventor :**

**1)CHAREST Joseph L.**

**2)BORENSTEIN Jeffrey T.**

**3)ARNAOUT M. Amin**

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(57) Abstract :

The invention provides microfluidic devices and methods of using such devices for filtering solutions such as blood.

No. of Pages : 34 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4545/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : NOVEL GLASS COMPOSITIONS AND METHOD FOR PRODUCING A GLASS/METAL JOIN

(51) International classification	:C03C3/091
(31) Priority Document No	:P200902057
(32) Priority Date	:28/10/2009
(33) Name of priority country	:Spain
(86) International Application No	:PCT/ES2010/000355
Filing Date	:12/08/2010
(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)ABENGOA SOLAR NEW TECHNOLOGIES S.A.

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(72)Name of Inventor :

1)MART• NEZ SANZ Noelia  
2)OTEO MAZO Jos Luis  
3)RUBIO ALONSO Juan  
4)RUBIO ALONSO Fausto  
5)MAZO FERNNDEZ Alejandra

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(57) Abstract :

Novel glass compositions and method for producing a glass/metal join in which necessary requirements highlighting owing to the significance thereof the thermal expansion coefficient such that said thermal expansion coefficient is adjusted to match that of the metallic be achieved which makes it possible to satisfactorily produce said weld which results in a strong glass/metal join that is free from tensile stresses and that is durable over time and may be used inter alia to obtain parts that form part of solar collectors.

No. of Pages : 10 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4546/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : EXTRUSION COATING COMPOSITION

(51) International classification	:C08L23/08
(31) Priority Document No	:12/608,647
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058114
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 :

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Address of Applicant :2040 Dow Center Midland Michigan  
48674 U.S.A.

(72)Name of Inventor :

**1)OSWALD Thomas**

**2)KONZE Wayde V.**

**3)DEMIRORS Mehmet**

(57) Abstract :

Multimodal polyethylene compositions are provided. Extrusion compositions including the multimodal polyethylene are provided. The extrusion composition further include a high pressure low density polyethylene and optionally other additives and/or polyethylenes. Extruded articles made from the polyethylene extrusion compositions are also provided.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4583/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MEASUREMENT METHOD OF DEGRADATION/ALTERATION DEGREE OF LUBRICANT OIL AND MEASUREMENT DEVICE THEREOF

(51) International classification	:G01N27/22	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-268119	<b>1)Idemitsu Kosan Co. Ltd.</b>
(32) Priority Date	:25/11/2009	Address of Applicant :1-1 Marunouchi 3-chome Chiyoda-ku
(33) Name of priority country	:Japan	Tokyo 100-8321 Japan
(86) International Application No	:PCT/JP2010/070842	(72) <b>Name of Inventor :</b>
Filing Date	:22/11/2010	<b>1)KATAFUCHI Tadashi</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 :

Provided is a method of measuring a degree of degradation/alteration of a lubricating oil including obtaining dielectric constants or electrostatic capacitances at two or more different frequencies and determining a degradation/alteration state of the lubricating oil based on values of the dielectric constants or the electrostatic capacitances in which one frequency (H1) of the two or more frequencies is in a range of 1 to 100 Hz and another frequency (H2) is more than the frequency (H1) and in a range of 10 000 Hz or less. Accordingly it is possible to provide a method of measuring a degree of degradation/alteration of a lubricating oil and a measuring device therefore which are capable of measuring a degree of degradation of the lubricating oil easily and precisely and predicting a degradation/alteration mechanism of the lubricating oil.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4584/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MEASURING METHOD FOR DEGREE OF DEGRADATION OF LUBRICATING OIL AND MEASURING DEVICE THEREFOR AS WELL AS LUBRICATING OIL MONITORING SYSTEM IN MACHINE AND DEVICE

(51) International classification	:G01N27/00
(31) Priority Document No	:2009-268117
(32) Priority Date	:25/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070841
Filing Date	:22/11/2010
(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)Idemitsu Kosan Co. Ltd.**

Address of Applicant :1-1 Marunouchi 3-chome Chiyoda-ku Tokyo 100-8321 Japan

(72)Name of Inventor :

**1)KATAFUCHI Tadashi**

(57) Abstract :

Provided are a measuring method for the degree of degradation of lubricating oil and a measuring device therefore such that (a) acidity is measured using a hydrogen ion-induced type ISFET and (b) dielectric constants or capacitances at two or more frequencies are obtained that the degradation state of the lubricating oil is assessed on the basis of the aforementioned acidity and the aforementioned dielectric constants or capacitances that thereby the degree of degradation of the lubricating oil can be easily and accurately measured and that the mechanism of the aforementioned degradation can be predicted.

No. of Pages : 40 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4585/CHENP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD FOR DETERMINING THE DIELECTRIC PERMITTIVITY OF A DIELECTRIC OBJECT

(51) International classification	:G01N22/00
(31) Priority Document No	:2009145423
(32) Priority Date	:26/11/2009
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2010/000724
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)APPLIED PHYSICS SCIENCE AND TECHNOLOGY CENTER COMPANY WITH LIMITED RESPONSIBILITY**

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(72)Name of Inventor :

**1)KUZNETSOV Andrey Viktorovich**

**2)GORSHKOV Igor Yurievich**

**3)AVERYANOV Valery Petrovich**

(57) Abstract :

The invention relates to the field of electrical engineering and, more specifically, to the remote measurement of the dielectric permittivity of dielectrics. In order to determine the dielectric permittivity of a dielectric object against the background of a reflector, the dielectric object is irradiated with coherent microwave radiation at N frequencies to produce a three dimensional microwave image of the dielectric object and the reflector, and two or more video cameras, synchronized with the microwave radiation source are used to produce a video image. The obtained video image is converted into digital form and a three dimensional video image of a given region is constructed. The three dimensional video image and the microwave image are converted into a general system of coordinates. The distance Z1 between the microwave radiation source and the reflector that is free of the dielectric object, and the distance Z2 between the microwave radiation source and the section of the microwave image of the reflector in the region of the dielectric object are calculated. On the basis of the video image, the distance Z3 between the microwave radiation source and the video image of the dielectric object is determined in the general system of coordinates. The dielectric permittivity of the dielectric object is then determined from the relationship: (I). The invention makes it possible to remotely determine the dielectric permittivity of a moving, irregularly-shaped dielectric object.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4586/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : VEHICLE DOOR REINFORCING BEAM

(51) International classification	:B60J5/04
(31) Priority Document No	:61/264,348
(32) Priority Date	:25/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/007137
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)MAGNA AUTOMOTIVE SERVICES GMBH

Address of Applicant :Kurfürst-Eppstein-Ring 5 63877  
Sailauf Germany

(72)Name of Inventor :

1)RAKEI Frank

(57) Abstract :

A structural door beam for vehicles and a method for making the same is provided. The structural door beam has an elongate multiple channel structure defined by a central web of given thickness and known material composition with end mounting-flanges integrally formed therewith. The elongate multiple channel structure comprises two outer channels separated one from the other in a lateral direction and a third channel disposed between the two outer channels. The third channel defines a trough within the medial region between the two outer channels. A first one of the two outer channels is drawn to a peak of known height and the trough is drawn to a known depth such that the trough to peak distance exceeds a maximum distance that is achievable in a single cold forming operation for the given thickness and material composition of the web.

No. of Pages : 26 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4625/CHENP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SUPPORTING SUB-PHYSIOLOGIC AND PHYSIOLOGIC TIDAL VOLUMES IN SPONTANEOUS OR NON- SPONTANEOUS BREATHING DURING HIGH FREQUENCY VENTILATION

(51) International classification	:A61M16/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/286451	<b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
(32) Priority Date	:15/12/2009	Address of Applicant :GROENEWOUDSEWEG 1
(33) Name of priority country	:U.S.A.	EINDHOVEN 5621 BA NETHERLANDS
(86) International Application No	:PCT/IB2010/055537	(72) <b>Name of Inventor :</b>
Filing Date	:01/12/2010	<b>1)KIMM Gardner</b>
(87) International Publication No	: NA	<b>2)GARDE Smita</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ARCILLA Mabini</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of providing high frequency ventilation to a patient, comprises delivering a flow of breathing gas to the patient, the flow of breathing gas having a first positive pressure level and a second positive pressure level, the first and second positive pressure levels alternating with one another in a plurality of cycles in the flow of breathing gas to have a frequency and an amplitude, the flow of breathing gas to the patient generating a mean airway pressure; determining whether the patient is breathing spontaneously or is trying to breath spontaneously; and, in response to the determination that the patient is breathing spontaneously or trying to breath spontaneously or according to the user settings for HFV and user intervention for non-spontaneous breathing patient, adjusting the mean airway pressure, modulating the frequency and duty cycle of the flow of breathing gas, or modulating the level of flow and pressure amplitude of the breathing gas, or two or more thereof.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4627/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPUTED TOMOGRAPHY APPARATUS

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(51) International classification	:A61B6/03
(31) Priority Document No	:09179186.3
(32) Priority Date	:15/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055712
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)KOEHLER Thomas**  
**2)PROKSA Roland**  
**3)ROESSL Ewald**

(57) Abstract :

The invention relates to a computed tomography apparatus for imaging an object. The computed tomography apparatus comprises a radiation source (2) for generating modulated radiation (4) traversing the object and a detector (6) for generating detection values depending on the radiation (4) after having traversed the object while the radiation source (2) and the object are moved relative to each other. A weight providing unit (14) provides modulation weights for weighting the detection values depending on the modulation of the radiation (4) and a reconstruction unit (15) reconstructs an image of the object wherein the detection values are weighted based on the provided modulation weights and an image of the object is reconstructed from the weighted detection values. This can allow to optimize the dose application to the object by modulating the radiation accordingly wherein the reconstructed images still have a high quality.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4628/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DRIVER FOR A SOLID STATE LAMP

(51) International classification	:H05B33/08
(31) Priority Document No	:09179172.3
(32) Priority Date	:15/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055720
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)CLAESSENS Dennis Johannes Antonius**  
**2)HONTELE Bertrand Johan Edward**  
**3)VAN DER VEEN Geert Willem**

(57) Abstract :

An electronic driver (100) for driving a solid state lamp (L) is capable of: - receiving phase-cut AC supply voltage (PCACV); - deriving from the phase-cut AC supply voltage dim information defining a desired dim level of the light output of the lamp; - driving the solid state lamp in a dim mode at a dim level corresponding to the desired dim level as derived from the phase-cut AC supply voltage. For the purpose of deriving the dim information the driver senses its input current. In an embodiment the driver comprises: - a controllable lamp current generator (130); - a control device (140) controlling the lamp current generator; - a rectifier (110) rectifying the received phase-cut AC supply voltage; - a current sensor (150) sensing the output current (Ic) of the rectifier; - a signal processor (160) processing the current sensor output signal and generating an input signal for the control device (140).

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4629/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A SHAVING DEVICE

(51) International classification	:B26B21/44
(31) Priority Document No	:09179190.5
(32) Priority Date	:15/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055672
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

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BENNIK Jan**  
**2)RAAP Gerben**  
**3)LELIEVELD Mark Johannes**  
**4)ZUIDERVAART Jasper**

(57) Abstract :

A shaving device (1 21) comprises a handle (2) provided with a reservoir (6) for holding a fluid a treatment device (4 24) provided with at least one shaver element (5) which treatment device (4 24) is pivotable with respect to the handle (2) and a fluid channel (7) extending from the reservoir (6) to an outlet opening (8 28) at least near the treatment device (4 24). At least a part of the fluid channel (7) is elastically deformable from a closed position in which the passage through the fluid channel (7) is closed off to an opened position in which the passage through the fluid channel (7) is opened by pivoting the handle (2) with respect to the treatment device (4 24) from a rest position to an activated position and vice versa.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4642/CHENP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : SYSTEM AND SOFTWARE PRODUCT

(51) International classification	:G09G5/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/256,125	1)NEC Display Solutions Ltd.
(32) Priority Date	:29/10/2009	Address of Applicant :4-28 Mita 1-chome Minato-ku Tokyo-108-0073 Japan
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/069539	1)ZMUDA Michael
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	

(57) Abstract :

A system for display third media content includes a display device and a display controller. The display controller is a computer having stored thereon a main presentation application and a priority presentation application which can operate concurrently on a CPU of the computer. The main presentation application configured to cause the display device to present a main display content as a main presentation and the priority presentation application configured to cause the display device to present a priority display content as a priority presentation and to exclude the main presentation of the main presentation application from the display device for an entire duration of the priority presentation and further configured to cause a resumption of the main presentation on the display device upon completion of the priority presentation. The main and priority display content each comprise any of still or motion video information

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4644/CHENP/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : METHOD FOR REMOTELY INSPECTING A TARGET IN A MONITORED AREA

(51) International classification	:G01N22/00
(31) Priority Document No	:2009145045
(32) Priority Date	:26/11/2009
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2010/000725
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 :

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Petersburg-190013 Russia

(72)Name of Inventor :

**1)KUZNETSOV Andrey Viktorovich  
2)GORSHKOV Igor Yurievich  
3)AVERYANOV Valery Petrovich**

(57) Abstract :

Intended use: for remote inspection of a target in a monitored area. Subject matter: the monitored area is irradiated with microwave radiation using two or more elementary microwave emitters. The signal reflected from the monitored area is recorded by one or more parallel recording channels, the recorded signal undergoes coherent processing to obtain the maximum intensity values of the reconstructed configuration of the scatterers in the monitored area in dependence on the distance from the elementary emitters to the target. The information obtained as a result of such processing is displayed by constructing a microwave image corresponding to a three dimensional surface. In addition, a video image of the target is obtained by using two or more video cameras which are synchronized with the microwave emitters, the resulting video image of the target is converted, and the three dimensional video image and the microwave image are converted into a general system of coordinates. The technical result is an increase in the reliability with which the presence or absence of dielectric objects is determined in a covert inspection.

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4645/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COPOLYMERIZED POLYAMIDE RESIN METHOD FOR PRODUCING SAME RESIN COMPOSITION AND MOLDED ARTICLE FORMED FROM THE COPOLYMERIZED POLYAMIDE RESIN OR THE RESIN COMPOSITION

(51) International classification	:C08G69/26
(31) Priority Document No	:2009-269760
(32) Priority Date	:27/11/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/070858 :24/11/2010
(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 :**

- 1)KANDA Tomomichi
- 2)KIKUCHI Minoru
- 3)SHINOHARA Katsumi
- 4)KUROSE Hideyuki

(57) Abstract :

Acopolyamide resin for molding including a diamine component which includes two or more diamines and a dicarboxylic acid component. The diamine component includes 70 mol % or more of a xylylenediamine which includes 20 mol % or more of p - xylylenediamine and the dicarboxylic acid component includes 70 mol % or more of a straight-chain aliphatic dicarboxylic acid having 6 to 18 carbon atoms. The copolyamide resin contains particles having a major diameter of 50 µm or more in an amount of 1000 particles/g or less, the particles being made of a polyamide having a melting point higher than that of the copolyamide resin by 20 °C or more when measured by a differential scanning calorimetry. The copolyamide resin has very uniform and stable properties and is excellent in any of mechanical properties, heat resistance, chemical and physical properties, and molding properties. An efficient production method of the copolyamide resin, its resin composition, and its molded article are also described.

No. of Pages : 47 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/02/2008

(21) Application No.302/CHE/2008 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN IMPROVED DYNAMIC ARE CHUTE

(51) International classification	:H01H
(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)LARSEN & TOUBRO LIMITED**

Address of Applicant :KIADB INDUSTRIAL AREA  
HEBBAL-HOOTAGALLI MYSORE 570 018 Karnataka India

(72)Name of Inventor :

**1)VELMURUGAN SENTHIL KUMAR**

**2)SUKUMAR SUBASH**

(57) Abstract :

The invention provides an improved, dynamic arc chute that advantageously yields a low reluctance by stacking a plurality of plates and providing means for dynamic opening and closing of the stacking of plurality of plates to produce the desired anode cathode drop required for arc to traverse through the chute. Further the invention also provides for a system that utilizes the said arc chute to enable an effective circuit breaker.

No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.550/CHE/2010 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : EARTH QUAKE ALARMING SYSTEM

(51) International classification

:G08B21/10

(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)VANALINGAM .R**

Address of Applicant :S/o. S. RAJU, 82/66, NADAGA  
SALAI ST, SRIVILLIPUTUR VNR DT - 626 125. Tamil Nadu

India

(72)Name of Inventor :

**1)VANALINGAM .R**

(57) Abstract :

The EARTHQUAKE ALARMING SYSTEM to alert People at the time of an earthquake to secure their lives is a unique one as it is faultless and reliable One.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.926/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A SYSTEM AND A METHOD FOR TRACKING RAIL VEHICLES

(51) International classification	:G11B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SONA COLLEGE OF TECHNOLOGY, SALEM</b>
(32) Priority Date	:NA	Address of Applicant :SONA COLLEGE OF
(33) Name of priority country	:NA	TECHNOLOGY, THIAGARAJAR POLYTECHNIC COLLEGE
(86) International Application No	:NA	ROAD, SALEM - 636 005 Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)DR. M. USHA</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 system and a method for alerting services by detecting rail vehicles and automatic tracking of them and methods thereof. The arrangement comprises at least one central component that has subcomponents integrated to facilitate tracking and alerting services of the system. With the help of support components to detect and monitor the presence of rail vehicles through physical parameters, the central component alerts user components. A method is used to alert the user components concerned and to automatically control the devices concerned when a rail vehicle is present or crossing at a certain space and time. Methods are presented for receiving the signals corresponding to the physical parameters wirelessly, storing them and alerting when the data exceeds a certain threshold.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.927/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ELECTRONIC TRAFFIC SIGN BOARD ANNOUNCER USING RADIO FREQUENCY SIGNALS

(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)SONA COLLEGE OF TECHNOLOGY, SALEM**

Address of Applicant :SONA COLLEGE OF  
TECHNOLOGY, THIAGARAJAR POLYTECHNIC COLLEGE  
ROAD, SALEM - 636 005 Tamil Nadu India

(72)Name of Inventor :

**1)PROF. B. GOPI**

**2)MR. T.N. RAJ VIGNESH**

**3)MR. K.P. HARSHA PRASANNA**

**4)MR. G. DINESH**

---

(57) Abstract :

Road accidents are happening at a very high rate nowadays. Surveys say that 14 people die every hour in India due to road accidents. And the fact to be given attention is that 60% of road accidents happen at night due to lack of visual perception of traffic sign boards. There is no effective system to put a check on this increasing accident rate. Even if the driver is alert, due to lack of visual clearance during night time, he/she happens to oversee the traffic sign boards and meet with catastrophic accidents. To address the problem, an attempt has been made to produce an embedded system that will armounce the traffic sign board inside the vehicle 30m even before the sign board will arrive. So the driver gets sufficient time to drive carefully. The system is ELECTRONIC TRAFFIC SIGN BOARD ANNOUNCER IN VEHICLES USING RADIO FREQUENCY SIGNALS. It is the design and implementation of a low cost embedded system in vehicles and traffic sign boards, to alarm the driver about the traffic sign boards on road, which otherwise would otherwise go urmoticed at night time due to lack of vision. The transmitter placed in the traffic sign boards consume less power and demands battery replacement once in five years only. The receiver in the vehicle gives a voice armouncement about the traffic sign board. This is an excellent alternative to GPS system which is available only in western countries.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.955/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : TASTE MASKED ORALLY DISSOLVING STRIPS OF SILDENAFIL CITRATE

(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)VENKATESH KATAKAM**

Address of Applicant :House No. 8-16-94/1 Plot No. 40  
A.I.R. Colony Chintalkunta L.B.Nagar Hyderabad-500074

Andhra Pradesh India

(72)**Name of Inventor :**

**1)VENKATESH KATAKAM**

**2)K. ADINARAYANA REDDY**

(57) Abstract :

The present invention relates to the taste masked orally dissolving strips of Sildenafil citrate comprising Sildenafil citrate as the active ingredient a taste masking agent and other pharmaceutically acceptable excipients wherein the taste masked orally dissolving strips of sildenafil citrate disintegrates in less than 30 seconds in the oral cavity and the process for preparation thereof.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4587/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ANTIVIRAL AGENT AND FOOD/BEVERAGE COMPOSITION

(51) International classification	:A61K35/74
(31) Priority Document No	:2009-267998
(32) Priority Date	:25/11/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070666
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

(71)Name of Applicant :

1)MEIJI CO. LTD.

Address of Applicant :2-10 Shinsuna 1-chome Koto-ku  
Tokyo-136-8908 Japan

(72)Name of Inventor :

1)MAKINO Seiya

2)IKEGAMI Shuji

3)ITO Hiroyuki

(57) Abstract :

Provided is a highly safe antiviral agent which exhibits an effect through preventive ingestion and which exhibits an effect on any kind of virus through intake. A neutral polysaccharide to be produced by Lactobacillus delbrueckii ssp. bulgaricus OLL1073R-1 enhances innate immunity by enhancing an increase in activity of an NK cell in response to IFN- $\alpha$  and provides a preventive effect which is free of viral specificity unlike a vaccine and which can be exhibited before viral infection.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4588/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ENGINEERED TIMBER PRODUCTS COMPONENTS AND METHODOLOGIES

(51) International classification	:B27D3/02
(31) Priority Document No	:581484
(32) Priority Date	:25/11/2009
(33) Name of priority country	:New Zealand
(86) International Application No	:PCT/NZ2010/000228
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

(71)Name of Applicant :

**1)WOOD ENGINEERING TECHNOLOGY LIMITED**

Address of Applicant :80 Hastie Avenue Mangere Bridge  
Auckland New Zealand

(72)Name of Inventor :

**1)BOSSON Warwick**

**2)HARRISON Roger Frank**

(57) Abstract :

A method of drying sticks a related apparatus resultant product and its uses where the method involves presenting a plurality of sticks in parallel as a single layer pressing each stick with a bank of pressing members on and/or into at least one face of the sticks each with plurality of protuberances thereby to constrain the sticks against crook and drying the sticks when so constrained. Preferably each bank of pressing members is an underside of a frame or lattice of a stack of such frames or lattices able to receive such a single layer of sticks between adjacent overlying/underlying frames or lattices the protuberances preferably being only downwardly directed.

No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.928/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A SYSTEM AND A METHOD FOR PRESENCE MANAGEMENT

(51) International classification	:H04W
(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)SONA COLLEGE OF TECHNOLOGY, SALEM**

Address of Applicant :SONA COLLEGE OF  
TECHNOLOGY, THIAGARAJAR POLYTECHNIC COLLEGE  
ROAD, SALEM - 636 005 Tamil Nadu India

(72)Name of Inventor :

**1)MR. M. KISHORE**

**2)DR. M. USHA**

(57) Abstract :

The present invention relates to a system and a method for providing presence management services of entities and methods thereof. The arrangement comprises one or more source components for data collection and optionally comprising of a storage module to store details of the entities currently present at a point of time and space, one or more central components for receiving and storing the collected data from source component, and one or more access components to access and manage data stored in the central component. A method to provide presence management and a methodology for data collection, transfer and retrieval is also described.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.929/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SYNTHESIS OF UNIFORM AND HIGH DENSITY SILVER NANOPARTICLES BY USING PELTOPHORUM PTEROCARPUM PLANT EXTRACT

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)SONA COLLEGE OF TECHNOLOGY, SALEM</b> Address of Applicant :SONA COLLEGE OF TECHNOLOGY, THIAGARAJAR POLYTECHNIC COLLEGE ROAD, SALEM - 636 005 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)DR. S. SARAVANAN</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 the preparation of uniform and high density metal nanoparticles by using Peltophorum pterocarpum plant extract and antimicrobial activity of the prepared Nanoparticles. The present invention describes the size control and effect of reaction temperature and antimicrobial activity of prepared metal (silver) nanoparticles against *Staphylococcus aureus*.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.957/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LIFE AXLE SUSPENSION BUSING

(51) International classification	:B60G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ASHOK LEYLAND LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :NO. 1, SARDAR PATEL ROAD,
(33) Name of priority country	:NA	GUINDY, CHENNAI 600 032 Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)A. SAHAYA GRINSPAN</b>
(87) International Publication No	: NA	<b>2)SATHYA PRASAD MANGALARAMANAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The pivot bushing of the lift axle suspension has a polyurethane bush, which is inserted in the eye end of the pull arms of the self steer lift axle. A pair of thrust washers called wear pads, are placed at both the side of the polyurethane bush. It reduces the frictional coefficient at the contact surface of the wear pad and the hanger bracket's structure or the bottom air bellow mounting bracket's structure. The polyurethane bush has few straight grooves at the inside surface of the bush. In which, grease is filled before assemble the pull arm assembly with the hanger bracket and the bottom air bellows mounting bracket. A steel sleeve is inserted in the hole provided in the polyurethane bush and pivotally tightened with the hanger bracket and bottom air bellows mounting bracket using a bolt and a nut. The steel sleeve is used to maintain a required clearance between the wear pad and the hanger bracket and the bottom air bellows mounting bracket. In the assembly, the bolt is used as a pivot pin. Therefore, the pull arm assembly is freely rotated on the steel sleeve with respective the pivot pin axis when the vehicle is operated on the road. The polyurethane bush has an appropriate stiffness which dampens the shock load developed in the pull arms due to road undulate.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.925/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : PRODUCING NANOSILICA FROM SORGHUM VULGARE SEED HEADS

(51) International classification	:C04B
(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)SONA COLLEGE OF TECHNOLOGY, SALEM**

Address of Applicant :THIAGARAJAR POLYTECHNIC  
COLLEGE ROAD, SALEM - 636 005 Tamil Nadu India

(72)Name of Inventor :

**1)DR. S. SARAVANAN**

(57) Abstract :

The present invention relates to the preparation of pure nanosilica from silica containing plant matter such as Sorghum vulgare seed heads (SVSH). SVSH is very rich in silica, and ash contains more than 87wt.% of silica. The present invention describes the preparation of nanosilica from agricultural waste. Silica was prepared from SVSH by calcinated it at high temperature in the presence of atmosphere air until the white ash is obtained to reduce the Organic contents. After calcination, the ash was posted to different kind of chemical treatment to remove the inorganic contents other than the silica. The process provides for the production of high purity silica from SVSH. The SVSH has not commercial application yet.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.950/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD OF MAKING MELANGE GARMENTS

(51) International classification	:D06P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)RAJEEV AKSHAY KARTHIKEYAN</b>
(32) Priority Date	:NA	Address of Applicant :14, HUZUR ROAD, COIMBATORE -
(33) Name of priority country	:NA	541 018 Tamil Nadu India
(86) International Application No	:NA	<b>2)DEV ANNAD V</b>
Filing Date	:NA	<b>3)NIKHILA KONERU</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)RAJEEV AKSHAY KARTHIKEYAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present invention are directed to a melange textile with differential dyeability comprising yarns made from a natural cellulose fiber of pre-determined fiber length, a re-generated cellulose fiber of pre-determined length and a combination of the natural and the re-generated cellulose fiber with pre-determined cationic concentration; a fabric weave or a fabric knit comprising the yarns with pre-determined cationic concentration and multiple un-treated yarns knitted or woven in a pre-defined pattern; a multi-toned fabric made through dyeing the fabric knit or fabric weave with different yarns with different cationic percentage content with a fiber-reactive dye in a salt and alkali free dyeing where the dye stuff is taken according to the cationic sites present in the fabric and the melange textile can be manufactured by using differentially dyeable fabric and garment in different colors and shade patterns comprising a fabric woven and knitted in a pre-determined pattern.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.951/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD OF CHROMATICALLY IDENTIFYING PERCENTAGE CATIONIC STRENGTH ON CATIONIC YARNS

(51) International classification	:D06L
(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)RAJEEV AKSHAY KARTHIKEYAN**

Address of Applicant :14, HUZUR ROAD, COIMBATORE - 541 018 Tamil Nadu India

**2)DEV ANNAD V**

**3)NIKHILA KONERU**

(72)Name of Inventor :

**1)RAJEEV AKSHAY KARTHIKEYAN**

(57) Abstract :

Exemplary aspects of the present invention are directed to a method adapted for chromatically identifying percentage cationic strength of a cationic yarn and fiber comprising the following steps: a) uniformly tinting at least one fiber samples having differential percentage cationic strengths in at least one dye solution, wherein the at least one dye solution consists a predetermined concentration of a fabric dye, b) obtaining at least one tinted yarn sample dyed with a basic dye solution in conformity with the differential percentage cationic strengths and c) chromatically identifying the at least one tinted fiber sample and the tinted yarn sample of predetermined percentage cationic strength for fabricating a textile in conformity with a predefined pattern.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/03/2012

(21) Application No.983/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : AN ERGONOMIC CORE KEYPAD LAYOUT FOR A LOOK-FORWARD STB REMOTE FOR OPTIMAL TV ORIENTED NAVIGATION AND MEDIA PLAYING

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MOHAN TAMBE</b>
(32) Priority Date	:NA	Address of Applicant :#202 VARS FERNDALE 1ST MAIN
(33) Name of priority country	:NA	KODIHALLI HAL IIND STAGE BANGALORE 560008
(86) International Application No	:NA	Manipurr India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)MOHAN TAMBE</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 Keypad layout for a remote control for allowing optimal control of both navigation and media-playing aspects in a look forward• manner for a user. In one embodiment the layout includes a cursor keypad with a central homing key OK• and at least four direction cursor keys arranged in a circular manner around it a BACK• and a MENU key which are placed above the Cursor keypad in diagonal directions with respect to the homing key OK• a pair of Volume Up/Dn• keys and a pair of PG Up/Dn• keys placed below the Cursor keypad in diagonal directions with respect to the homing key OK• and MUTE• key which is placed below the Volume Up/Dn• key and a PIP• key placed below the PG Up/Dn• key.

No. of Pages : 52 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4591/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : COMPOSITIONS FOR SACCHARIFICATION OF CELLULOSETIC MATERIAL

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(51) International classification

:C12N9/42

(31) Priority Document No

:61/259,014

(32) Priority Date

:06/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/055723

Filing Date

: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 :

**1)NOVOZYMES INC.**

Address of Applicant :1445 Drew Avenue Davis California  
95618 United States of America

(72)Name of Inventor :

**1)MCBAYER Brett**

**2)SHAGHASI Tarana**

**3)VLASENKO Elena**

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(57) Abstract :

The present invention relates to enzyme compositions for high temperature saccharification of cellulosic material and to uses thereof.

No. of Pages : 830 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4594/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : HIERARCHICAL TRANSLATION TABLES CONTROL

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(51) International classification	:G06F12/10
(31) Priority Document No	:1004294.3
(32) Priority Date	:15/03/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/050210
Filing Date	:08/02/2011
(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 :

**1)ARM LIMITED**

Address of Applicant :110 Fulbourn Road Cherry Hinton Cambridge CB1 9NJ U.K.

(72)Name of Inventor :

**1)RICHARD ROY GRISENTHWAITE**

(57) Abstract :

Memory address translation circuitry (14) performs a top down page table walk operation to translate a virtual memory address VA to a physical memory address PA using translation data stored in a hierarchy of translation tables (28, 32, 36, 38, 40, 42). A page size variable S is used to control the memory address translation circuitry (14) to operate with different sizes S of pages of physical memory addresses, pages of virtual memory address and translation tables. These different sizes may be all 4kBs or all 64kBs. The system- may support multiple virtual machine execution environments. These virtual machine execution environments can independently set their own page size variable as can the page size of an associated hypervisor (62).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.935/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STEP HOLDER ASSEMBLY

(51) International classification	:H02M	(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)HARI GANESH SAKINALA</b>
(87) International Publication No	: NA	<b>2)PRASAD PADAVALA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VINAY RAVI</b>
Filing Date	:NA	<b>4)BHAARATH R J</b>
(62) Divisional to Application Number	:NA	<b>5)VAMSI KRISHNA BALLA</b>
Filing Date	:NA	<b>6)PALANISAMY NANDAKUMAR</b>
		<b>7)VENKATESAN KARTHIKEYAN</b>
		<b>8)KANNAN MARUDACHALAM</b>

(57) Abstract :

A improved step holder assembly for a vehicle is described. The present invention provides two step holder (201, 201a) mounted to swing arm pivot (202), and frame (203) and the step holder (201) is disposed on motorcycle body side; a foot peg (204), a gear shift lever (205), a brake lever (206) are provided on the step holder(s); and a tie bar (207) is provided for interconnecting the step holder (201) on each side of the motorcycle.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4597/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OPTICAL SEMICONDUCTOR AND METHOD FOR PRODUCING THE SAME OPTICAL SEMICONDUCTOR DEVICE PHOTOCATALYST HYDROGEN PRODUCING DEVICE AND ENERGY SYSTEM•

(51) International classification	:B01J27/24
(31) Priority Document No	:2010-292999
(32) Priority Date	:28/12/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/006617
Filing Date	:28/11/2011
(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 :**

**1)PANASONIC CORPORATION**

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(72)**Name of Inventor :**

**1)SUZUKI Takahiro**

**2)NOMURA Takaiki**

**3)TAMURA Satoru**

**4)HATO Kazuhito**

**5)TANIGUCHI Noboru**

**6)TOKUHIRO Kenichi**

**7)MIYATA Nobuhiro**

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(57) Abstract :

The method for producing the optical semiconductor of the present invention includes a mixing step of producing a mixture containing a reduction inhibitor and a niobium compound that contains at least oxygen in its composition; a nitriding step of nitriding the mixture by the reaction between the mixture and a nitrogen compound gas; and a washing step of isolating niobium oxynitride from the material obtained through the nitriding step by dissolving chemical species other than niobium oxynitride with a washing liquid. The optical semiconductor of the present invention substantially consists of niobium oxynitride having a crystal structure of baddeleyite and having a composition represented by the composition formula NbON.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4598/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SHOE WITH PROFILING AND FIXING STRUCTURE

(51) International classification	:A43B3/24
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2010/000012
Filing Date	:04/01/2010
(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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Address of Applicant :10F. No. 2 Baosheng Rd. Yonghe City Taipei County 23444 Taiwan R.O.C.

(72)Name of Inventor :

**1)SHEN HSIU-HUI**

(57) Abstract :

A shoe molding and fixing structure which includes: a shoe body having a shoe heel wherein the shoe body is worn by a predetermined user and an accommodation space is formed at a bottom of the shoe body through the shoe heel; and at least one ring body wherein the ring body is capable of being jacketed on the shoe body and the user and the ring body is disposed around the accommodation space.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.932/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : CUSTOMER-CENTRIC DEMAND SIDE MANAGEMENT FOR UTILITIES

(51) International classification	:H02J
(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)Accenture Global Services Limited**

Address of Applicant :3 Grand Canal Plaza Grand Canal  
Street Upper Dublin 4 IRELAND

(72)Name of Inventor :

**1)Sanjoy Paul**

**2)Anitha Chandran**

**3)Gary Titus**

(57) Abstract :

A method and system for reducing demand on a power grid through demand side management includes receiving assigned priorities from a customer for smart appliances and for appliances plugged into sockets of one or more smart plugs of the customer the assigned priorities indicative of a customer-preferred sequence for disconnection of or adjustment of power to the appliances from the power grid. The system determines whether to disconnect or adjust power to at least one of the appliances of the customer; and selects at least one of the appliances according to the assigned priorities to reduce demand on the power grid. The system sends one or more commands the one or more commands indicative to the one or more smart plugs to disconnect or adjust power to the selected at least one of the appliances based on selecting at least one of the appliances.

No. of Pages : 42 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.987/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A BONE FILLER CEMENT

(51) International classification

:A61L

(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)M/S SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL**

Address of Applicant :SCIENCES AND TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING, POOJAPPURA, THIRUVANANTHAPURAM - 695 012 Kerala India

(72)Name of Inventor :

**1)MANOJ KOMATH**

**2)HARIKRISHNA VARMA P.R.**

(57) Abstract :

This invention relates to a formulation for the production of bone cement comprising a powder and a wetting solution, said powder comprising - 50 to 90% by weight of calcium sulphate hemihydrate ( $2\text{CaSO}_4\cdot\text{H}_2\text{O}$ ) having a particle size in the range of 45 to 125 microns. - 10 to 50% by weight of at least one compound selected from strontium hydroxylphosphate and strontium sulphate, each having a particle size in the range of 45-125 microns.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4575/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD FOR PROVIDING A SPECTACLE OPHTHALMIC LENS BY CALCULATING OR SELECTING A DESIGN•

(51) International classification	:G02C7/42	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09306095.2	<b>1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE DOPTIQUE)</b>
(32) Priority Date	:13/11/2009	Address of Applicant :147 rue de Paris F-94220 Charenton Le Pont France
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/067498	<b>1)MARIN Gildas</b>
Filing Date	:15/11/2010	<b>2)HERNANDEZ Martha</b>
(87) International Publication No	: NA	<b>3)BONIN Thierry</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for providing a spectacle ophthalmic lens to a wearer the method comprising the following consecutive steps: measuring the visual acuity value(s) VA of the eye(s) of the wearer or the binocular visual acuity value VAbino of both eyes of the wearer where the eye(s) of the wearer is (are) substantially free of low order aberrations or is (are) corrected of low order aberrations; calculating thanks to computer means a design of the spectacle ophthalmic lens or selecting a design in a spectacle ophthalmic lens design data base by adapting the management of residual astigmatism based on the measured visual acuity value(s) of the eye(s) of the wearer.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4576/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : KINASE INHIBITORS•

(51) International classification	:A01N43/54
(31) Priority Document No	:61/261,100
(32) Priority Date	:13/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/056583 :12/11/2010
(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 :**

**1)GENOSCO**

Address of Applicant :12801 Busch Place Santa Fe Springs  
CA 90670 United States of America

**2)OSCOTEC INC.**

**(72)Name of Inventor :**

**1)LEE Jaekyoo**

**2)SONG Ho-Juhn**

**3)KOH Jong Sung**

**4)LEE Hee Kyu**

**5)KIM Youngsam**

**6)KIM Hong Woo**

**7)CHANG Sunhwa**

**8)LIM Sun-Hee**

**9)CHOI Jang-Sik**

**10)KIM Jung-Ho**

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**(57) Abstract :**

The present invention provides a new group of protein kinase inhibitors pyrropyrimidine and pyrazolopyrimidine derivatives and pharmaceutically acceptable salts and prodrugs thereof that are useful for treating cell proliferative disease and disorder such as cancer autoimmune diseases infection cardiovascular disease and neurodegenerative disease and disorder. The present invention provides methods for synthesizing and administering the protein kinase inhibitor compounds. The present invention also provides pharmaceutical formulations comprising at least one of the protein kinase inhibitor compounds together with a pharmaceutically acceptable carrier diluent or excipient therefor. The invention also provides useful intermediates generated during the syntheses of the pyrropyrimidine and pyrazolopyrimidine derivatives.

No. of Pages : 127 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4577/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STARCH-BASED BIODEGRADABLE POLYMER; METHOD OF MANUFACTURE AND ARTICLES THEREOF•

(51) International classification	:C08L3/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09174637.0	<b>1)STICHTING KENNIS EXPLOITATIE RB</b>
(32) Priority Date	:30/10/2009	Address of Applicant :Aegidiusstraat 135 NL-3061 XG Rotterdam The NETHERLANDS
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/NL2010/050712	<b>1)VAN HEEMST Jacob Johannes</b>
Filing Date	:26/10/2010	<b>2)ZANT Erwin</b>
(87) International Publication No	: NA	<b>3)SCHENNINK Geraldus Gerardus Johannes</b>
(61) Patent of Addition to Application Number	:NA	<b>4)RODENBURG Jan Arie</b>
Filing Date	:NA	<b>5)RODENBURG Joost</b>
(62) Divisional to Application Number	:NA	<b>6)RODENBURG Thijs</b>
Filing Date	:NA	

(57) Abstract :

The invention pertains to a process for manufacturing a biodegradable composition wherein said process involves compounding of at least (a) thermoplastic starch (TPS) (b) a vinyl ester polymer and (c) one or more plasticizer(s) for component (b) wherein said one or more plasticizer(s) (c) and optionally part of the vinyl ester polymer (b) is introduced only when all or a major part of said thermoplastic starch is destructureized from granular/native starch. Preferably diacetin is used for plasticizer (c) and introduced only after destructureizing the starch.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4579/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : APPARATUS AND METHOD FOR GENERATING A PARITY CHECK MATRIX IN A COMMUNICATION SYSTEM USING LINEAR BLOCK CODES AND A TRANSMISSION/RECEPTION APPARATUS AND METHOD USING THE SAME

(51) International classification	:H03M13/09
(31) Priority Document No	:10-2009-0105092
(32) Priority Date	:02/11/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2010/007679 :02/11/2010
(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 :**

**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)Hyun-Koo YANG**

**2)Hong-Sil JEONG**

**3)Sung-Ryul YUN**

**4)Jae-Yoel KIM**

**5)Hak-Ju LEE**

**6)Seho MYUNG**

**7)Jin-Hee JEONG**

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(57) Abstract :

A method and apparatus are provided for generating a parity check matrix used to generate a linear block code in a communication system. The method includes determining a basic parameter of a second parity check matrix satisfying a rule predetermined with respect to a given first parity check matrix; generating a submatrix corresponding to a parity part of the second parity check matrix using the basic parameter; and generating a submatrix corresponding to an information word part of the second parity check matrix using the first parity check matrix and the basic parameter.

No. of Pages : 57 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.924/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : RELATIVISTIC VERSION OF R. VELMURUGAN SHADOW FORMULA

(51) International classification	:G02B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)R. VELMURUGAN</b>
(32) Priority Date	:NA	Address of Applicant :146/5 NORTH STREET,
(33) Name of priority country	:NA	SENGAMEDU (VILL) AVINANGUDI (PO), TITTAGUDI(TK),
(86) International Application No	:NA	CUDDALORE (DT) - 606 112 Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)R. VELMURUGAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Shadow is fall on floor horizontally , when observer in rest frame of reference see length of shadow in moving frame of reference the shadow length contracted according to lorentz -Fitzerald. This incidence induce me to take in to account of Lorentz-Fitzerald contraction in R.Velmurugan (I)shadow formula .

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.949/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : A METHOD OF MANUFACTURING PRO-FASHION YARN

(51) International classification	:B01F
(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)RAJEEV AKSHAY KARTHIKEYAN**

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**2)DEV ANAND V**

**3)NIKHILA KONERU**

(72)Name of Inventor :

**1)RAJEEV AKSHAY KARTHIKEYAN**

(57) Abstract :

A method for manufacturing a differentially dyeing charged textile yarn or pro-fashion yarn comprises of the following steps: a) Feeding the cellulose fiber material, through any mechanical means to obtain fibers of any form b) Charging the cellulose fibers with a cationizing agent to obtain positively charged fibers in any pre-determined concentration ranging from 1% to 100%. c) Blending the treated and un-treated cellulose fibers through any of the blending methods namely bale mixing, fiber blending, flock blending, lap blending, sheet blending, sliver blending and roving blending in any pre-determined blend ratio ranging from 1% to 99%. e) Spinning the Pro-fashion yarn through any available techniques for producing yarn, f) Winding the Pro-fashion yarn over a cone or cheese to obtain the differentially dyeing charged textile yarn or a pro-fashion yarn free of defects.

No. of Pages : 77 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/03/2012

(21) Application No.982/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A METHOD AND SYSTEM OF PROVIDING A USER INTERFACE FOR INTUITIVE BROWSING A PLURALITY OF ITEMS

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MOHAN TAMBE</b>
(32) Priority Date	:NA	Address of Applicant :#202 VARS FERNDALE 1ST MAIN
(33) Name of priority country	:NA	KODIHALLI HAL IIND STAGE BANGALORE 560008
(86) International Application No	:NA	Madhya Pradesh India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)MOHAN TAMBE</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 for intuitive browsing of a very large set of items which are related to each other. In one embodiment this can be accomplished by displaying a multiple level visual items which are arranged sequentially within each level wherein each item having a ~frame™ around it which is designed such that it intuitively conveys the type of the item and wherein each level having a ~central item™ which influences the items displayed at the lower levels browsing through all the items on the first level through horizontal movements with the second -level (sub-level) and level below always showing items belonging to the central item in the above level and browsing through all the items any levels by moving vertically wherein the levels move vertically such that there is always a ~look ahead™ level available below the level with the ~central item™ wherein at any time a look ahead is available for the plane above the ~central item™ either on a separate preview monitor or on a PIP window on the same display device.

No. of Pages : 58 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2012

(21) Application No.2739/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BENZOXAZEPIN PI3K INHIBITOR COMPOUNDS AND METHODS OF USE

		<p>(71)<b>Name of Applicant :</b> <b>1)F. HOFFMANN-LA ROCHE AG</b> Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland</p>
(51) International classification	:C07D498/04	(72) <b>Name of Inventor :</b>
(31) Priority Document No	:61/246,381	<b>1)BLAQUIERE, NICOLE</b>
(32) Priority Date	:28/09/2009	<b>2)DO, STEVEN</b>
(33) Name of priority country	:U.S.A.	<b>3)DUDLEY, DANETTE</b>
(86) International Application No	:PCT/EP2010/064208	<b>4)FOLKES, ADRIAN J.</b>
Filing Date	:27/09/2010	<b>5)HEALD, ROBERT</b>
(87) International Publication No	:WO 2011/036280	<b>6)HEFFRON, TIMOTHY</b>
	A1	<b>7)JONES, MARK</b>
(61) Patent of Addition to Application Number	:NA	<b>8)KOLESNIKOV, ALEKSANDR</b>
Filing Date	:NA	<b>9)NDUBAKU, CHUDI</b>
(62) Divisional to Application Number	:NA	<b>10)OLIVERO, ALAN G.</b>
Filing Date	:NA	<b>11)PRICE, STEPHEN</b>
		<b>12)STABEN, STEVEN</b>
		<b>13)WANG, LAN</b>

(57) Abstract :

The invention relates to benzoxazepin compounds of Formula I including stereoisomers, geometric isomers, tautomers, or pharmaceutically acceptable salts thereof, wherein: Z1 is CR1 or N; Z2 is CR2 or N; Z3 is CR3 or N; Z4 is CR4 or N; and B is a pyrazolyl, imidazolyl, or triazolyl ring which compounds have anti-cancer activity, and more specifically, inhibit PI3 kinase activity.

No. of Pages : 364 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2008

(21) Application No.3456/CHENP/2008 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : NETWORK USER DATABASE FOR A SIDE BAR

(51) International classification	:G06F3/48
(31) Priority Document No	:11/326137
(32) Priority Date	:04/01/2006
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2007/060010
Filing Date	:02/01/2007
(87) International Publication No	:WO/2007/079463
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Yahoo! Inc.**

Address of Applicant :#701 First Avenue Sunnyvale  
California United States of America

(72)**Name of Inventor :**

**1)Stephen Owens**

**2)Marc Bishop**

**3)Derrick Whittle**

---

(57) Abstract :

Sidebars group a plurality of Internet and other services in one easily accessible location on the desktop. In one embodiment, a users sidebar preferences, such as, for example, the types of applications modules that populate their sidebar are stored by an Internet content provider on a network server. A user can access their personal sidebar preferences from any computer with an Internet connection. In addition, in one embodiment, application module information loaded into the application modules is also stored on a server, thus changes made in a sidebar are reflected in their full service counterpart applications.

No. of Pages : 81 No. of Claims : 63

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.988/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : NON-TOXIC POLYURETHANE COMPOSITIONS WITH INHERENT RADIATION SHIELDING CAPABILITY AND OPTICAL TRANSPERENCY

(51) International classification	:C08G	(71) <b>Name of Applicant :</b> <b>1)M/S. SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL</b> Address of Applicant :SCIENCES AND TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING, POOJAPPURA, THIRUVANANTHAPURAM - 695 012 Kerala 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 :

This invention relates to a non-toxic, X-ray shielding and optically transparent thermoplastic elastomeric polyurethane composition prepared from i) an aliphatic diisocyanate or mixtures of diisocyanates ii) at least one glycol iii) a chain extender compound and iv) optionally, a catalyst.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.959/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : AN APPARATUS AND METHOD FOR SUPPLYING AQUEOUS SOLUTION FOR EXHAUST GAS TREATMENT

(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 :

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SOLUTIONS LIMITED**

Address of Applicant :123, INDUSTRIAL LAYOUT,  
HOSUR ROAD, KORMANGALA, BANGALORE - 560 095

Karnataka India

**2)ROBERT BOSCH GMBH**

(72)Name of Inventor :

**1)NARENDIRAN ND**

(57) Abstract :

The present invention discloses an apparatus for supplying aqueous urea solution for exhaust gas treatment. In accordance with the present invention the aqueous urea solution required for treatment of exhaust gas is prepared in limited quantities on the vehicle using urea granules and demineralized water. As the aqueous urea solution is prepared only in quantity that is required the effect of expansion of the solution on freezing on the tank and components in the tank is reduced. Further the effect of aging of solution is also eliminated.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.990/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MISFIRE DETECTION IN AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D
(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)ROBERT BOSCH ENGINEERING AND BUSINESS  
SOLUTIONS LIMITED**

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HOSUR ROAD, KORMANGALA, BANGALORE - 560 095  
Karnataka India

**2)ROBERT BOSCH GMBH**

(72)Name of Inventor :

**1)SUDHEENDHAR P G**

(57) Abstract :

A device (50) and method for detecting misfire of a cylinder in an IC engine (20) is disclosed. The device (50) comprising: a kinetic energy determining means (52) to determine a first kinetic energy of a crankshaft (25) before TDC during power stroke of the engine (20) and a second kinetic energy of said crankshaft (25) after TDC during power stroke of the engine (20); an absolute kinetic energy determining means (54) for estimating an absolute difference of the first and second kinetic energy; and a misfire detecting means (56) for detecting a misfire of a cylinder by comparing the absolute difference of the kinetic energy with a predetermined threshold.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4630/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : MOTION COMPENSATION WITH TISSUE DENSITY RETENTION

(51) International classification	:G06T11/00
(31) Priority Document No	:61/286410
(32) Priority Date	:15/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055266
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.**  
Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN 5621 BA NETHERLANDS

(72)Name of Inventor :

**1)KOEHLER Thomas**  
**2)KLINDER Tobias**  
**3)KABUS Sven**

(57) Abstract :

A method includes reconstructing the projection data based on a reconstruction algorithm that compensates for both motion and tissue density changes of the moving organ across different motion phases thereby generating motion and density compensated image data. A data compensator includes a reconstructor that reconstructs motion compensated image data based on an reconstruction algorithm that compensates for tissue density changes in a moving object.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4631/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : RADIATION DOSE BASED IMAGING DETECTOR TILE PARAMETER COMPENSATION

(51) International classification	:G01T7/00
(31) Priority Document No	:61/286412
(32) Priority Date	:15/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055267
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.  
Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN 5621 BA NETHERLANDS

(72)Name of Inventor :

1)CHAPPO Marc A.  
2)LUHTA Randall P.  
3)MATTSON Rodney A.

(57) Abstract :

A detector tile (116) of an imaging system (100) includes a photosensor array (204) and electronics (208) electrically coupled to the photosensor array (204) wherein the electronics includes a dose determiner (402) that determines a deposited dose for the detector tile (116) and generates a signal indicative thereof. In one non-limiting instance this signal is utilized to correct parameters such as gain and thermal coefficients which may vary with radiation dose.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.962/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : REAL SIZE IMAGING ON THE FILM FOR THE GIVEN PLANE OF INTEREST BY USING DIGITAL X-RAY EQUIPMENT, ADVANTAGE WORK STATION AND LASER FILM PRINTER

(51) International classification	:A61B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)M/S. CANCER INSTITUTE (WIA)</b>
(32) Priority Date	:NA	Address of Applicant :#18, SARDAR PATEL ROAD,
(33) Name of priority country	:NA	ADYAR, CHENNAI - 600 020 Tamil Nadu India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MR. G. YOGANANTH</b>
(87) International Publication No	: NA	<b>2)MR. C. PALANIVELU</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 involves a method wherein the images of the digital x ray are got without geometrical error and the image is imaged on the film as real size with the help of advantage work station and laser film printer. The invention also relates to the method of getting the real size images of the scan images of CT, MRI and Nuclear Bone.

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.963/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : OLIGONUCLEOTIDES FOR DETECTION AND SEROTYPING OF FOOT AND MOUTH DISEASE VIRUS

(51) International classification	:C12Q	(71) <b>Name of Applicant :</b> <b>1)INDIAN IMMUNOLOGICALS LIMITED</b> Address of Applicant :RAKSHAPURAM, GACHIBOWLI, HYDERABAD 500 032 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)MUTHUKRISHNAN, MADHANMOHAN</b>
(87) International Publication No	: NA	<b>2)SINGANALLUR BALASUBRAMANIAN,</b>
(61) Patent of Addition to Application Number	:NA	<b>NAGENDRAKUMAR</b>
Filing Date	:NA	<b>3)CHANDRAN, DEV</b>
(62) Divisional to Application Number	:NA	<b>4)VILLUPPANOOR ALWAR, SRINIVASAN</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to detection and serotyping of foot and mouth disease virus (FMDV) using a novel set of oligonucleotides as diagnostic tools. The oligonucleotides of the present invention have nucleotide sequences as set forth in SEQ ID NO: 1 to SEQ ID NO: 18. The present invention provides a kit for the detection of the FMDV and serotyping of FMDV. The present invention also provides a method of detecting and serotyping FMDV in a sample using the novel oligonucleotides.

No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.970/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : LOCAL I/O DEVICE CONNECTION IN VIRTUAL PC

(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)Alcatel Lucent

Address of Applicant :3 avenue Octave Greard 75007 Paris  
France

(72)Name of Inventor :

1)Thirumurthy Rajamanickam

(57) Abstract :

The embodiments disclosed herein relate to a method and system for enabling use of I/O devices associated with the client system in a virtual communication network. The I/O devices to be used are connected to the physical interface associated with the client systems. The system splits the device driver corresponding to the connected system into a real part and a virtual part. The real part of the device driver is installed in the client system and the virtual part of the device driver is installed in the virtual server system. Further the real part of device drivers and the virtual part of device drivers are connected to each other through a high speed access channel. The virtual device driver emulates the type of interface as a result of which the specific device can be installed in the virtual server system without any changes.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.971/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BIOREACTOR SYSTEM AND METHOD FOR GENERATING CARTILAGE TISSUE CONSTRUCTS IN A THREE-DIMENTIONAL SCAFFOLD

(51) International classification	:A47K	(71) <b>Name of Applicant :</b> <b>1)SREE CHITRA THIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY</b> Address of Applicant :POOJAPPURA, TRIVANDRUM Kerala 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)DEPARTMENT OF BIOTECHNOLOGY</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MURALEEDHARAN CHIRATHODI VAYALAPPIL</b>
(62) Divisional to Application Number	:NA	<b>2)NAIR PRABHA DAMODARAN</b>
Filing Date	:NA	<b>3)SASIDHARAN SUMESH</b>

(57) Abstract :

The present disclosure provides a Bioreactor system for generating cartilage tissue constructs comprising a housing including culture chambers, a hydro-pneumatic circuit insert and a non-permeable elastic membrane. Further, the present disclosure provides a method for generating cartilage tissue constructs.

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4550/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : BANKNOTE VALIDATOR•

(51) International classification	:G07D7/12
(31) Priority Document No	:61/255,696
(32) Priority Date	:28/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/066381
Filing Date	:28/10/2010
(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

(71)Name of Applicant :

1)SICPA HOLDING SA

Address of Applicant :Avenue de Florissant 41 1008 Prilly Switzerland

(72)Name of Inventor :

1)DECOUX Eric

(57) Abstract :

The present invention relates to the technical field of devices for reading/authenticating banknotes. The invention also concerns handheld devices particularly those which may be used by visually impaired persons to identify different banknote denominations. The present invention is aimed at providing a banknote validator that avoids the drawbacks of the prior art. The validator according to the invention may as well be used for validating a security document including a marking (like luminescent ink or pattern printed on said document luminescent security thread or strip for example) operable to glow with a specific color luminescence under appropriate UV light illumination. The invention further describes a method for identifying a denomination of a banknote having a test zone including a marking operable to glow with a specific color luminescence according to the denomination under appropriate UV light illumination.

No. of Pages : 36 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4551/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND MACHINE FOR MANUFACTURING PASTE IN PARTICULAR CARBON PASTE FOR MAKING ALUMINUM PRODUCTION ELECTRODES•

(51) International classification	:B01F9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SOLIOS CARBONE</b>
(32) Priority Date	:NA	Address of Applicant :32 rue Fleury Neuvesel F-69700
(33) Name of priority country	:NA	Givors France
(86) International Application No	:PCT/FR2009/052294	(72) <b>Name of Inventor :</b>
Filing Date	:25/11/2009	<b>1)ANDRE Jean-François</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 method and device for preparing a paste by means of blending or mixing materials in particular for making aluminum production electrodes. The method includes the following operations: a) introducing the materials to be blended or mixed into a vat (31) having an inner surface extending along a substantially horizontal axis of revolution (X) b) rotating the vat (31) about the axis of revolution (X) and urging the materials via centrifugation against the inner surface of the vat (31) and c) locally dislodging the centrifuged materials from the inner surface by rotating the vat (31) and causing same to fall onto a crumbling tool (40).

No. of Pages : 48 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4552/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : ENABLING PHASE TRACKING FOR A COMMUNICATION DEVICE

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(51) International classification	:H04L27/26
(31) Priority Document No	:61/267,300
(32) Priority Date	:07/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059250
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 :ATTN: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.

(72)**Name of Inventor :**

**1)VINCENT KNOWLES JONES IV**

**2)HEMANTH SAMPATH**

**3)DIDIER JOHANNES RICHARD VAN NEE**

---

(57) Abstract :

A communication device for enabling phase tracking is described. The communication device includes a processor and instructions stored in memory. The communication device generates a plurality of pilot symbols. The pilot symbols conform to a rank-deficient pilot mapping matrix. The communication device also transmits the plurality of pilot symbols.

No. of Pages : 58 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.4639/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : DEVICE AND METHOD FOR EMPTYING QUENCHED OR UNQUENCHED COKE FROM A COKE QUENCHING CAR INTO A RECEIVING DEVICE

(51) International classification	:C10B33/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 054 430.5	<b>1)ThyssenKrupp Uhde GmbH</b>
(32) Priority Date	:25/11/2009	Address of Applicant :Friedrich-Uhde-Strasse 15 44141
(33) Name of priority country	:Germany	Dortmund Germany
(86) International Application No	:PCT/EP2010/006913	(72) <b>Name of Inventor :</b>
Filing Date	:12/11/2010	<b>1)BADURA Sven</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 contrivance for the discharge of quenched or unquenched coke from a coke quenching car into a receiving device, providing that there is an extension of the pusher machine beside at least one coke-oven chamber, which is arranged in one line with the coke-oven chambers, and which is to be operated by the pusher machine, and that there is a receiving device behind the quenching car - as seen from the coke-oven battery - into which the coke can be pushed from the quenching car by means of the extension, the receiving device preferably being a wharf. The invention also relates to a process for the discharge of the hot coke from a coke quenching car into a receiving device, by which capacity bottlenecks of the quenching equipment are compensated so that the coke need not stay in the coke-oven chamber after the end of the coking process, or disturbances of the quenching equipment can be compensated temporarily.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.946/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : CLOUD BASED INTEGRATED SYSTEM FOR REAL TIME CASH SHEET MANAGEMENT

(51) International classification	:G06Q	(71) <b>Name of Applicant :</b> <b>1)ANJUM ALAM KHAN</b> Address of Applicant :33 Cefn Coed Road Cyncoed Cardiff CF23 6 AP South Glamorgan UK
(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)ANJUM ALAM KHAN</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 :

In view of the foregoing an embodiment herein provides a cloud based integrated cash sheet management system for integrating cash sheet data with accounting & payroll ERP in real-time over a cloud computing environment. The cloud based integrated cash sheet management system includes plurality of store local server placed at various retail store an accounts module responsible for performing day to day accounting activities a payroll module for processing and calculating employee wages a store module responsible for collecting data from the store local server and storing the data in the cloud database a user access control module responsible for controlling access to the system with a set of pre-defined rules; and a database. Further the store local server can also be a cloud based server which is connected to plurality of tills and store terminals for collecting the data automatically from the store terminals.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4547/CHENP/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : GRADUATED COMPRESSION DEVICE FOR THE TREATMENT OF CIRCULATORY DISORDERS

(51) International classification	:A61L15/00
(31) Priority Document No	:61/264,213
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057688
Filing Date	:22/11/2010
(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)CIRCAID MEDICAL PRODUCTS INC.**

Address of Applicant :9323 Chesapeake Drive Suite B-2 San Diego California-92123 U.S.A.

(72)**Name of Inventor :**

**1)LIPSHAW Moses**

**2)RICHARDSON Thomas**

**3)KENNERKNECHT Teresa**

**4)SHAW Sandra Anne**

(57) Abstract :

A therapeutic compression garment including: a body portion; and a spine portion wherein the bands extending from either the body portion and/or spine portion attach the body and spine portions together when the body and spine portions are wrapped around a body limb and wherein the spine portion is releasably attached onto the body portion such that the spine portion is positionable at different locations on the body portion.

No. of Pages : 38 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4548/CHENP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : Method and Apparatus for Condensing Metal and Other Vapours

(51) International classification	:C22B5/10, C22B19/18	(71) <b>Name of Applicant :</b> <b>1)MAGNESIUM SILICA LTD</b> Address of Applicant :PO Box 4301 Town Road Tortola (VG) VIRGIN ISLANDS
(31) Priority Document No	:0918847.5	
(32) Priority Date	:27/10/2009	
(33) Name of priority country	:U.K.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/GB2010/001999	<b>1)FREDERIKSEN Jens Sanderberg</b>
Filing Date	:27/10/2010	<b>2)SAXBY Peter</b>
(87) International Publication No	: NA	<b>3)BOULLE Jean-Raymond</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ODLE Robert R.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention concerns the condensing of vapour phase compounds or elements typically metals such as magnesium obtained by reduction processes. These include metallothermic and carbothermic processes. There is described a method for condensing a metal vapour comprising: providing a gas stream comprising the vapour passing the gas stream into a condensing chamber via a nozzle which has an upstream converging configuration and a downstream diverging configuration so that the metal vapour accelerates into the nozzle and expands and cools on exiting the nozzle thereby inducing the vapour to condense to form a beam of liquid droplets or solid particles in the condensing chamber wherein the beam of droplets or particles is directed to impinge onto a liquid collection medium surface. Apparatus for performing the method is also described.

No. of Pages : 31 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.4549/CHENP/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : METHOD FOR MEASURING THE ANGLES OF MULTIPLE PATHS BY MEANS OF A TWO-WAY RECEIVER

(51) International classification	:G01S3/50	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0905474	<b>1)THALES</b>
(32) Priority Date	:13/11/2009	Address of Applicant :45 rue de Villiers F-92200 Neuilly Sur Seine France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/067229	<b>1)ANNE FERREOL</b>
Filing Date	:10/11/2010	<b>2)BAPTISTE OGGIONI</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 :

Method for determining the angles of arrival or the direction of arrival of the multiple paths associated with a transmitter or source Ei in a system including N receiver antennas characterized in that it includes at least the following steps: effecting a symbol synchronization at the reference antenna (41) and then estimating the passage matrix between the signal  $x_1(nTs)$  received at said reference antenna and the reference symbols  $c_n$ , where TS is the symbol time, constructing two filters that will enable estimation and detection of the symbols on either side of the reference sequence  $d(t)$ , estimating the channel matrix  $A_1.Q.H.$  on each of the switching operations 1 to N from the knowledge of the estimated symbols  $c_n$  and constructing the channel matrix  $A.Q.H.$  where H is the channel matrix defined by where  $x(nTs)$  is the signal received at the N antennas,  $b(nTs)$  is the noise and  $T_p$  are the values of the delays of the reflected paths, estimating the value of the angle  $p$  from the channel matrix  $A.Q.H.$

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.956/CHE/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : RAPID ORALLY DISSOLVING STRIPS OF TADALAFIL

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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)VENKATESH KATAKAM**

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A.I.R. Colony Chintalkunta L.B.Nagar Hyderabad-500074  
Andhra Pradesh India

(72)**Name of Inventor :**

**1)VENKATESH KATAKAM**

**2)K. ADINARAYANA REDDY**

(57) Abstract :

The Present invention relates to the rapid orally dissolving strips of Tadalafil or pharmaceutically acceptable salts thereof comprising Tadalafil or pharmaceutically acceptable salts thereof water soluble polymeric component and at least one pharmaceutically acceptable excipient wherein the rapidly orally dissolving strips of Tadalafil or pharmaceutically acceptable salts thereof disintegrate rapidly in less than 30 seconds when placed on the tongue.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.975/CHE/2012 A

(43) Publication Date : 20/09/2013

---

(54) Title of the invention : A METHOD FOR QUICK START OF A SINGLE CYLINDER ENGINE

(51) International classification

:F02B

(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)ROBERT BOSCH ENGINEERING AND BUSINESS  
SOLUTIONS LIMITED**

Address of Applicant :123, INDUSTRIAL LAYOUT,  
HOSUR ROAD, KORAMANGALA, BANGALORE - 560 095  
Karnataka India

**2)BOSCH LIMITED**

**3)ROBERT BOSCH GMBH**

(72)Name of Inventor :

**1)AJAY SHETTY**

**2)PRADEEP R**

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(57) Abstract :

The present invention discloses a method for starting a single cylinder engine. In accordance with the present method engine start can be achieved by determining the engine TDC (top dead center) from a crank sensor and determining the phase of the engine using the vehicle battery voltage pattern. The battery voltage pattern shows a dip during the compression stroke this is used for determining phase and on second dip in battery voltage fuel is injected and ignited. This method helps in quick start of the engine as compared to presently known techniques.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2008

(21) Application No.3718/CHENP/2008 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR RECORDING EDITS TO MEDIA CONTENT

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(51) International classification	:H04N5/95
(31) Priority Document No	:60/758,664
(32) Priority Date	:13/01/2006
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2007/060530
Filing Date	:12/01/2007
(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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(71)Name of Applicant :

1)Yahoo! Inc

Address of Applicant :#701 First Avenue Sunnyvale California United States of America

(72)Name of Inventor :

1)Michael George Folgner

2)Ryan Brice Cunningham

(57) Abstract :

A method comprising: editing a low-resolution media asset, the low-resolution media asset corresponding to a master high-resolution media asset; generating an edit specification based on the editing of the low-resolution media asset; and applying the edit specification to the master high-resolution media asset to create an edited high-resolution media asset.

No. of Pages : 43 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/07/2008

(21) Application No.3719/CHENP/2008 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ONLINE REMIXING OF DIGITAL MULTIMEDIA

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(51) International classification	:G06F7/00
(31) Priority Document No	:60/758,664
(32) Priority Date	:13/01/2006
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2007/060525
Filing Date	:12/01/2007
(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

---

(71)Name of Applicant :

1)Yahoo! Inc.

Address of Applicant :#701 First Avenue Sunnyvale California U.S.A.

(72)Name of Inventor :

1)Michael George Folgner

2)Ryan Brice Cunningham

(57) Abstract :

A method for editing a low-resolution media asset to generate a high-resolution edited media asset, comprising: receiving a request to edit a first high-resolution media asset from a requestor; transmitting a low-resolution media asset to the requestor, the low-resolution media asset based upon the first high-resolution media asset; receiving from the requestor an edit instruction associated with the low-resolution media asset; and generating a second high-resolution media asset based upon the first high-resolution media asset and the edit instruction associated with the low-resolution media asset.

No. of Pages : 43 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.281/KOL/2012 A

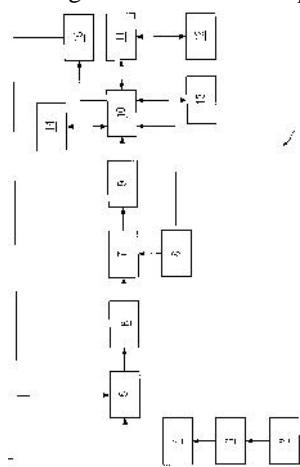
(43) Publication Date : 20/09/2013

(54) Title of the invention : A SYSTEM AND A METHOD FOR ANALYZE AN IMAGE

(51) International classification	:H04N005/228	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:NA	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:NA	MÜNCHEN GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AMIT KALE</b>
(87) International Publication No	: NA	<b>2)RAHUL THOTA</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 (1) to analyze an image (2) including a point selector (3) for receiving the image (2) and identifying a set of points (4) on the image (2), a region selector (5) for dividing area around the point into various regions (6), an entropy measurement module (7) for varying a scale (8) of each region (6) and measuring an entropy (9) of each region (6) at various scales (8), and a processor (10) for receiving the entropies (9) of each region (6) at various scales (8) for identifying a maximum entropy (11) of each region (6) and storing the maximum entropy (11) in a database (12).



No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2012

(21) Application No.1233/KOL/2012 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : STRADDLE-TYPE VEHICLE

(51) International classification	:B62J17/00	(71) <b>Name of Applicant :</b> <b>1)YAMAHA HATSUDOKI KABUSHIKI KAISHA,</b> Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA-KEN,438-8501, JAPAN
(31) Priority Document No	:2012-059426	
(32) Priority Date	:15/03/2012	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b> <b>1)TAISUKE WAKANO,</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 fuel hose has a portion (hose rear portion) extending from a fuel discharge portion of a fuel tank toward a rear frame. A storing box includes a clamp located laterally from the fuel tank and clamping the hose rear portion of the fuel hose at a position located upward away from the rear frame . This structure can prevent position change of the fuel hose even when the distance between the fuel discharge portion provided on the upper surface of the fuel tank and a vehicle body frame is long.

No. of Pages : 60 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2013

(21) Application No.250/KOL/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : METHOD FOR MACHINING A WORKPIECE

(51) International classification	:B23P23/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP12159484	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:14/03/2012	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EPO	MÜNCHEN, GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RICHARD SCHAFFELD</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 method for machining a workpiece (4). An end face gearing (8) is created on the end face (7) of the workpiece (4) by hob peeling. The workpiece (4) is rotated about the Z axis in relation to a coordinates system with X, Y and Z axes arranged perpendicularly to one another. During the creation of the end face gearing (8) the feed direction of the hob peeling tool (5) encloses, with the axis of rotation (10) of the hob peeling tool (5), a first angle ((3) which is greater than 0° and less than 35° and in particular lies in the range between 15° and 25°. The hob peeling tool (5) is arranged in the X-Z plane at a second angle (a) to the X axis which is greater than 0° and less than 20°.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.296/KOL/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : AN ELECTROCHEMICAL PROCESS AND SYSTEM OF PRE-TREATMENT OF COKE OVEN EFFLUENT /WASTEWATER FOR REDUCTION IN RECALCITRANCE.

(51) International classification	:H01M 4/48	(71) <b>Name of Applicant :</b> <b>1)STEEL AUTHORITY OF INDIA LIMITED</b> Address of Applicant :RESEARCH & DEVELOPMENT CENTRE FOR IRON & STEEL, DORANDA, RANCHI-834002 Jharkhand 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>
(87) International Publication No	: NA	<b>1)MITRA MAZUMDER SUBHAJIT</b>
(61) Patent of Addition to Application Number Filing Date	:NA	<b>2)MAHESHWARI GHANSHYAM DAS</b>
(62) Divisional to Application Number Filing Date	:NA	<b>3)SATYA PRAKASH</b>
		<b>4)TIWARI SATYENDRA NATH</b>
		<b>5)CHOUBEY MUKTESHWAR</b>

(57) Abstract :

A system and a method for treatment of coke oven effluent/waste water are disclosed. More particularly, the present invention is directed to a system involving reactor with special electrodes with selective spacing and provided with stirrer and vibrator for carrying out electrochemical process for pre treatment of coke oven plant effluent before biological treatment involving combination of coagulation and oxidation and wherein for the purposes of coagulation the release of ions is controlled based on the target effluent treatment requirement, to enhance the effectiveness of biological treatment process. The electrochemical pretreatment process according to the present invention favors removing recalcitrant toxic constituents including long chain organic and organometallic compounds from waste water by coagulation and sedimentation. Importantly, flocs formed by the process are similar to chemical floc, except that this floc tends to be much larger, contains less bound water, is acid-resistant and more stable, and therefore, can be separated faster by filtration.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/01/2013

(21) Application No.79/KOL/2013 A

(43) Publication Date : 20/09/2013

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(54) Title of the invention : SUB HEADLIGHT UNIT, METHOD FOR CONTROLLING A SUB HEADLIGHT UNIT AND SUB HEADLIGHT SYSTEM FOR USE IN VEHICLE THAT LEANS INTO TURNS,AND VEHICLE THAT LEANS INTO TURNS

(51) International classification	:B60Q1/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2012-062378	<b>1)YAMAHA HATSUDOKI KABUSHIKI KAISHA</b> Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA 438-8501, JAPAN
(32) Priority Date	:19/03/2012	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)JUNICHI OOBA</b> <b>2)TAKESHI IKEDA</b> <b>3)YASUHIKO KINO</b> <b>4)MAKOTO KOSUGI</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	

(57) Abstract :

A sub headlight unit for use in a vehicle that leans into turns includes a plurality of sub headlight light sources for illuminating, at one side with respect to a width direction of the vehicle, an area ahead and outward of the vehicle with respect to the width direction of the vehicle. The brightness of the sub headlight light source changes in accordance with a lean angle of the vehicle. When the lean angle of the vehicle reaches a reference value that is individually set for each of the sub headlight light sources, the sub headlight light source exhibits a predetermined brightness. The reference values are greater than 0° and different from one another. The reference values are set to be values sequentially increasing at intervals from 0° such that the interval is smaller as the reference value is greater.

No. of Pages : 62 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2013

(21) Application No.297/KOL/2013 A

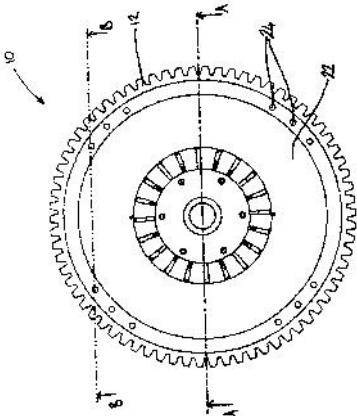
(43) Publication Date : 20/09/2013

(54) Title of the invention : CLUTCH ASSEMBLY

(51) International classification	:F16D21/02	(71)Name of Applicant :
(31) Priority Document No	:GB1204604.1	1)SMART MANUFACTURING TECHNOLOGY
(32) Priority Date	:15/03/2012	LIMITED
(33) Name of priority country	:U.K.	Address of Applicant :CHARTWELL HOUSE 67-69
(86) International Application No	:NA	HOUNDS GATE NOTTINGHAM NOTTINGHAMSHIRE NG1
Filing Date	:NA	6BB U.K.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DENNIS REDMOND
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A clutch assembly having a pressure plate, a clutch plate and a flywheel. The pressure plate is arranged for clamping the clutch plate against the flywheel. At least one of said pressure plate, clutch plate and flywheel comprises friction material, and the friction material comprises a replaceable insert or lining.



No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.304/KOL/2012 A

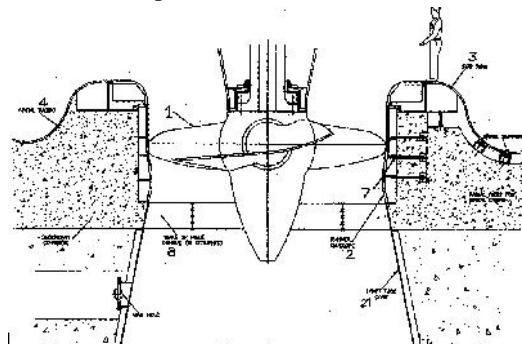
(43) Publication Date : 20/09/2013

(54) Title of the invention : A METHOD FOR EASY REPLACEMENT OF RUNNER ENVELOPE OF HYDROTURBINE (KAPLAN TURBINE)

(51) International classification	:H02K 27/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHARAT HEAVY ELECTRICALS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :BHARAT HEAVY ELECTRICALS
(33) Name of priority country	:NA	LIMITED REGIONAL OPERATIONS DIVISION(ROD), PLOT
(86) International Application No	:NA	NO:9/1, DJBLOCK 3RD FLOOR,
Filing Date	:NA	KARUNAMOYEE,SALT LAKE CITY, KOLKATA-700091,
(87) International Publication No	: NA	HAVING ITS REGISTERED OFFICES AT BHEL HOUSE, SIRI
(61) Patent of Addition to Application Number	:NA	FORT, NEW DELHI - 110049, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	<b>1)KARRI PRASAD</b>
Filing Date	:NA	<b>2)HAKIM SINGH MAHORE</b>
		<b>3)SHIVENDRA KUMAR</b>
		<b>4)ANUJ RAIZADA</b>

(57) Abstract :

The invention is about the method for easy replacement of runner envelope (2) of Kaplan type hydro turbine comprising; cutting the make up piece (8) to facilitate easy removal of the runner envelope (2); removing the packed sand (25) by high pressure water jets (24); removing the worn out runner envelope (2); replacing by a new runner envelope (2); positioning the runner envelope (2) firmly with the help of screw jacks (6) and tie rods (7); fixing the runner envelope (2) with the make up piece (8) by welding; Pouring the sand and water mixture through the hole (26) in the stayring bottom flange (16) in the annular space (18) between the outer diameter (14) of runner envelope (2) and the inner diameter (15) of cylindrical structure (12); Providing a manhole (9) in the stayring bottom flange (16) for large turbine and hole (13) in the case of smaller turbines for ramming and compacting sand in the annular space (18) around the runner envelope (2); Providing a baffle plate (10) at the make up piece with a hole (19) for draining out the water while retaining the sand by the baffle plate (10); Plugging the drain hole (19) by welding after bulk of the water is drained out; providing small slits (20) at the junction of make up piece (8) and draft tube cone (21) to totally drain out water; closing the slits (20) by welding; wherein the sand water mixture is disposed around the runner envelope (2) and rammed to have a compact sand around the runner envelope (2).



(12) PATENT APPLICATION PUBLICATION

(21) Application No.209/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/02/2013

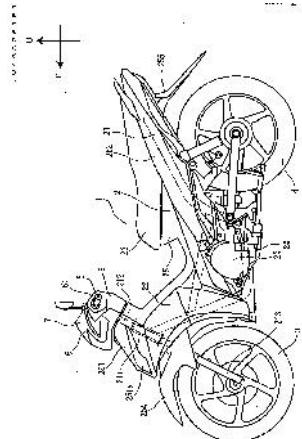
(43) Publication Date : 20/09/2013

(54) Title of the invention : SADDLE RIDING TYPE VEHICLE

(51) International classification	:F01N13/00	(71)Name of Applicant :
(31) Priority Document No	:2012-059332	<b>1)YAMAHA HATSUDOKI KABUSHIKI KAISHA</b> Address of Applicant :2500 SHINGAI, IWATA-SHI, SHIZUOKA 438-8501, JAPAN
(32) Priority Date	:15/03/2012	
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	<b>1)KYOHEI YAGI</b> <b>2)MASATO ENDO</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 saddle riding type vehicle having a structure that supports a handle and a pulley with a reduced number of parts is provided. A handle cover 6 includes first and second covers and a pulley cover 9. The first cover covers one side of a front or rear part of a handle 5. The second cover covers the other side of the front or rear part of the handle 5. The pulley cover 9 is provided in a space surrounded by the first and second covers. The first cover is provided with a pulley providing groove 822 that covers a part of the pulley 513. The pulley 513 is provided in the pulley providing groove 822. The pulley cover 9 is provided on a side where the second cover is provided to the first cover, attached to the first cover, and covers the pulley 513 together with the pulley providing groove 822.



No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.286/KOL/2012 A

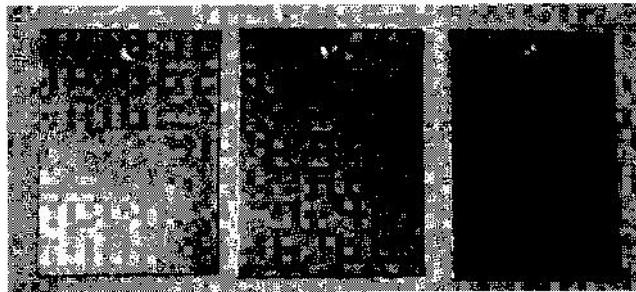
(43) Publication Date : 20/09/2013

(54) Title of the invention : A PROCESS FOR IMPROVING THE ZINC WETTABILITY OF ADVANCED HIGH STRENGTH STEELS (AHSS)

(51) International classification	:C22C 38/28	(71) <b>Name of Applicant :</b> <b>1)TATA STEEL LIMITED</b> Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-831001, Jharkhand 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. AKSHYA KUMAR GUIN</b> <b>2)MR. MANISH KUMAR BHADU</b> <b>3)MR. ABHISHEK SUBASH PATHAK</b> <b>4)MS. VEENA KUMARI SINGH</b> <b>5)MR. MONOJIT DUTTA</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 a process for improving the zinc wettability of Advanced High Strength Steels (AHSS), comprising the steps of cleaning an AHSS by successive steps of alkali cleaning and acid pickling; applying an intermediate chemical pretreatment layer on the cleaned surface of the AHSS; allowing the coated AHSS to undergo an annealing step for about 10 seconds under a full nitrogen environment by supplying nitrogen gas; and hot-dip galvanizing of the annealed AHSS, wherein the intermediate pretreatment layer constitutes a solution comprising a silane compound selected from a group consisting of Tetraethyl orthosilicate, Methyl Triethoxy silane, gamma propyl trimethoxy silane, methyl hydrogen polysiloxane, Mercapto derivatives, which is mixed with deionised water as additive with 0.05 to 2% aqueous concentration, and in that the cleaned AHSS is dipped (or spray) in the solution for about 10-15 seconds followed by hot air drying for about 20-30 seconds.



No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2012

(21) Application No.303/KOL/2012 A

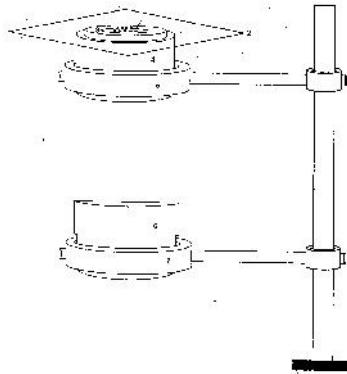
(43) Publication Date : 20/09/2013

(54) Title of the invention : A DEVICE AND A PROCESS FOR DETECTION OF NUCLEATION STAGE OF VAPOUR BUBBLES FORMED DURING BOILING OF NANOFUIDS

(51) International classification	:F01P 11/16	(71)Name of Applicant : <b>1)TATA STEEL LIMITED</b> Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-831001, Jharkhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72)Name of Inventor : <b>1)DR. SHYAM KUMAR CHOUDHARY</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 a device for detection of nucleation stage of vapour bubbles formed during boiling of nanofuids, comprising a transparent glass plate supported over a metal ring; the metal ring holding a droplet of nanofluid, and disposed over a heater such that a substantial portion of the metal ring inserted tightly inside the heater, a smaller portion of the metal ring being exposed outside the heater; a high-speed camera with frame speed of at least 150 f/s mounted vertically downward to said glass plate; wherein when the heating temperature by the heater progressively increased, a thermal radial gradiant at the contact area between the glass plate and the metal ring is generated, and wherein the transparent layer on said glass plate minimizes the thermal radial gradiant allowing capturing the images of the vapour bubbles at the nucleation stage.



No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.299/KOL/2012 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : A WIRELESS COMMUNICATION SYSTEM FOR COMMUNICATIONS BETWEEN ESP CONTROLLERS AND A CENTRALIZED MONITORING AND CONTROL SYSTEM

(51) International classification

:H04L

29/06

(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

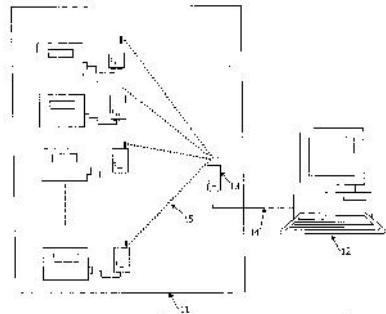
:NA

Filing Date

:NA

(57) Abstract :

The invention relates to a wireless communication system for communications between ESP controllers and a centralized monitoring and control system, the system comprising a plurality of ESP controllers having corresponding wireless interface modules to enable the ESP controllers to the central monitoring and control system over wireless; a centralized monitoring and control system capable of monitoring status and initiating control of the ESP controllers; a central access point connected to the centralized monitoring and control system; and wherein the wireless interface modules are enabled to configure itself as a wireless interface module or the central access point based on the device to which it is connected.



No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.284/KOL/2012 A

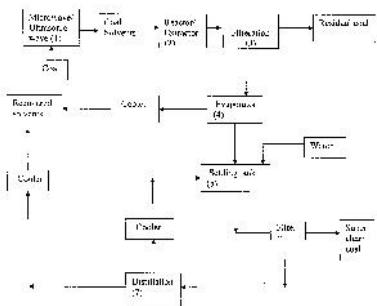
(43) Publication Date : 20/09/2013

(54) Title of the invention : A PROCESS FLOW SHEET FOR PRE-TREATMENT OF HIGH ASH COAL TO PRODUCE CLEAN COAL ACCORDING TO THE INVENTION

(51) International classification	:C10L 1/32	(71) <b>Name of Applicant :</b> <b>1)TATA STEEL LIMITED</b> Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-831001, Jharkhand 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)MR. VIMAL KUMAR CHANDALIYA</b> <b>2)MR. P.K. BANERJEE</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 invention relates to a process for treating coal to obtain lower ash content coal comprising (i) pretreating high ash coal in a pretreatment unit with ultrasonic wave or with microwave, (ii) forming a slurry of coal fines in a N-Methyl-2-pyrrolidone (NMP) with an amount of Ethylenediamine (EDA) or Monoethanolamine (MEA), NMP and EDA or MEA ratio may vary 1:1 to 20:1 solution, said slurry containing about 10 to 25 ml of solution per g of coal, (iii) maintaining said slurry in refluxed condition at a temperature of about 170-190°C for a period of about 15 minutes to 2 hours; (iv) separating the refluxed solution in two parts by coarse filtration at 0.025 mm filter cloth consisting of filtrate or extract and the residue, (v) recovering the solvent up to 85% by evaporation of the extract, (vi) precipitating the coal by adding water in concentrated extract, (vi) separating the coal by filtration, said coal having a reduced ash content and (vii) recovering the rest of the solvent by distillation of water-solvent solution.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2013

(21) Application No.318/KOL/2013 A

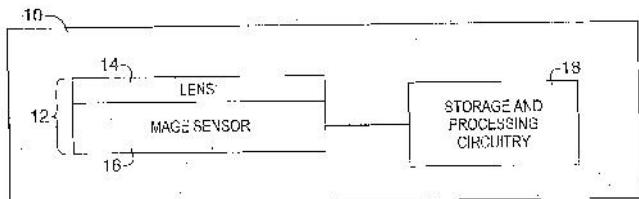
(43) Publication Date : 20/09/2013

(54) Title of the invention : IMAGING SYSTEMS WITH CLEAR FILTER PIXELS

(51) International classification	:G06K9/20	(71)Name of Applicant :
(31) Priority Document No	:61/612,819	<b>1)APTINA IMAGING CORPORATION</b>
(32) Priority Date	:19/03/2012	Address of Applicant :WALKER HOUSE, 87 MARY
(33) Name of priority country	:U.S.A.	STREET, GEORGE TOWN, GRAND CAYMAN, CAYMAN
(86) International Application No	:NA	ISLAND KY1-9002 CAYMAN ISLAND
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MLINAR Marko</b>
(61) Patent of Addition to Application Number	:NA	<b>2)KEELAN Brian</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An image sensor may have an array of image sensor pixels arranged in color filter unit cells each having one red image pixel that generates red image signals, one blue image pixel that generate blue image signals, and two clear image sensor pixels that generate white image signals. The image sensor may be coupled to processing circuitry that performs filtering operations on the red, blue, and white image signals to increase noise correlations in the image signals that reduce noise amplification when applying a color correction matrix to the image signals. The processing circuitry may extract a green image signal from the white image signal. The processing circuitry may compute a scaling value that includes a linear combination of the red, blue, white and green image signals. The scaling value may be applied to the red, blue, and green image signals to produce corrected image signals having improved image quality.



No. of Pages : 39 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2013

(21) Application No.288/KOL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : ELECTRIC PIPETTING APPRATUS, AND METHOD FOR OPERATING AN ELECTRIC PIPETTING APPRATUS

(51) International classification	:B65G47/86	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/613,020	<b>1)EPPENDORF AG</b>
(32) Priority Date	:20/03/2012	Address of Applicant :BARKHAUSENWEG 1, D-22339 HAMBURG, GERMANY
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ANDRES, KARL-FRIEDRICH</b>
Filing Date	:NA	<b>2)JACOBI, JANINE</b>
(87) International Publication No	: NA	<b>3)MOLITOR, PETER</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SCHMIDT, PETER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a pipetting apparatus, for performing an at least partially electrically controlled pipetting process on at least one fluid laboratory sample in accordance with at least one mode of operation of the pipetting apparatus, having an electric control device for controlling the pipetting process, said control device being able to be controlled by an operating parameter set which is able to be stipulated by a user and which is associated with a mode of operation and respectively comprises at least one operating parameter, wherein the user stipulates the operating parameter by selecting the desired value of the operating parameter as a parameter value and in this way determining a parameter value set having at least one parameter value, at least one operator control device for the stipulation of the operating parameter set by the user, an electric memory device for storing the at least one parameter value set, wherein the electric control device is designed to automatically store the at least one parameter value set determined by the user, and associated with the operating parameter set for a mode of operation, as at least one historic parameter value set for this mode of operation in the memory device, and is designed to provide, after the operating parameter set for this mode of operation has changed, the at least one automatically stored historic parameter value set for this mode of operation again for the subsequent control of the at least one, same, pipetting process. The invention also relates to a method for operating the pipetting apparatus.

No. of Pages : 38 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.285/KOL/2012 A

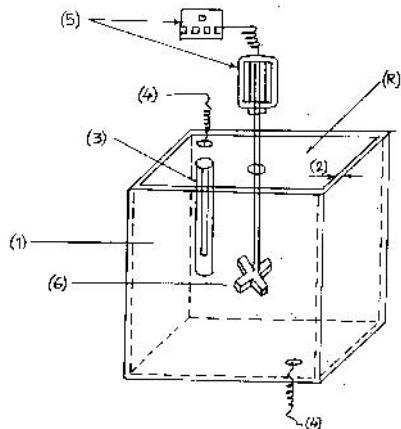
(43) Publication Date : 20/09/2013

(54) Title of the invention : A SYSTEM FOR MIXED CONVECTIVE HEAT TRANSFER IN A RESERVOIR AUGMENTED BY APPLICATION OF ULTRASONIC WAVE

(51) International classification	:A61N 1/30	(71)Name of Applicant : <b>1)TATA STEEL LIMITED</b> Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- 831001, Jharkhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72)Name of Inventor : <b>1)MS. SUDIPTA SIKDAR</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 a system for mixed convective heat transfer in a reservoir augmented by application of ultrasonic wave, a heat reservoir having at least one chamber, the chamber accommodating water for heating by a heater; a heating means for heating the water; a transducer disposed external to the reservoir, and operably connected to an ultrasound generator; at least one each RTD is disposed on the top and bottom of the reservoir to measure water temperature at several time intervals; and a controller is provided to regulate the heating means corresponding to temperature exhibited by the RTDs and a threshold value of temperature pre-stored.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2013

(21) Application No.289/KOL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : TONER, DEVELOPER, PROCESS CARTRIDGE, AND IMAGE FORMING APPARAUTS

(51) International classification	:G03G15/08
(31) Priority Document No	:2012-058783
(32) Priority Date	:15/03/2012
(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)RICOH COMPANY, LTD.**

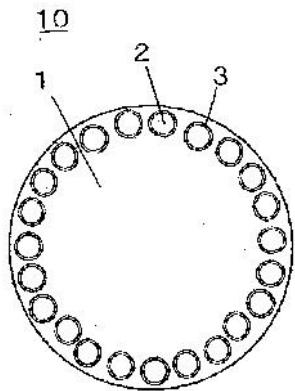
Address of Applicant :3-6, NAKAMAGOME 1-CHOME,  
OHTA-KU, TOKYO, JAPAN

(72)Name of Inventor :

- 1)INOUE RYOTA**
- 2)KATO HIROAKI**
- 3)SEKI MASAHIRO**
- 4)SAITO SHUN**
- 5)SEKIGUCHI YOSHITAKA**
- 6)MIKURIYA YOSHIHIRO**
- 7)FUWA KAZUOKI**
- 8)OGAWA SATOSHI**
- 9)FUKAO TOMOHIRO**
- 10)NAKAMURA TAKAYUKI**

(57) Abstract :

A toner, including: a binder resin; releasing agent-encapsulating capsules; and a colorant, wherein the releasing agent-encapsulating capsules each include: a capsule formed of a resin (I) which is different from the binder resin; and a releasing agent (RA) which is encapsulated in the capsule, and the releasing agent-encapsulating capsules exist in the binder resin, and wherein 50% to 100% of the releasing agent-encapsulating capsules exist in a region from a surface of the toner to a depth of 0.10 times a volume-average particle diameter of the toner.



No. of Pages : 176 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.306/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013

(43) Publication Date : 20/09/2013

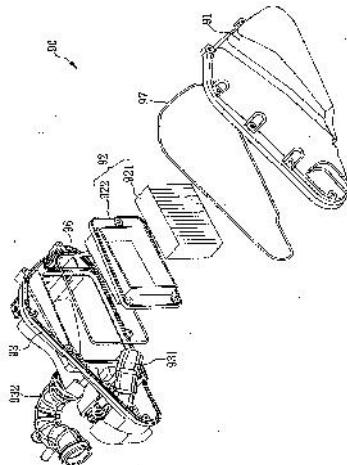
(54) Title of the invention : AIR CLEANER FOR VEHICLES.

(51) International classification	:B62J37/00	(71)Name of Applicant :
(31) Priority Document No	:101109465	<b>1)SANYANG INDUSTRY CO.LTD.</b>
(32) Priority Date	:20/03/2012	Address of Applicant :184 KENG TZU KOU, SHANG KENG VILLAGE, HSIN FONG SHIANG, HSINCHU, TAIWAN
(33) Name of priority country	:Taiwan	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)WANG YU-YING</b>
(87) International Publication No	: NA	<b>2)CHOU PO-YU</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HSIEH JUNG-LING</b>
Filing Date	:NA	<b>4)CHEN HSIEN-LUNG</b>
(62) Divisional to Application Number	:NA	<b>5)CHAN CHING-CHI</b>
Filing Date	:NA	<b>6)HWANG MING-DAR</b>
		<b>7)HUNG WEI-JIN</b>

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(57) Abstract :

An air cleaner for vehicles includes a hollow housing, an outlet tube, a filter assembly, a casing, and an inlet tube. The hollow housing is, at inside, formed with a second chamber, and is provided with an opening and an air outlet. The outlet tube is connected with the air outlet of the hollow housing. The filter assembly is fastened to the opening of the hollow housing. The casing is provided with an air inlet, and is fastened to the hollow housing so as to form a first chamber. The inlet tube is connected to the air inlet of the casing. As such, the air outlet and the air inlet are arranged separately in the hollow housing and the casing. Since there is no need to retain an arranging space for the inlet tube, the space of the second chamber where the air outlet is located can be increased. This will overcome the defect of the conventional art which has a smaller dimension for the chamber where the air outlet is located, causing an insufficient intake when a prompt intake is required, and adversely affecting performance of the engine.



No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/02/2013

(21) Application No.153/KOL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SYSTEM FOR DETERMINING SULFUR STORAGE OF AFTERTREATMENT DEVICES

(51) International classification

:F01N11/00

(31) Priority Document No

:13/423617

(32) Priority Date

:19/03/2012

(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

(71)Name of Applicant :

**1)GM GLOBAL TECHNOLOGY OPERATIONS LLC**

Address of Applicant :300 GM RENAISSANCE CENTER,  
DETROIT, MICHIGAN 48265-3000, U.S.A.

(72)Name of Inventor :

**1)SARAH FUNK**

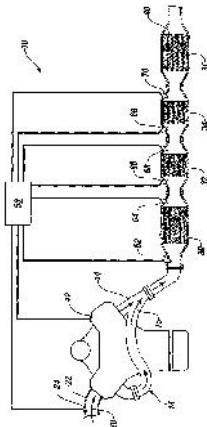
**2)REBECCA J. DARR**

**3)PAUL JASINKIEWICZ**

**4)AMR RADWAN**

(57) Abstract :

An exhaust gas treatment system for an internal combustion engine for determining a total amount of sulfur that is stored on at least one aftertreatment device is provided. The exhaust gas treatment system includes a control module that monitors operation of the internal combustion engine for an amount of fuel consumed and an amount of oil consumed by the internal combustion engine. The control module includes a sulfur adsorption module and a total sulfur storage module. The sulfur adsorption module determines a rate of sulfur adsorption in at least one aftertreatment device. The rate of sulfur adsorption is based on the amount of fuel consumed and the amount of oil consumed. The total sulfur storage module is in communication with the sulfur adsorption module. The total sulfur storage module determines the total amount of sulfur stored based on the rate of sulfur adsorption.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2012

(21) Application No.1211/KOL/2012 A

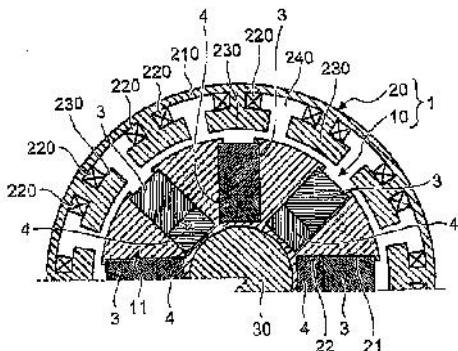
(43) Publication Date : 20/09/2013

(54) Title of the invention : ROTOR AND ROTATING ELECTRICAL MACHINE

(51) International classification	:H02K5/00	(71)Name of Applicant :
(31) Priority Document No	:2012-061829	1)KABUSHIKI KAISHA YASKAWA DENKI
(32) Priority Date	:19/03/2012	Address of Applicant :2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806- 0004 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:NA :NA	1)KOGA MITSUHIRO 2)NAKAZONO KENSUKE
(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 rotor according to an embodiment includes a cylindrical rotor core in which a plurality of magnet embedding grooves are radially arranged, ferrite magnets, and samarium-based magnets. The ferrite magnets and the samarium-base magnets are arranged in juxtaposition in a radial direction in the magnet embedding grooves provided on the rotor.



No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/01/2013

(21) Application No.117/KOL/2013 A

(43) Publication Date : 20/09/2013

(54) Title of the invention : SUB HEADLIGHT UNIT AND SUB HEADLIGHT SYSTEM FOR USE IN VEHICLE THAT LEANS INTO TURNS, AND VEHICLE THAT LEANS INTO TURNS

(51) International classification	:F21S8/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2012-062377	<b>1)YAMAHA HATSUDOKI KABUSHIKI KAISHA</b> Address of Applicant :2500, SHINGAI,IWATA-SHI, SHIZUOKA 438-8501 JAPAN
(32) Priority Date	:19/03/2012	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)JUNICHI OOBA</b> <b>2)TAKESHI IKEDA</b> <b>3)YASUHIKO KINO</b> <b>4)MAKOTO KOSUGI</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 :

[Problem]To provide a sub headlight unit for use in a vehicle that leans into turns, by which illumination ranges suitable for a wide variety of running scenes are obtained with suppression of a size increase.[Solution] A sub headlight unit for use in a vehicle that leans into turns includes a plurality of sub headlight light sources for illuminating, at one side with respect to a width direction of the vehicle, an area ahead and outward of the vehicle with respect to the width direction of the vehicle, The brightness of the sub headlight light source changes in accordance with a lean angle of the vehicle. When the lean angle of the vehicle reaches a reference value that is individually set for each of the sub headlight light sources, the sub headlight light source exhibits a predetermined brightness. As the reference value set for the sub headlight light source is greater, an outer edge of an illumination range of the sub headlight light source having a predetermined illuminance is located more outward with respect to the width direction of the vehicle in a plan view.

No. of Pages : 59 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.164/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/02/2013

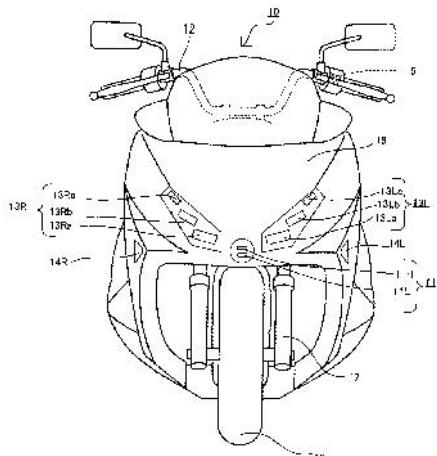
(43) Publication Date : 20/09/2013

(54) Title of the invention : SUB HEADLIGHT UNIT AND SUB HEADLIGHT SYSTEM FOR USE IN VEHICLE THAT LEANS INTO TURNS, AND VEHICLE THAT LEANS INTO TURNS, AND METHOD FOR CONTROLLING LIGHT EMISSION OF A SUB HEADLIGHT UNIT

(51) International classification	:F21S8/10	(71) Name of Applicant :
(31) Priority Document No	:2012-062379	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500, SHINGAI, IWATA-SHI, SHIZUOKA 4388501, JAPAN
(32) Priority Date	:19/03/2012	(72) Name of Inventor :
(33) Name of priority country	:Japan	1)TAKESHI IKEDA
(86) International Application No	:NA	2)YASUHIKO KINO
Filing Date	:NA	3)TAKEHIRO INOUE
(87) International Publication No	: NA	4)MAKOTO KOSUGI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A sub headlight unit for use in a vehicle that leans into turns includes a sub headlight light source that illuminates an area ahead and outward of the vehicle with respect to a width direction of the vehicle. The sub headlight light source is configured to, when the vehicle is in an upright state, produce an illumination range including a space above a horizontal plane. The sub headlight light source is turned on in accordance with a lean angle of the vehicle. At a time of parking or stopping or at a time of running straight ahead, the sub headlight light source is turned on or caused to flash with the amount of light per unit time being reduced as compared with the amount of light per unit time emitted when the sub headlight light source is turned on in accordance with the lean angle of the vehicle.



No. of Pages : 42 No. of Claims : 15

## **AMENDMENT UNDER SECTION 57, KOLKATA**

**In pursuance of leave granted under Section 57 of the Patent Act 1970 the address of the patentee in respect of Patent No.232525 has been amended to :-**

**BROWN BOVERI STRASSE 7, 5401 Baden, Switzerland.**

## 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	257213	3713/DELNP/2004	29/05/2003	06/06/2002	WLAN AS A LOGICAL SUPPORT NODE FOR HYBRID COUPLING IN AN INTERWORKING BETWEEN WLAN AND A MOBILE COMMUNICATIONS STSTEM	M/S. THOMSON LICENSING S.A.	20/11/2009	DELHI
2	257215	2592/DELNP/2008	06/10/2006	06/10/2005	USE OF LACTOBACILLUS FOR TREATMENT OF AUTOIMMUNE DISEASES	PROBI AB	04/07/2008	DELHI
3	257219	4386/DELNP/2006	08/02/2005	10/02/2004	COMPOSITION CONTAINING CIS-ISOMERS OF A CAROTENOID COMPOUND AND PROCESS	NESTEC S.A.	15/06/2007	DELHI
4	257220	5694/DELNP/2005	14/09/1999	15/09/1998	A SYSTEM FOR PROVIDING PRE-AUTHORIZED COMMUNICATION SERVICES	UPAID SYSTEMS LTD.,NA,NA	09/05/2008	DELHI
5	257223	2850/DELNP/2007	19/10/2005	29/10/2004	METHOD FOR THE MANUFACTURE OF EXTENDED STEEL PRODUCTS	AGA AB	03/08/2007	DELHI
6	257228	399/DELNP/2008	15/06/2006	15/06/2005	STEREOSELECTIVELY PREPARING TRANS-AMINOCYCLOHEXYL ETHER COMPOUNDS	CARDIOME PHARMA CORP.	01/08/2008	DELHI
7	257229	5173/DELNP/2006	01/03/2005	12/03/2004	N1- ((PYRAZOL-1-YMETHYL)-2-METHYLPHENYL)-PHATALAMIDE DERIVATIVES OF FORMULA (I)	BAYER CROPSCIENCE AG	03/08/2007	DELHI
8	257232	6112/DELNP/2007	07/02/2006	07/02/2005	PRINTER ARRANGEMENT AND METHOD OF MANUFACTURE	XAAR TECHNOLOGY LIMITED	17/08/2007	DELHI
9	257246	8257/DELNP/2007	20/04/2006	22/04/2005	MAMMALIAN EXPRESSION VECTOR COMPRISING THE mCMV PROMOTER AND FIRST INTRON OF hCMV MAJOR IMMEDIATE EARLY GENE	LONZA BIOLOGICS PLC.	23/11/2007	DELHI

10	257252	5962/DELNP/2005	01/07/2004	03/07/2003	PROCESS FOR THE PREPARATION OF CEPHRADINE	DSM SINOCHEM PHARMACEUTICALS NETHERLANDS B.V.	09/05/2008	DELHI
11	257253	2547/DELNP/2006	14/10/2004	16/10/2003	CATHETER SYSTEM FOR STENTING BIFURCATED VESSELS	MINVASYS	24/08/2007	DELHI
12	257255	3866/DELNP/2007	28/11/2005	29/11/2004	SYSTEM AND METHOD FOR SUPPORTING GAN SERVICE REQUEST CAPABILITY IN A WIRELESS USER EQUIPMENT (UE) DEVICE	RESEARCH IN MOTION LIMITED	31/08/2007	DELHI
13	257256	854/DEL/2007	18/04/2007 15:03:36	21/04/2006	METHOD AND APPARATUS FOR EXTENDING BATTERY LIFE BY ADAPTIVE CONTROL OF REGULATORS	DELL PRODUCTS L.P.	02/11/2007	DELHI
14	257260	9333/DELNP/2007	31/05/2006	31/05/2005	CONTROL OF MORPHOLOGY OF SILICA FILMS	BRISMAT INC.	27/06/2008	DELHI
15	257261	2339/DELNP/2006	28/10/2004	28/10/2003	BIOMATERIALS	CAMBRIDGE ENTERPRISE LIMITED	03/08/2007	DELHI
16	257262	2717/DELNP/2005	18/12/2003	24/12/2002	PROCESS FOR PREPARING PHOSPHORODIAMIDITES	RHODIA CONSUMER SPECIALTIES LIMITED	20/04/2007	DELHI
17	257271	4194/DELNP/2004	30/06/2003	28/06/2002	A REDIRECTION MANAGEMENT METHOD FOR AN OPC SYSTEM	HONEYWELL INTERNATIONAL INC.	20/11/2009	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.**

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	257214	1391/MUMNP/2008	28/12/2006	29/12/2005	CIRCUIT FOR TRANSMITTING AN AMPLIFIED RESONANT POWER TO LOAD	LEE, KWANG-JEEK	17/10/2008	MUMBAI
2	257225	1360/MUM/2008	30/06/2008	04/07/2007	APPARATUS FOR LINEAR ILLUMINATION OF A MOVING PRODUCT WEB	TEXMAG GMBH VERTRIEBSGESELLSCHAFT	19/06/2009	MUMBAI
3	257226	1670/MUM/2008	05/08/2008 15:59:56	16/08/2007	ELECTRIC MACHINE WITH A WINDING FOR PRODUCING A ROTATING FIELD AND METHOD FOR PRODUCING THE WINDING	OERLIKON TEXTILE GMBH & CO. KG	05/06/2009	MUMBAI
4	257227	461/MUMNP/2008	18/08/2006	18/08/2005	METHOD AND APPARATUS FOR DETECTING A WIRELESS COMMUNICATION NETWORK IN OVERLAPPING FREQUENCY BANDS	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
5	257231	897/MUMNP/2009	16/11/2007	17/11/2006	TERPENIC COMPOSITION	GOMBERT Bernard Lucien,MANNARINI Aurele Henri	22/05/2009	MUMBAI
6	257236	1031/MUMNP/2007	20/01/2006	25/01/2005	A TEMPERATURE CONTROLLED FLUIDIC SAMPLE SYSTEM & METHOD THEREOF	OSCILLOGY LLC	24/08/2007	MUMBAI
7	257238	1857/MUMNP/2008	23/02/2007	07/03/2006	HYDROPHILIC STRUCTURED BAR COMPOSITIONS COMPRISING INDIVIDUALLY COATED FLAT PLATY PARTICLES, EACH HAVING SURFACE DEPOSITION CHEMISTRY MECHANISM	HINDUSTAN UNILEVER LIMITED	13/02/2009	MUMBAI

8	257240	1115/MUMNP/2008	20/12/2006	22/12/2005	METHODS AND APPARATUS FOR COMMUNICATING TRANSMISSION BACKLOG INFORMATION	QUALCOMM INCORPORATED	05/09/2008	MUMBAI
9	257250	51/MUM/2008	07/01/2008	14/03/2007	FLOODING CHAMBER FOR COATING INSTALLATIONS	APPLIED MATERIALS INC.	12/06/2009	MUMBAI
10	257259	604/MUM/2007	30/03/2007		A NAPHTHENIC ACID CORROSION INHIBITION COMPOSITION	DORF KETAL CHEMICALS INDIA PVT.LTD.	20/03/2009	MUMBAI
11	257270	2942/MUM/2009	21/12/2009 15:39:57	22/12/2008	ANTI-CORROSION SYSTEM FOR THE COATING OF METALLIC SURFACES AND PROCESS FOR ITS PRODUCTION	DRESDNER LACKFABRIK NOVATIC GMBH & CO.KG	15/10/2010	MUMBAI
12	257272	1528/MUM/2008	18/07/2008 16:21:30		PROCESS FOR PREPARATION OF PHENOXYPROPANOL AMINES	INDOCO REMEDIES LIMITED	22/01/2010	MUMBAI
13	257273	929/MUM/2009	08/04/2009 15:54:26		METHOD OF MAKING BREAD	PARIS CROISSANT CO., LTD.	22/10/2010	MUMBAI

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Seri al Nu mbe r	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)	Appropriat e Office
1	257216	248/CHENP/2007	15/06/2005	23/06/2004	METHOD FOR CONTROLLING AN IRONING TEMPERATURE DURING A STEAM IRONING PROCESS	KONINKLIJKE PHILIPS ELECTRONICS N.V.	24/08/2007	CHENNAI
2	257217	336/CHENP/2007	20/07/2005	27/07/2004	BENZYLTRIAZOLONE COMPOUNDS AS NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS	F. HOFFMANN-LA ROCHE AG	24/08/2007	CHENNAI
3	257218	2592/CHENP/2004	17/04/2003	18/04/2002	METHOD OF CONTROLLING LUBRICANT PROPERTIES BY MEANS OF DILUTING THE SAME	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	20/07/2007	CHENNAI
4	257221	3779/CHENP/2007	31/01/2006	21/01/2005	NOVEL INDOLE COMPOUNDS HAVING SGLT INHIBITORY ACTIVITY	MITSUBISHI TANABE PHARMA CORPORATION	21/12/2007	CHENNAI
5	257222	3377/CHENP/2006	17/03/2005	17/03/2004	WIRELESS ELECTROLYTIC CELL MONITORING POWERED BY ULTRA LOW BUS VOLTAGE	KENNECOTT UTAH COPPER CORPORATION	22/06/2007	CHENNAI
6	257224	2438/CHE/2007	26/10/2007		METHOD FOR PROVIDING COVERAGE AREA INFORMATION ASSOCIATED WITH A MOBILE DEVICE IN A WIRELESS COMMUNICATION	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	11/09/2009	CHENNAI
7	257230	885/CHENP/2007	01/09/2005	01/09/2004	TENSIONER FOR A TIMING CHAIN	LITENS AUTOMOTIVE PARTNERSHIP	24/08/2007	CHENNAI
8	257233	3653/CHENP/2006	03/03/2005	03/03/2004	AN APPARATUS FOR THE EVAPORATIVE COOLING OF A LIQUID PRODUCT	TETRA LAVAL HOLDINGS & FINANCE SA	06/07/2007	CHENNAI
9	257234	4052/CHENP/2006	04/05/2005	04/05/2004	A PROCESS FOR MAKING A COMPRESSIBLE TRICALCIUM PHOSPHATE AGGLOMERATE	RHODIA INC	15/06/2007	CHENNAI

10	257235	4448/CHENP/2006	04/05/2005	04/05/2004	A PINCH WALL SYSTEM FOR CONTROLLING FLUID FLOW MOVEMENT	Bayer HealthCare LLC	29/06/2007	CHEENAI
11	257237	4450/CHENP/2006	04/05/2005	04/05/2004	MIDFACE DISTRACTOR	SYNTHES GmbH	29/06/2007	CHEENAI
12	257239	1730/CHENP/2008	08/12/2006	09/12/2005	METHOD AND APPARATUS FOR HANDLING FIBER LINE FAULT	HUAWEI TECHNOLOGIES CO., LTD.	02/07/2010	CHEENAI
13	257241	2858/CHENP/2004	18/06/2003	18/06/2003	FAULT LOCATION USING MEASUREMENTS OF CURRENT AND VOLTAGE FROM ONE END OF A LINE	ABB AB	17/02/2006	CHEENAI
14	257242	2333/CHE/2006	15/12/2006		METHOD TO PROVIDE MOBILITY BETWEEN 3GPP SYSTEM ARCHITECTURE EVOLUTION/LONG TERM EVOLUTION (SAE/LTE) AND OTHER ACCESS SYSTEMS USING THE IEEE 802.21 MEDIA INDEPENDENT HANDOVER FUNCTION	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHEENAI
15	257244	1489/CHE/2004	31/12/2004		A METHOD OF RECEIVING DEBUG MESSAGES OVER NETWORK/PRINTER	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	08/04/2005	CHEENAI
16	257245	4155/CHENP/2006	11/05/2005	11/05/2004	PROCESS FOR COMBUSTING SOLID, LIQUID OR GASEOUS FUELS	ITEA S.P.A.	22/06/2007	CHEENAI
17	257247	1429/CHE/2004	24/12/2004		GEAR SHIFTING ARRANGEMENT FOR A MOTOR VEHICLE	TVS MOTOR COMPANY LIMITED,	16/02/2007	CHEENAI
18	257248	4060/CHENP/2007	15/02/2005	15/02/2005	AN APPARATUS FOR CONTROLLING TRANSMISSION ABILITY OF A NEAR FIELD COMMUNICATION DEVICE	VODAFONE GROUP PLC	23/11/2007	CHEENAI
19	257249	2071/CHENP/2007	16/11/2004	16/11/2004	A CROSSLINKABLE POLYETHYLENE COMPOSITION, AN ELECTRIC CABLE COMPRISING IT, AND A PROCESS FOR ITS PREPARATION	BOREALIS TECHNOLOGY OY	07/09/2007	CHEENAI
20	257251	4802/CHENP/2006	30/06/2005	30/06/2004	POLYMER-FACTOR IX MOIETY CONJUGATES	NEKTAR THERAPEUTICS	05/10/2007	CHEENAI
21	257254	2347/CHE/2007	16/10/2007		METHOD FOR OPTIMIZING GAP SCHEDULING BETWEEN USER EQUIPMENT AND A NETWORK	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	02/04/2010	CHEENAI

22	257257	2495/CHE/2006	29/12/2006		METHOD OF RECORDING RESPONSES FROM A CALLER MOBILE DEVICE WHEN A CALLED MOBILE DEVICE IS BUSY	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
23	257263	2811/CHENP/2004	15/05/2003	16/05/2002	PREPARATION OF SULFAMOYL HALIDES	BASF AKTIENGESELLSCHAFT	10/02/2006	CHENNAI
24	257264	3798/CHENP/2006	13/04/2005	14/04/2004	MODULAR REFRIGERATION AND/OR FREEZER APPLIANCE	WHIRLPOOL CORPORATION	27/07/2007	CHENNAI
25	257265	1727/CHE/2008	17/07/2008 16:07:30	19/07/2007	DEEP WATER HURRICANE VALVE	BJ SERVICES COMPANY	21/08/2009	CHENNAI
26	257266	725/CHE/2007	05/04/2007		A DEVICE FOR REDUCING THE DOSE OF LOCAL ANAESTHETIC DRUG IN AXILLARY BLOCK	DR. SATYANARAYAN MISHRA	28/11/2008	CHENNAI
27	257267	302/CHE/2005	22/03/2005	25/03/2004	AN APPARATUS AND METHOD FOR IMPROVING WORK SURFACE DURING FORMING AND SHAPING OF MATERIALS	AIR PRODUCTS AND CHEMICALS, INC.	16/03/2007	CHENNAI
28	257268	1160/CHE/2004	08/11/2004		A PHARMACEUTICAL PREPARATION FOR PREVENTING ADULT DISEASES	UNDURTI NARASIMHA DAS	20/07/2007	CHENNAI
29	257269	758/CHE/2005	20/06/2005		METHOD FOR PRINTING BASED ON VOICE IN MULTI FUNCTIONAL PERIPHERAL	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	27/07/2007	CHENNAI

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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	189227	1648/CAL/1996	16/09/1996	15/09/1995	DEVICE FOR GRINDING OF DRAFTING ROLLS	ROSNIK GMBH + CO. KG MASCHINENFABRIK	01/02/2003	KOLKATA
2	192797	1561/CAL/1997	26/08/1997	27/08/1996	APPARATUS FOR SUPPLYING COLD AIR IN REFRIGERATORS	LG ELECTRONICS INC.	01/02/2003	KOLKATA
3	257243	3979/KOLNP/2007	09/05/2006	10/05/2005	A METHOD FOR ADHESION OF A LAYER OF FLUOROSILICONE RUBBER TO A SILICONE RUBBER	DOW CORNING CORPORATION,DOW CORNING SPA	07/03/2008	KOLKATA
4	257258	1195/KOLNP/2007	05/10/2005	05/10/2004	GUIDE ELEMENT FOR A GRIPPER TRANSPORT ELEMENT OF A WEAVING MACHINE	PICANOL N.V.	20/07/2007	KOLKATA

***CONTINUED TO PART- 2***