

पेटेंट कार्यालय  
का  
शासकीय जर्नल

**OFFICIAL JOURNAL  
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दिनांक: **11/10/2013**  
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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**

11<sup>TH</sup> OCTOBER, 2013

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**THE PATENT OFFICE  
KOLKATA, 11/10/2013**

**Address of the Patent Offices/Jurisdictions**

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

1	<p>Office of the Controller General of Patents, Designs &amp; Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a></p> <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 11/10/2013**  
**कार्यालयों के क्षेत्राधिकार के पते**  
**विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ  
नीचे दिए गए हैं :-**

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

वेबसाइट: <http://www.ipindia.nic.in>

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

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

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

## **SPECIAL NOTICE**

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

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

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

(Chaitanya Prasad)

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

## **SPECIAL NOTICE**

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

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

## **SPECIAL NOTICE**

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

## **CORRIGENDUM (DELHI)**

The patent application number 612/DEL/2011 was filed as complete specification on 08-03-2011 through the e-filing module. Meanwhile, a request for withdrawal of the said application was filed on 11-06-2012. However, due to the error in the electronic processing module the application was inadvertently published on 14-09-2012. Since the request for withdrawal of the said application was filed within the stipulated time , the said application erroneously published under u/s 11(A) on 14-09-2012 under journal number 37/2012 shall be treated as deemed not have been published and shall not be open for public inspection and the application shall be treated as withdrawn.

**NOTICE  
RESTORATION U/s.60**

Notice is hereby given that an application for restoration of lapsed Patent No.214270 (815/KOLNP/2003) was published on 09<sup>th</sup> October, 2009. The Patent remain ceased w.e.f.08<sup>th</sup> May,2008 as the applicant is no longer interested to proceed with the patent.

## E;arly 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.2637/DEL/2013 A

(19) INDIA

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

(43) Publication Date : 11/10/2013

(54) Title of the invention : A NOVEL DOUBLE TEMPLATE IMPRINTED POLYMER NANOFILM-MODIFIED ELECTROCHEMICAL SENSOR FOR ULTRA TRACE SIMULTANEOUS ANALYSIS OF GLYPHOSATE AND GLUFOSINATE

(51) International classification	:G01N	(71) <b>Name of Applicant :</b> <b>1)JAUHARI DARSHIKA</b> Address of Applicant :DEPARTMENT OF CHEMISTRY FACULTY OF SCIENCE BANARAS HINDU UNIVERSITY VARANASI-221005 UTTAR PRADESH, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b> <b>1)JAUHARI DARSHIKA</b> <b>2)DR. PRASAD BHIM BALI</b> <b>3)TIWARI MAHAVIR PRASAD</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rapid, selective, and sensitive double-template imprinted polymer nanofilm based electrochemical sensor was fabricated for the simultaneous analysis of phosphoruscontaining amino acid-type herbicides (glyphosate and glufosinate) in soil and human serum samples. Since both herbicides respond overlapped oxidation peaks and only glyphosate is prone to nitrosation, n-nitroso glyphosate and glufosinate were used as templates for obtaining well resolved quantitative differential pulse anodic stripping voltammetric peaks on the proposed sensor. Toward sensor fabrication, the nanostructured polymer film was first grown directly on the surface of a pencil graphite electrode via initial immobilization of gold nanoparticles at its surface, followed hy linking of monomeric (methacryoyl cysteine) molecules through S-Au bonds and their free radical polymerization in the presence of templates, cross linker, initiator and multiwalled carbon nanotubes as pre-polymer mixture. The modified sensor observed wide linear ranges (3.98-176.23 ng mL<sup>-1</sup> and 0.54-3.96 ng mCI ) of simultaneous analysis with detection limits as low as 0.35 and 0.19 ng mL<sup>-1</sup> (S/N=3) for glyphosate and glufosinate, respectively in aqueous sample. The respective oxidation peak potentials were found to be substantially apart by 265 mV, enabling simultaneous determination of one target in presence of other, without any cross reactivity, interferences, and falscpositives, in real samples.

No. of Pages : 42 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2612/DEL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A CHEWABLE MOUTH FRESHENER AND THE PROCESS OF PREPARING THE SAME.

(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)RAJKUMAR ARORA**

Address of Applicant :H-341, GROUND FLOOR, NEW  
RAJENDRA NAGAR DELHI-110060 India

(72)Name of Inventor :

**1)MR. RAJKUMAR ARORA**

(57) Abstract :

The present invention relates to a chewable mouth freshener composition. More particularly, the present invention relates to a chewable mouth freshener composition having no poisoning effects of tobacco products such as tobacco, etc. More particularly, the present invention relates to a chewable mouth freshener composition prepared by using kattha (cateche), chunna, supari, maize starch, mureththi, magnesium, menthol, natural perfume, glycerin and also eatable cardamom (elaichi), and mixture of clove powder and black cardamom powder, nutmeg powder, mace powder and cinnamon powder in particular ratio. Moreover this invention relates to the process for the preparation of the composition containing the above ingredients.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2590/DEL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SWITCH CONTROL BY MOBILE

(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DHIRENDRA YADAV</b>
(32) Priority Date	:NA	Address of Applicant :C-413, BETA-1, GREATER NOIDA, Uttar Pradesh India
(33) Name of priority country	:NA	<b>2)DHARMENDRA</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DHIRENDRA YADAV</b>
(87) International Publication No	: NA	<b>2)DHARMENDRA YADAV</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Its a very useful device for turning on/off our electric appliance from anywhere such as our home lights, inverter, fans, cctv cameras and many others. This can be done just making a missed call for few seconds it does not need any internet connection it can be done by any simple mobile. It have very low cost that anyone can cost it as well as operate easily. It have a too big range that can cover the world it does not need any new separate network.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2613/DEL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A TOBACCO BASED MOUTH FRESENER AND ITS PREPARATION.

(51) International classification	:A24B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RAJKUMAR ARORA**

Address of Applicant :H-341, GROUND FLOOR, NEW  
RAJENDRA NAGAR DELHI-110060, INDIA

(72)Name of Inventor :

**1)MR. RAJKUMAR ARORA**

(57) Abstract :

The present invention relates to a tobacco based mouth freshener composition. More particularly, the present invention relates to a tobacco based mouth freshener composition having good effects of freshener products. More particularly, the present invention relates to mouth freshener composition prepared by using murethi, kattha (cateche), supari, menthol, chunna, tobacco, natural perfume, glycerin and also eatable cardamom (elaichi) and mixture of clove powder and black cardamom powder, nutmeg powder, mace powder and cinnamon powder in particular ratio. Moreover this invention relates to the process of preparing the composition containing the above ingredients.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2013

(21) Application No.2468/MUM/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PREPARATION OF ESTERS FROM 2-OCTANOL

---

(51) International classification	:C07C69/00	(71) <b>Name of Applicant :</b> <b>1)UDESHI; SUBHASH VITHALDAS</b> Address of Applicant :JAYANT AGRO ORGANICS LTD, AKHANDANAND, 38, MAROL CO-OPERATIVE INDUSTRIAL ESTATE, OFF M.V. ROAD, SAKINAKA, ANDHERI (EAST), MUMBAI 400 059, 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)UDESHI; SUBHASH VITHALDAS</b> <b>2)AMBAWADE; KISHOR DATTATRAY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to 2-octanol obtained as a by-product in the manufacture of sebacic acid has been converted to dicapryl phthalate (DCP) and other esters using various commercially available catalysts. Longer esterification periods produced colored product. Performance of the DCP, prepared in the laboratory was compared with commercial plasticizers such as di-2-ethyl hexyl phthalate (DEHP) and di-isonyl phthalate (DINP).

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2013

(21) Application No.1773/MUM/2013 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SECURITY FRAMEWORK MODEL FOR CLOUD COMPUTING

(51) International classification	:G06F17/30, G06F21/00	(71) <b>Name of Applicant :</b> <b>1)Saju Mathew</b> Address of Applicant :46-Vivekanand Colony, Petrol Pump (Thana), Jawaharnagar P.O (Dist) Bhandara, (Via) Nagpur, 441906 Maharashtra India <b>2)Dr. Sanjay Makh</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Saju Mathew</b>
(33) Name of priority country	:NA	<b>2)Dr. Sanjay Makh</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Cloud computing is one of the most emerging technologies that is used all over the IT world and has gained a lot of foothold being sported on advertisement all over the Internet from web space hosting providers, through data centers to virtualization software providers. In the traditional computing the user holds all the necessary and required software and applications in his computer to perform all the major computing tasks and operations. But cloud computing allows its users to use the application and software without installing them physically into their computer and allows them to access all their personal files from any computer with just good Internet connection. The advantage of the cloud computing is that dynamically provisions, configures, reconfigures and deprovisions the resources as needed. It also facilitates to create own secure virtual private network and own data storage on high end data center servers with no minimal effort. As a result, cloud computing gives organizations the opportunity to increase their service delivery efficiencies, streamline IT (Information Technology) management, and better align IT (Information Technology) services with dynamic business requirements. Since cloud computing is new technology and it faces many security risks. To overcome the security issues four major framework models are proposed. Following invention is described in detail with the help of figure 1 of Sheet 1 showing proposed framework Model for SLA (Service Level Agreement), figure 2 of Sheet 2 showing proposed framework Model for SRA (Service Rating Architecture), figure 3 of Sheet 3 shows Flowchart for SRA Framework, figure 4 of Sheet 4 shows proposed framework for Cloud Service, figure 5 of Sheet 5 illustrates Flowchart for CSF Framework, figure 6 of Sheet 6 illustrates proposed framework for Data Protection, figure 7 of Sheet 7 illustrates Flowchart for Data Protection Framework.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2013

(21) Application No.3084/MUM/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD OF PREPARING CHAKA BY THERMAL TREATMENT TO CURD

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(51) International classification	:A23C23/00	(71) <b>Name of Applicant :</b> <b>1)ABHYANKAR CHAITANYA MILIND</b> Address of Applicant :12-NEW ROYAL RESIDENCY, PUSHPANAGRI, AURANGABAD-431001, 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)ABHYANKAR CHAITANYA MILIND</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The present invention relates to chakka. The method of manufacturing of chakka is thermal treatment to curd from Cows milk. The method of performance is used for cows milk as it has low SNF content.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2013

(21) Application No.3049/MUM/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SPONTANEOUS CONVERSION OF HEAT TO WORK BY ASYMMETRIC PHENOMENON IN REAL GASES

(51) International classification	:F01K27/00	(71) <b>Name of Applicant :</b> <b>1)KVN RAGHUNATH</b> Address of Applicant :502/A4, CAMELOT HOUSING SOCIETY, VIMAN NAGAR, PUNE-411 014, 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)KVN RAGHUNATH</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

with the proposed heat engine arrangement, it is possibel to generate work from heat completely with a suitable heat pump, without External sink and without External aid.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/07/2013

(21) Application No.3151/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ADVANCED REAL TIME AUTOMATED SECURITY SYSTEM

(51) International classification	:G08B	(71) <b>Name of Applicant :</b> <b>1)VIVEK FRANCIS</b> Address of Applicant :NO. 2/2, 12TH A CROSS, LACHAPPA COLONY, B. K. NAGAR, YESHWANTHPUR, BANGALORE - 560022 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an advanced real time automated security system. At the closed premise end the said security system comprises a central processing unit (CPU), 3G GSM modem, door sensor, motion sensor, a remotely controlled camera movement mechanism (RC2M2), decoder, an electronic dispenser and door lock actuator. The door sensor is placed in conjunction with the door. Here as soon as the door is opened or when there is any motion detected inside the closed premise it automatically triggers the system and streams a live video of the closed premise to a distant user and fires an audible or visible alert to at-least one nearby security personnel. Now the distant user can monitor the closed premise from the remote end and can take action by controlling the functioning of various appliances or object in the proximity of the said security system by transmitting the DTMF signal.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/09/2012

(21) Application No.3717/CHE/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR PRODUCTION OF ISOBUTANOL THROUGH NUTRIENT STRESS AND GENETICALLY MODIFIED MICROORGANISMS THEREOF

(51) International classification	:C12N
(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)CELLWORKS RESEARCH INDIA PVT. LTD**

Address of Applicant :3rd floor West Wing Neil - Rao  
Tower• 118 Road # 3 EPIP Whitefield Bangalore - 560 066  
Karnataka India.

(72)**Name of Inventor :**

**1)SANTANU DATTA**

**2)KADAMBI SARANGAPANI RAMANUJAN**

**3)ANAND ANANDKUMAR**

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(57) Abstract :

The present disclosure relates to an architecture of energy redistribution that can sustain the increased formation of cofactors like NADH/NADPH and key metabolites like pyruvate that are implicated in the production of isobutanol through biotransformation. Genetically modified microorganisms comprising altered genes are disclosed wherein said alteration optionally along with subjecting the genetically modified microorganism to nutrient stress induces redistribution of energy ultimately resulting in maximum production of isobutanol.

No. of Pages : 55 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.4250/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTRONIC VOTING APPARATUS AND SYSTEM THEREOF

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Centre for Development of Advanced Computing</b>
(32) Priority Date	:NA	Address of Applicant :Jawaharlal Nehru Technological
(33) Name of priority country	:NA	University (JNTU) Campus, Kukatpally, Hyderabad 500085,
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)ESWARI, Lakshmi P.R.</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PATIL, Mahesh</b>
Filing Date	:NA	<b>3)PAREEK, Himanshu</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the present application relate to an apparatus, system, and method of verification of votes casted by voters on an Electronic Voting Machine (EVM) to ensure that the voting process has not been manipulated or tampered with in any manner and that the electoral results are completely user assured, verifiable, and auditable. According to one aspect of the present disclosure, EVM can be operatively coupled with a verification apparatus, wherein the verification apparatus can be configured to evaluate and compare behaviour of EVM software and other EVM attributes at runtime to ensure that no manipulation or tampering has taken place at the EVM before/during/after the voting process. Aspects of the present disclosure further relate to triggering of an image capturing means that takes snapshot of the EVM display during the time the voting takes place, displays the captured user assured output through display unit of verification apparatus, and compares the final vote count from the EVM with the votes that are shown by processing of the captured images.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.4231/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STING LESS HONEY-BEE HIVE

(51) International classification	:A01K47/00	(71) <b>Name of Applicant :</b> <b>1)MAMPUZHACKAL THOMAS GEORGE VAIDYAR</b> Address of Applicant :THOMAS GEORGE, MAMPUZHACKAL(H), CHEMPERI (P.O), KANNURE (DT.) - 670 632 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	<b>(72)Name of Inventor :</b> <b>1)MAMPUZHACKAL THOMAS GEORGE VAIDYAR</b> <b>2)SAVIRIAM KUZHYIL ROY VARGHESE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention of STING LESS HONEY-BEE HIVE is a new system and method of cultivating of honey bees clasified under Hymenopteram of species meliponinae, comenly called STING LESS HO NEY-BEE. A new bee hive and new method of collecting of honey by this method is described. This invention can improve the status of cultivating of this species of bees and the quality of honey obtained by this method can be superior also. This invention will lead further inventions and improvements in this sector of horticulture.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2013

(21) Application No.897/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A COMPOSITION FOR MAKING MULTIGRAIN DOSA BREAKFAST MIX

(51) International classification	:A23L1/00	(71) <b>Name of Applicant :</b> <b>1)M/S. MTR FOODS PVT LTD.</b> Address of Applicant :AT NO. 4, 17TH CROSS, K.R. ROAD, BANASHANKARI, 2ND STAGE, BANGALORE 560 070 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition for making Multigrain Dosa Breakfast Mix comprising of whole grains Oats, Barley, Ragi , Rice and Corn mixed with blended Salt, Sodium-bi-carbonate, Malic Acid, Fenugreek, melted vegetable fat.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.4210/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR FACILITATING TELECOMMUNICATION NETWORK ADMINISTRATION AND DEVICES THEREOF

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)WIPRO LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Maheshwaran Govindarajeswaran</b>
(87) International Publication No	: NA	<b>2)Madanmohan Balasubramanian</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 network management data server device for receiving a service request from a mobile device, where the service request comprises a value for one or more attributes of the mobile device and an indication of at least one of a view profile or one or more network attributes. Network data from a network data snapshot is extracted based on one or more of the indicated view profile or one or more network attributes. A plurality of chunks is generated from the extracted network data based on the value of the one or more attributes of the mobile device. A first one of the plurality of chunks is sent to the mobile device in response to the service request and an additional one of the plurality of chunks in response to each of one or more requests received from the mobile device.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2013

(21) Application No.3302/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HOE FIX

(51) International classification	:A01B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)P.K. REGHU</b>
(32) Priority Date	:NA	Address of Applicant :PANAMULLIL (HOUSE),
(33) Name of priority country	:NA	PULIKURUMBA (P.O), KANNURE (DT) - 670 582 Kerala India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)P.K. REGHU</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 results an implement that fulfills criteria of establishing a support in agricultural field. This implement is very easy handling one and this invention can stimulate further inventions and innovations which can improve economy of nation.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/09/2013

(21) Application No.4182/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING PROPERTY REGISTRATION INFORMATION  
THROUGH A CONTACTLESS SMART CARD U

(51) International classification	:G06K19/00	(71) <b>Name of Applicant :</b> <b>1)KANHATECH SOLUTIONS LIMITED</b> Address of Applicant :#74, 5th Floor, Prestige Feroze Building, Cunningham Road, Bangalore 560052, Karnataka, India.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Kumar Chellappan Kushal</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the present disclosure relate to system and method for managing property registration information. In an embodiment, the present disclosure relates to a tamperproof contactless smart card unit with built-in memory unit. The property registration information stored in the contactless smart card unit is encrypted and secured which can be read and updated by NFC scanners. The updatons are simultaneously synchronized with the central server. Any authorized personnel with permission access can read the contactless smart card unit to know the details of the property.

No. of Pages : 22 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2013

(21) Application No.2036/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ENHANCING THE LIFE OF ELECTRONIC EQUIPMENTS

(51) International classification	:F21V
(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)NIKHIL VELAMMAVUKUDY GANGADHARAN

Address of Applicant :VELAMMAVUKUDY-HOUSE,  
KOMBANAD P.O, CHOORAMUDY - 683 546 Kerala India

(72)Name of Inventor :

1)NIKHIL VELAMMAVUKUDY GANGADHARAN

(57) Abstract :

The present invention relates to a method for enhancing the life of electronic equipments, especially lighting equipments like CFL lights, LED lights, Torch lights, etc. The method is based on the principle of workload sharing method in continuous job circuits. Also disclosed a system comprising plurality of circuits, switching equipments, timers, relays, opto couplers, etc, which are arranged in the equipments for enhancing the life of the electronic equipments. The circuits provided in the equipments are of performing the same function and shares the work load of the equipments, within its safe time limit. The circuits in the equipments will not get overheated and damaged which result in enhancing the life span of the equipments. The present invention facilitates the cooling of circuits without interrupting the working of the equipments and cooling is facilitated without using external devices like heat sink, fans, etc.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/03/2013

(21) Application No.1968/CHENP/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MAGNETIC COUPLING PUMP AND PUMP UNIT PROVIDED WITH SAME

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(51) International classification	:F04D13/02
(31) Priority Document No	:2011201850
(32) Priority Date	:15/09/2011
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2012/073460
Filing Date	:13/09/2012
(87) International Publication No	:WO 2013/039144
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MITSUBISHI HEAVY INDUSTRIES LTD.**

Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo  
1088215 Japan

(72)Name of Inventor :

**1)HOSHI Hideo**

**2)NAKASHIMA Syogo**

**3)YAMAMOTO Yasuharu**

**4)OKUBO Takeshi**

**5)HIDAKA Tatsuya**

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(57) Abstract :

A magnetic coupling pump comprising an encapsulated type impeller and a casing for covering the impeller so that the impeller can rotate about a rotational axis and move in the direction of the axis that extends from the rotational axis wherein the speed of the impeller is kept from decreasing even when thrust balance temporarily breaks down and the impeller and the casing come in contact with each other. Tapered surfaces (24) (55) are formed on at least a portion of surfaces (24) (53) of the impeller (10) and surfaces (66) (86) of the casing (60) facing each other in the axis direction (Da) so that the interval between the surfaces gradually changes progressively in the radial direction (Dr) perpendicular to the axis direction (Da).

No. of Pages : 52 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3709/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SEMI SYNTHETIC DERIVATIVES OF GUM KONDAGOGU

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(51) International classification	:C07C	(71) <b>Name of Applicant :</b> <b>1)KAVITHA JAYAPALA REDDY</b> Address of Applicant :FLAT NO. 309, BLOCK 2B, S.M.R.
(31) Priority Document No	:NA	VINAY CITY, NAREN ESTATES, OPPOSITE TO
(32) Priority Date	:NA	CHAITANYA MAHILA COLLEGE, MIYAPUR, BOLLARAM
(33) Name of priority country	:NA	ROAD, HYDERABAD - 560 049 Andhra Pradesh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KAVITHA JAYAPALA REDDY</b>
(87) International Publication No	: NA	<b>2)GOTTUMUKKALA KRISHNA MOHAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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(57) Abstract :

The present invention provides C1-C6 alkyl or substituted alkyl derivatives of gum kondagogu and its salts. The present invention also provides a process for the preparation of C1-C6 alkyl or substituted alkyl derivatives of gum kondagogu and its salts.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/09/2013

(21) Application No.4209/CHE/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ASSISTIVE PHOTOGRAPHY

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(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)WIPRO LIMITED**

Address of Applicant :Doddakannelli, Sarjapur Road,  
Bangalore 560035, Karnataka, India.

(72)Name of Inventor :

**1)Ragupathy Jayaraj**

**2)Mukesh Manjunath Prabhu**

(57) Abstract :

The disclosure relates generally to photography techniques, and more specifically to a method and system for assistive photography. In one embodiment, an assistive photography method is disclosed, which comprises: capturing one or more image frames of a subject using a photographic device, selecting dynamically, using one or more processors, an assistive stencil based on the one or more image frames and at least one predefined subject photograph requirement; and providing the dynamically selected assistive stencil in a preview display of the photographic device; wherein the assistive stencil assists in at least partially satisfying the at least one predefined subject photograph requirement.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2013

(21) Application No.4276/CHE/2013 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHOTOTROPHIC PURPLE BACTERIA AS DIETARY SUPPLEMENTS AND AS MEDICAMENTS FOR REDUCING TOTAL BLOOD CHOLESTEROL, TRIGLYCERIDES, LDL CHOLESTEROL AND FOOD OR FEED COMPOSITIONS CONTAINING THEM

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)EEDERA VEERA VENKATA RAMAPRASAD</b>
(32) Priority Date	:NA	Address of Applicant :RESEARCH FELLOW (CSIR-SRF), BACTERIAL DISCOVERY LABORATORY, CENTRE FOR ENVIRONMENT, INSTITUTE OF SCIENCE AND TECHNOLOGY, J.N.T. UNIVERSITY HYDERABAD, KUKATPALLY - 500 085 Andhra Pradesh India
(33) Name of priority country	:NA	<b>2)CHINTALAPATI SASIKALA</b>
(86) International Application No Filing Date	:NA	<b>3)CHINTALAPATI VENKATA RAMANA</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA	<b>1)EEDERA VEERA VENKATA RAMAPRASAD</b>
(62) Divisional to Application Number Filing Date	:NA	<b>2)CHINTALAPATI SASIKALA</b>
		<b>3)CHINTALAPATI VENKATA RAMANA</b>

(57) Abstract :

The disclosure provides an oral composition for reducing serum total cholesterol, triglycerides, LDL cholesterol or atherogenic index or treatment of atherosclerosis, cardiovascular diseases in mammals obtained by culturing the microorganisms that belong to the genus Blastochloris and Rhodopseudomonas. The composition comprising an effective amount of at least one of the strain selected from the group consisting of Blc. gulmargensis JA248 and Rps. pentothenatexigens JA575. In addition, a process for preparation of therapeutic compositions with cholesterol-lowering effects, as food and feed supplements for animals or medicament, through the invention is not limited in any way to use strictly for animal intake, but may also be suitably used for human ingestion containing the said bacteria and methods for the preparation and to treat cholesterol-related diseases and related symptoms and use thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1087/KOL/2013 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR MANUFACTURING HIGH GRADES OF SPECIALTY ELECTRICAL STEELS

(51) International classification	:C23G1/19	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/703,701	<b>1)REHANI MANU</b>
(32) Priority Date	:20/09/2012	Address of Applicant :2812 NW ARIEL TERRACE, PORTLAND, OREGON 97210 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)REHANI MANU</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 is a process for the production of specialty electric steel, particularly grain oriented electrical steel, and more particularly, grain oriented silicon electrical steel. The steel can be formed starting from a thin slab. The process can relate to a product formation route which enables efficient production with better yield and wider process control tolerance. The method can be employed for producing specialty electrical steel utilizes cheaper inputs, less energy, combines and overlaps production process steps, improves yields and product uniformity. This can be accomplished by making it more tolerant to a wider range of process parameters.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1020/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ARTICULATED MOBILE ROBOTIC MANIPULATOR:MANTIS

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(51) International classification	:B25J15/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)NATIONAL INSTITUTE OF TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :NATIONAL INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY ROURKELA -769008 DIST: SUNDARGARH
(86) International Application No	:NA	ORISSA INDIA
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)1. DR. DAYAL R. PARHI</b>
(61) Patent of Addition to Application Number	:NA	<b>2)2. MR. ELIAS ELIOT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the field of remotely controlled mobile robots having articulated manipulator, which could be reconfigured. The invention basically comprises of two parts, the 5 axes articulated robotic manipulator or robotic arm, which is fixed on to a four-fixed wheel mobile platform with skid steering. This remotely controlled mobile robotic manipulator can handle materials weighing between 500 - 1000gms. Presently built for pick and place application, this mobile manipulator could be reconfigured without difficulty to do other jobs too. Since the end-effector can be easily detached from the arm and also the whole manipulator can be detached from the mobile platform, multiple tasks like drilling, welding, vacuuming, inspections etc. can be executed with Mantis. Mantis finds a wide range of applications, for example it can be used for pick and place task in hospitals, supermarkets, libraries, laboratories, warehouses and also can be used for military operations, space researches etc.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/09/2013

(21) Application No.1055/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A PROCESS FOR PRE-TREATING SPENT ACID FOR ITS APPLICATION IN THE MANUFACTURE OF IRON OXIDE

(51) International classification	:C01G49/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)GHOSH, SANDIP KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :SUKANTAPALLY, KRISHNAPUR
(33) Name of priority country	:NA	MISSION BAZAR, P.O: KRISHNAPUR, KOLKATA - 700 102,
(86) International Application No	:NA	West Bengal India
Filing Date	:NA	<b>2)BANDYOPADHYAY, PINAKI</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)GHOSH, SANDIP KUMAR</b>
Filing Date	:NA	<b>2)BANDYOPADHYAY, PINAKI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for pre-treating spent acid for its application in the manufacture of iron oxide is disclosed. The spent acid is first subjected to neutralization at a first temperature and the neutralization is repeated at a second temperature, which is higher than the first temperature. This repetition step is continued under monitoring such that soluble silicon is reduced to the desired level. The resultant acid is then dosed at a third temperature with suitable reagent and pH is adjusted. Then coagulation of the precipitates is done and the floes are allowed to settle at the bottom of a settling tank. Purified spent acid is collected through the overflow line of the settling tank.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1019/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN EMULSIFIED FUEL FOR COMPRESSION IGNITION ENGINES

(51) International classification

:C10L1/32

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)NATIONAL INSTITUTE OF TECHNOLOGY,  
ROURKELA**

Address of Applicant :DEAN (SRICCE) NATIONAL  
INSTITUTE OF TECHNOLOGY, ROURKELA -769008, DIST:  
SUNDARGARH - Orissa, India.

(72)Name of Inventor :

**1)(i) DR. S. MURUGAN  
2)(ii) MR. ARUN KUMAR WAMANKAR**

(57) Abstract :

This invention describes a novel process of producing an emulsified fuel by mixing CB, water, surfactant and diesel fuel following five different processes in a sequence. The said invented emulsified fuel namely X is proposed as an alternative fuel in compression ignition (CI) engine whose compression ratio is limited to 17.5. The maximum percentage of CB in the emulsions is limited to 20%. The said invented fuel has properties similar to that of diesel fuel, and can be used as an alternative fuel in compression ignition engines.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2013

(21) Application No.822/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHOTO SENSING AUTO SWITCH. (ALTERNATING CURRENT POWER FOR - STREET LIGHT/COMPOUND LIGHT/GARDEN LIGHT) (GROUP CONTROL)

(51) International classification	:H01H13/00	(71) <b>Name of Applicant :</b> <b>1)RAJA SENGUPTA</b> Address of Applicant :SEN PARA, (NEAR SEN PARA POST OFFICE) PO & DIST- JALPAIGURI, WEST BENGAL, PIN-735 101 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> <b>1)RAJA SENGUPTA</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 indigenous design of Photo Sensing Auto Switch has remarkable importance for controlling any street light/ compound light/ garden light throughout the year.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/08/2013

(21) Application No.997/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS AND METHOD OF COATING CIRCULAR MANUFACTURED MATERIAL

(51) International classification	:B60S5/02	(71) <b>Name of Applicant :</b> <b>1)YOUNGSAN TECHNO CO.,LTD.</b> Address of Applicant :51, Hwaseong-ro 1616beon-gil, Bibong-myeon, Hwaseong-si, Gyeonggi-do, 445-842 Republic of Korea
(31) Priority Document No	:10-2012-0099516	
(32) Priority Date	:07/09/2012	
(33) Name of priority country	:Republic of Korea	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)KIM, Young Geun</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 :

There is disclosed an apparatus of coating a circular manufactured material including a first measuring unit configured to measure specifications of the circular manufactured material, a surface processing unit configured to form a plurality of disfigurements on an outer circumferential surface of the circular manufactured material, a coating unit configured to coat the circular manufactured material having the plurality of the disfigurements formed thereon by the surface processing unit, a second measuring unit configured to measure specifications of the circular manufactured material coated by the coating unit, and a control unit configured to control coating conditions required when the coating unit coats the circular manufactured material based on the specifications measured by the first measuring unit and external input data.

No. of Pages : 43 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/07/2013

(21) Application No.893/KOL/2013 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MOSAIC LINER FOR CHUTE/HOPPER LINING.

(51) International classification	:B65D90/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TEGA INDUSTRIES LIMITED**

Address of Applicant :147, BLOCK-G, NEW ALIPORE,  
KOLKATA- 700 053, WEST BENGAL, INDIA

(72)Name of Inventor :

**1)ROY, SAROJ KUMAR**

**2)MOHANKA, MADAN MOHAN**

(57) Abstract :

A mosaic liner unit (A) for chute/hopper lining comprises of a body having a front face (10) and a rear face (11). Each of the front face (10) and the rear face (11) are made of an elastomeric material (2). Within the elastomeric material is embedded a plurality of high hardness steel units (3). The front face (10) is adapted to take the impact load of material falling on the chute/hopper and the rear face (11) is fixed to chute/hopper wall (12).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/07/2013

(21) Application No.859/KOL/2013 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A LIGHT WEIGHT, COST-EFFECTIVE AND EASY TO MANUFACTURE AND HANDLE BUCKET FOR LOADER AND /OR EXCAVATORS.

(51) International classification	:B65B43/26	(71) <b>Name of Applicant :</b> <b>1)GUPTA, SUBHRA</b> Address of Applicant :HALDIA LOGISTICS PVT. LTD. C.P.T. OFFICE COMPLEX, BLOCK-P, CHIRANJIBPUR, HALDIA, PIN- 721 604 West Bengal 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)GUPTA, SUBHRA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A bucket for loader and/or excavator/shovel/back- hoe and in particular to a light weight, cost-effective and easy to manufacture and handle bucket for loader and/or excavators. The advancement is directed to the improvement of payload capacity of wheel loaders which depends on the weight and volume of its buckets. Importantly, the bucket for loader and/or excavator is specifically obtained to achieve reduction in weight of bucket by involving hollow structured sections in place of heavy weight steel plates usually involved in fabrication of such buckets thereby increasing the payload capacity such as to facilitate handling more cargo using the same amount of fuel. Moreover the manufacture involving such hollow structured sections is simple and cost effective . Thus advantageously the advancement would enable cost-effective and comparatively light weight bucket for loader and/or excavator without in anyway affecting the required rigidity and durability of the bucket for carrying load and yet improve upon the payload capacity of the bucket. Manufacturing process is also simpler.

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

## **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.1677/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :13/09/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : NOVEL SGLT INHIBITORS

(51) International classification	:G06Q30/02	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PANACEA BIOTEC LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :B-1, EXTN. A/27 MOHAN CO-OPERATIVE, INDUSTRIAL ESTATE, MATHURA ROAD,
(33) Name of priority country	:NA	NEW DELHI 110044 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)JAIN, RAJESH</b>
(87) International Publication No	:NA	<b>2)TREHAN, SANJAY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DAS, JAGATTARAN</b>
Filing Date	:NA	<b>4)NANDA, GURMEET, KAUR</b>
(62) Divisional to Application Number	:NA	<b>5)THUNGATHURTHI, SASTRY V.R.S.</b>
Filing Date	:NA	<b>6)SINGH, NISHAN</b>
		<b>7)SHARMA, SUDHIR, KUMAR</b>

(57) Abstract :

The present invention relates to novel compounds of Formula I, their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof. The invention also relates to the processes for the synthesis of novel compounds of Formula I, their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof. The present invention also provides pharmaceutical compositions comprising novel compounds of Formula I and methods of treating or preventing one or more conditions or diseases that may be regulated or normalized via inhibition of Sodium Glucose Cotransporter-2 (SGLT-2). The invention also relates to the use of compounds of Formula I, their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof, for the manufacture of a medicament for the prophylaxis, amelioration and/or treatment of conditions or diseases that may be regulated or normalized via inhibition of SGLT-2 and the related diseases, disorders and conditions, in a subject in need thereof.

No. of Pages : 98 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2176/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN IMPROVED PROCESS FOR THE SYNTHESIS OF ALKYL ESTER OF CARBOXYLIC ACID•

(51) International classification	:C07D
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NATIONAL INSTITUTE OF PHARMACEUTICAL  
EDUCATION AND RESEARCH (NIPER)

Address of Applicant :Sector-67 S.A.S Nagar Mohali  
Punjab-160062 India

(72)Name of Inventor :

1)Asit Kumar Chakraborti

2)Dinesh Kumar

3)Damodara Naidu Kommi

(57) Abstract :

The present invention provides an improved, efficient and green approach for alkylation of carboxylic acid using dialkyl dicarbonate as alkylating agent and ionic liquid as an organocatalyst. The reaction procedure does not require any additional organic solvent as a reaction media and proceeds at temperature between 25°-38°C.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2177/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : Hopper Structure, Dehumidification Plant and Method for Dehumidifying Granular Plastic Material

(51) International classification	:B23B
(31) Priority Document No	:VR2010A000158
(32) Priority Date	:03/08/2010
(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)MORETTO S.p.A.

Address of Applicant :Via dell™ Artigianato 3 - 35010 - Massanzago - Padova Italy.

(72)Name of Inventor :

1)Moretto Renato

(57) Abstract :

The present invention relates to a hopper structure for the dehumidification of granular plastic material by means of a dehumidifying process fluid, including: - a main body (1a), bearing, at the top in use, a closure wall (1b) with loading opening or mouth (4a) for the granular plastic material to be treated; - at least one discharge mouth or opening (4c) for the process fluid provided on the main body (1a) or on the closure wall (1b),.....

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2238/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FAN

(51) International classification

:B64D

(31) Priority Document No

:099138331

(32) Priority Date

:08/11/2010

(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)Sunonwealth Electric Machine Industry Co. Ltd.**

Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.  
Lingya Dist. Kaohsiung R.O.C. Taiwan

(72)Name of Inventor :

**1)Alex HORNG**

**2)Ko-Chien WANG**

**3)Yeh-Feng CHEN**

(57) Abstract :

A fan comprises a housing having a compartment formed inside, and at least one lateral air inlet and at least one lateral air outlet both penetrating through the inner and outer surfaces of the housing and communicating with the compartment; and a motor mounted inside the compartment of the housing and having a stator and an impeller, with the impeller rotatably coupled to.....

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2239/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : LED LAMP

(51) International classification	:B64D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:100118024	<b>1)Sunonwealth Electric Machine Industry Co. Ltd.</b>
(32) Priority Date	:23/05/2011	Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.
(33) Name of priority country	:Taiwan	Lingya Dist. Kaohsiung R.O.C. Taiwan
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Alex HORNG</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 lamp includes a housing, a cooling module and a light emitting diode. The housing has an assembling opening and an electrical connection member on two ends of the housing, wherein an inner surface of the housing defines a receiving room, and a part of the inner surface of the housing adjacent to the assembling opening is an air-guiding wall. The cooling module is disposed at the assembling opening of the housing to form at least one air channel between the cooling module and the air-guiding wall, wherein the cooling module has an air-guiding passage communicating with the receiving room of the housing.....

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2196/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN ECO-FRIENDLY HERBAL ACARICIDE TO CONTROL TICKS INCLUDING ACARICIDE RESISTANT SPECIES INFESTING LIVESTOCK AND PET ANIMALS.

(51) International classification	:A61K39/102	(71) <b>Name of Applicant :</b> <b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b> Address of Applicant :KRISHI BHAVAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001 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)SRIKANTA GHOSH</b>
(87) International Publication No	:NA	<b>2)AJAY KUMAR SINGH RAWAT</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MAHESH CHANDRA SHARMA</b>
Filing Date	:NA	<b>4)DEBDATTA RAY</b>
(62) Divisional to Application Number	:NA	<b>5)SHARAD SRIVASTAVA</b>
Filing Date	:NA	<b>6)SACHIN KUMAR</b>

(57) Abstract :

Ticks are widely distributed, obligate hematophagous ectoparasites of domestic ,wild animals and humans. On global basis, ticks transmit a larger number of pathogenic organisms like protozoans, rickettsial spirochetes and viruses than any other arthropod group, and are among the most important letore of pathogens affecting livestock, humans and companion animals. Ticks are incriminated as voracious blood suckers, causing low quality hides, secondary bacterial infections. lowered productivity in terms of weight gain and milk yield. Although efforts are increasing to establish integrated tick management system as a part of sustainable programme, the campaign for tick control still depends on repeated use of harmful synthetic acaricides which leads to the development of resistance, harmful effects on human and environment from residual toxicity in meat, milk, milk products and on living biota. To achieve the successful control of acaricide resistant ticks, attempts have been made towards the identification of herbs having acaricidal properties and formulation of herbal acaricides, which are safe for animal use, and there will be less chance of development of resistance to herbal formulations with no possibilities of evoking environment and residual toxicity. In the present invention, the acaricidal properties of one commonly available plant. Ageratum conyzoides, has been established. A. conyzoides (family Asteraceae) is a common tropical annual herbaceous weed which is commonly known as Billy goat weed, Jangli pudina. Ghabuti, Bhakumbar etc. It is distributed throughout India and minimum agronomical conditions are required for mass cultivation. For extraction and fractionation, the whole plant of A. conyzoides was collected from its natural habitat and dried, powdered, extracted in 95% elhatiol and concentrated. The extract was fractionated using hexane, chloroform, butanol and water and the antitick activity was established. The LC90 value of the extract was determined as 5.91% and Precocene-1 has been identified as one of the active components in the extract.. The 95% ethanolic extract was found effective against the most predominat tick species viz.. Rhipicephalus (Boophilus) microplus, Hyalomma analolicum and Rhipicephalus sanguineus. A significant mortality of more than 50% was noted in tick resistant to deltamelhrin (resistant factor = 42.5). The extract was also tested against multi-acaricide resistant -ticks and 70-76.7% efficacy was recorded. Besides antitick property, the anti-lice and fly repellent properties of the extract were also noted. The extract was found safe in animal trial and no reaction was recorded on animals treated with 30% concentration of the extract. The self life of the extract at room temperature was evaluated and was found effective upto 90 days without any significant change in acaricidal property.'The invention is expected to control tick, lice and fly infestations and also reduce the repeated use of harmful chemicals on animals.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.2256/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PRINTER AND PRINTING METHOD

---

(51) International classification	:B27M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-224107	<b>1)SEIKO EPSON CORPORATION</b> Address of Applicant :4-1, NISHISHINJUKU 2 - CHOME, SHINJUKU-KU, TOKYO 163 - 0811, JAPAN
(32) Priority Date	:01/10/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)NOGUCHI, AKIHIKO</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 printer with a tractor unit driven by a DC motor and a control method for this printer can acquire accurate load information when paper is loaded. The printer has a printhead 2 that can move in a primary scanning direction and has discharge nozzles that discharge liquid onto continuous paper, and a tractor unit 4 that is driven by a DC motor Mt and conveys continuous paper toward the printhead 2 in a secondary scanning direction perpendicular to the primary scanning direction. The printer 1 and printing method also have a load information acquisition unit 23 that, when continuous paper is loaded in the tractor unit 4, drives the tractor units 4 at at least two different constant conveyance speeds V1, V2, and acquires load information I1, I2 for the DC motor Mt.

No. of Pages : 35 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2243/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/08/2011

(43) Publication Date : 11/10/2013

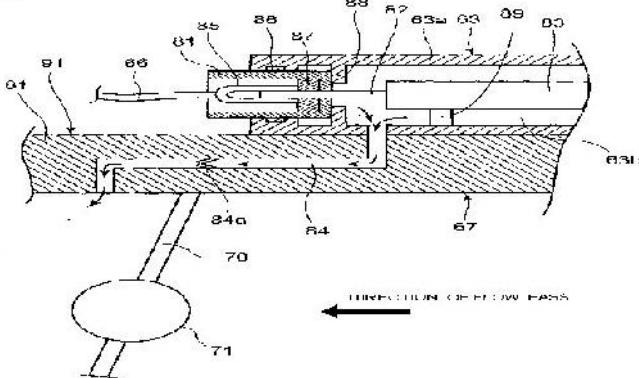
(54) Title of the invention : AIR VENT STRUCTURE OF WATERPROOF CONNECTOR FOR ENGINE CONTROL UNIT

(51) International classification	:B41D	(71)Name of Applicant :
(31) Priority Document No	:2010-194536	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:31/08/2010	Address of Applicant :1-1, MINAMI- AOYAMA 2-CHOME, MINATO-KU, TOKYO 107-8556, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)KOJI INOSE AND YUICHI TAKEDA</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 :

To provide an air vent structure of a waterproof connector that is capable of avoiding changes in the force required to connect the waterproof connector to and disconnect it from a control unit and reducing the size of the waterproof connector. [Constitution] The control unit 63, which controls an engine, is mounted on a throttle body 61 to which a throttle valve 70 for opening/closing an intake path 61 is journaled. The air vent structure includes the waterproof connector 81 that is coupled to a vehicle body side harness 66 and connected to the control unit 63 through waterproof packings 86, 87. An air vent path 84 is formed to let the intake path 67 communicate with an internal space 63b of the control unit 63 through a one-way valve 84a. The air vent path 84 is formed so as to communicate with the intake path 67 on a downstream side of the throttle valve 70. The control unit 63 is mounted on an upper wall surface 91 of the throttle body 61, which is positioned toward the upper side of the vehicle body. The waterproof connector 81 is connected from a lateral or upper side of the control unit 63, which is substantially shaped like a rectangular parallelepiped. [Selected Drawing] Fig. 6.

FIG. 6



No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2303/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : UPLINK RESOURCE ALLOCATION IN UNIVERSAL MOBILE TELECOMMUNICATION SYSTEM

(51) International classification	:B60D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ALCATEL-LUCENT</b>
(32) Priority Date	:NA	Address of Applicant :3, AVENUE OCTAVE GREARD,
(33) Name of priority country	:NA	75007, PARIS, FRANCE
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DHINGRA Vikas</b>
(87) International Publication No	: NA	<b>2)WONG Shin Horng</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 subject matter discloses systems and methods for allocation of uplink resources in a wireless communication system. In one implementation a method comprising transmitting a preamble signature pertaining to an Enhanced Dedicated Channel (E-DCH) to request an E-DCH resource in a random access procedure and receiving in response a fallback indication is described. In one embodiment the fallback indication indicates availability of an alternate resource.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2304/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SHARING UP-LINK RESOURCES IN UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

(51) International classification	:B60D	(71) <b>Name of Applicant :</b> <b>1)ALCATEL-LUCENT</b> Address of Applicant :3, AVENUE OCTAVE GREARD, 75007, PARIS, FRANCE
(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)WONG Shin Horng</b>
(87) International Publication No	: NA	<b>2)DHINGRA Vikas</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 subject matter discloses a method for sharing a enhanced uplink dedicated channel (E-DCH) resource from amongst a plurality of E-DCH resources on time multiplex basis. In one implementation the method comprises receiving from a user equipment (UE) a random access procedure (RAP) request for allocation of the common E-DCH resource from amongst a plurality of common E-DCH resources. The method further includes identifying the common E-DCH resource to be time multiplexed between a plurality of UEs based on the RAP request. The method also includes allocating the identified common E-DCH resource to the UE on a time multiplex basis wherein the common E-DCH resource is shared among the plurality of UEs.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2305/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DATA TRANSFER IN COMMUNICATION NETWORKS

(51) International classification	:B60D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ALCATEL-LUCENT</b>
(32) Priority Date	:NA	Address of Applicant :3, AVENUE OCTAVE GREARD,
(33) Name of priority country	:NA	75007, PARIS, FRANCE
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)WONG Shin Horng</b>
(87) International Publication No	: NA	<b>2)PHAM Thang</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DHINGRA Vikas</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter discloses systems and methods for data transfer in communication networks. In one implementation the method comprises determining a skew time based in part on a maximum skew time of the communication network and a probability of a data packet being delayed during transmission over the communication network. The method further includes detecting at least one missing data packet transmission and initiating retransmission of the at least one missing data packet after a time interval exceeding the determined skew time.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2185/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LODHI ELECTRONIC SECURITY SYSTEM

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(51) International classification	:G09D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)RAM PRAKASH</b>
(32) Priority Date	:NA	Address of Applicant :THATHYA ROAD, DURGA NAGAR
(33) Name of priority country	:NA	TIRWAHANJ, DISTT KANNAUJ Uttar Pradesh India
(86) International Application No	:NA	<b>2)YOGENDER SINGH</b>
Filing Date	:NA	<b>3)DHEERAJ</b>
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)RAM PRAKASH</b>
Filing Date	:NA	<b>2)YOGENDER SINGH</b>
(62) Divisional to Application Number	:NA	<b>3)DHEERAJ</b>
Filing Date	:NA	

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(57) Abstract :

The process of this invention is the simplicity of its method combines with in establishing new horizons of application. There are no known processes for LODHI ELECTRONIC SECURITY SYSTEM on an industrial scale and hence no prior art available. The inventor of the present invention has observed that the LODHI ELECTRONIC SECURITY SYSTEM is formed presumably very effective for Car, Power Houses, Industrial Area, Defence and many other fields.

No. of Pages : 4 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2244/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :09/08/2011

(43) Publication Date : 11/10/2013

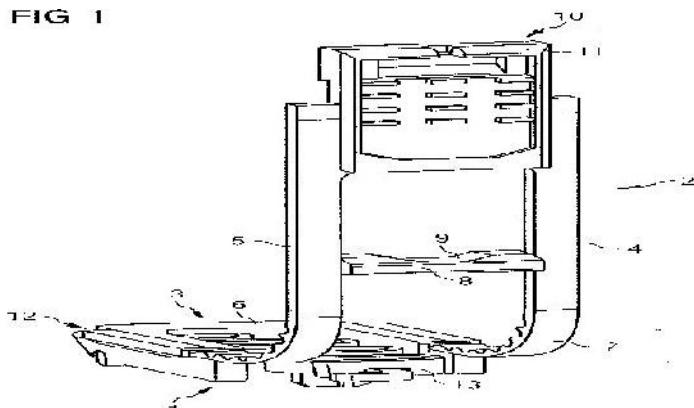
(54) Title of the invention : SLIDER DEVICE FOR ATTACHMENT OF A HOUSING

(51) International classification	:B41D	(71) Name of Applicant :
(31) Priority Document No	:102010040322.9	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:07/09/2010	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:Germany	MUNCHEN, GERMANY
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	<b>1)SUDHANVA MARATHE</b>
(87) International Publication No	:NA	<b>2)AMIT PATIL</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ALFRED REINELT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Slider device for attachment of a housing The invention relates to a slider device (1) for attachment of a housing to a rail with an actuating element (10), a locking element (12) and a connecting area (.7) between the actuating element (10) and the locking element (12). The invention is characterized in that a first insulating element (15) to cover a conductive contact element of an electrical installation device is arranged in the connecting area (7). (Fig. 1)

**FIG 1**



No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.2245/DEL/2011 A

(43) Publication Date : 11/10/2013

---

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

(51) International classification	:B41D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-181759	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO , JAPAN
(32) Priority Date	:16/08/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KEN MIYASHITA, SHUNICHI KASAHARA, IKUO YAMANO, KAZUYUKI YAMAMOTO AND HIROYUKI MIZUNUMA</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus and method provide logic for processing information. In one implementation, an information processing device includes a housing and a display unit configured to display at least a portion of a first content to a user. A projection unit is configured to project at least a portion of a second content onto a projection surface. A detection unit configured to detect a displacement between the projection surface and a portion of the housing, the housing being configured to support the display unit, the projection unit, and the detection unit. The detection unit is further configured to determine whether the displacement falls within a threshold distance. The projection unit is further configured to project the second portion of the content onto the projection surface, when the displacement falls within the threshold distance.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.2246/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : Implantable Micro Device for Treating Glaucoma

(51) International classification

:B41D

(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)Arturo Maldonado Bas**

Address of Applicant :Achaval Rodriguez 544 Cordoba Argentina

**2)Tomas Pfrtner**

(72)Name of Inventor :

**1)Arturo Maldonado Bas**

**2)Tomas Pfrtner**

(57) Abstract :

A device is made up of one piece having a drainage tube portion and a wing portion forming a cover with an anterior end of the drainage tube portion being introduced 2 mm into the anterior chamber of the eye while a rear end of the tube portion covered by said cover is placed in the scleral lake with the cover being a plane body slight in height and oval or oblong in format.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2313/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : FLUORESCENCE OBSERVATION SYSTEM AND SET OF FILTERS

(51) International classification	:C07D
(31) Priority Document No	:US 61/371,885
(32) Priority Date	:09/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CARL ZEISS MEDITEC AG

Address of Applicant :GOESCHWITZER STRASSE 51-52,  
07745 JENA, GERMANY

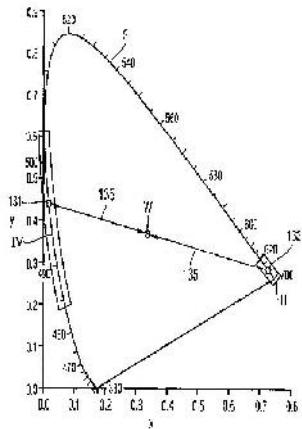
(72)Name of Inventor :

1)JESS, HELGE

2)GUCKLER, ROLAND

(57) Abstract :

A set of filters for fluorescence observation comprises an illumination light filter and an observation light filter, wherein the following is holds: (Equation Removed) wherein: designates the wavelength,  $T_1(\lambda)$  is the transmission characteristic of the illumination light filter,  $T_0(\lambda)$  is the transmission characteristic of the observation light filter, and  $A_1, A_2$  are numbers between 0 and 1,  $r$  is a coordinate in the CIE xy chromaticity diagram of the CIE 1931 XYZ color space,  $S$  is a line called the spectral locus in the CIE xy chromaticity diagram of the CIE 1931 XYZ color space, and  $W$  is the white point in the CIE xy chromaticity diagram of the CIE 1931 XYZ color space. Figure 3



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.1054/DEL/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR MANUFACTURING OF ANTI RIDGING FERRITIC STAINLESS STEEL SHEETS WITH SINGLE STAGE COLD ROLLING

(51) International classification	:C22C
(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)JINDAL STAINLESS**

Address of Applicant :O.P.JINDAL MARG, HISAR,  
HARYANA-125005, INDIA.

(72)**Name of Inventor :**

**1)NAGARAJAN.P**

**2)SINGHAL LOKESH KUMAR**

(57) Abstract :

The subject matter described herein is directed to a method for manufacturing of anti-ridging sheets with single stage cold rolling without any annealing of HR coil. Ferritic stainless steel melt with appropriate chromium content is continuously cast into slab or into a bloom. The cast steel contains chemical composition as per standard specified in ASTM 240 for AISI 430. Such slab/bloom is hot rolled into coil as per normal practice. Hot rolled coil or cut sheets are then descaled and cold rolled in the direction perpendicular to the hot rolling direction, with a cold reduction of about 55-80%. This sheets are then annealed for recrystallization at about 750-820 C, again descaled and skinned. Thus, annealing of hot rolled coil prior to cold rolling is not necessary to get anti ridging characteristics. Further, two-stage cold rolling with intermediate annealing is also not required as is the case in the conventional methods.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2188/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GRAVITY ACTUATED WINDMILL

(51) International classification	:B64D
(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)JAI CHAND**

Address of Applicant :VILLAGE CHANETI, YAMUNA  
NAGAR, HARYANA India

(72)Name of Inventor :

**1)JAI CHAND**

(57) Abstract :

Rotor of this invention is useful for receiving energy of wind. Rotor has plurality of arms. Each arm has a rectangular frame. A sail has area equal to that of frame. Sail is fixed to outer side of frame. Other end of sail is free to move along with rod attached to it. Sides of sail are attached to the sides of the frame, transverse to the length of rotor with the help of rings. These rings are movable freely along the bars holding them. When an arm is above the rotor shaft rings slip down due to gravity, spreading the sail in front of wind. This arm pushed by wind come in lower half and gets tilted. Rings slip away from shaft to fold the sail to outer end of frame. Rotor shaft extracts energy even from low velocity winds.

No. of Pages : 6 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2189/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD OF OPERATING A VEHICLE AND VEHICLE

(51) International classification	:B64D
(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)CONTINENTAL AUTOMOTIVE GMBH**

Address of Applicant :VAHRENWALDER STRAE 9, 30165  
HANNOVER, GERMANY

**(72)Name of Inventor :**

- 1)SHANBHAG, DEEPAK**
- 2)RAO, PRASHANTH**
- 3)TUPPAD, DEVARAJ**
- 4)KOLLU, NANDAKUMAR**
- 5)VIVEKANAND VEERAMANI**
- 6)PAWAR, VINAY**
- 7)VARGHESE, SHERIL, T.**

**(57) Abstract :**

A method of operating a vehicle provided with a combustion engine is described. According to the method the driver-actuated travel of the accelerator pedal of the vehicle is monitored for a predetermined period of time, and a semi-cruise-mode is put into an active state if the variations of the travel of the accelerator pedal are within a predetermined window for the said period of time. When the semi-cruise-mode enters into the active state a vehicle-speed-set-point is determined, and the actual vehicle speed is adjusted and maintained according to that vehicle-speed-set-point by the control unit of the vehicle. Accordingly, unintended variations of the vehicle speed caused by the driver can be avoided and the fuel consumption and/or the emissions of the vehicle can be reduced.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2310/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PRINT HEAD CONTROL DEVICE IN INK JET PRINTER

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(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-226174	<b>1)KABUSHIKI KAISHA TOKYO KIKAI SEISAKUSHO</b> Address of Applicant :26-24, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8375, JAPAN
(32) Priority Date	:06/10/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)SADATSUGU NAKAYAMA</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 :

A print head control device 4 in an ink jet printer IJP includes a print head drive board 42c3, a PCIe and an image processing computer 42c. The print head drive board 42c3 is configured by a circuit between the PCIe and the print head drive board 42c3, the circuit having an interface function and a print head drive function integrated therein. This circuit includes an FPGA configured to perform a rearrangement processing such that assigned page data is matched to alignment of print heads 50. Further, a device driver 42c7 which is control software for the print head drive board 42c3 performs an internal transfer processing of the assigned page data to the print head drive board 42c3.

No. of Pages : 27 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.1576/DELNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A PROCESS FOR PRODUCING AN ANILINE DERIVATIVE OF FORMULA (3) OR A PHARMACEUTICALLY ACCEPTABLE SALT OR SOLVATE THEREOF

(51) International classification	:C07C 211/52
(31) Priority Document No	:2002-142444
(32) Priority Date	:17/05/2002
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2003/06157
Filing Date	:16/05/2003
(87) International Publication No	:WO 2003/097572
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2731/delnp/2004
Filed on	:16/09/2004

(71)**Name of Applicant :**

**1)MEIJI SEIKA KAISHA, LTD.**

Address of Applicant :4-16, KYOBASHI 2-CHOME, CHUO-KU, TOKYO-TO, JAPAN

(72)**Name of Inventor :**

**1)TOSHIO NISHIZUKA**

**2)HIROSHI KURIHARA,**

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(57) Abstract :

A process for producing an aniline derivative of formula (3) or a pharmaceutically acceptable salt or solvate thereof, comprising the step of deprotecting the protected amino in the compound of formula (1) as defined in any one of claim 12 under acidic or basic conditions: wherein n, R1, R2, and X are as defined in claim 1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2268/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PARASITE PICKING GEAR

(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)AMITY UNIVERSITY**

Address of Applicant :AMITY UNIVERSITY CAMPUS,  
SECOTR - 125, NOIDA - 201303, Uttar Pradesh India

(72)Name of Inventor :

**1)SOHINI SINGH**

**2)TANU ALLEN**

**3)CHARUL SHARMA**

**4)DIPTI SINGH**

(57) Abstract :

The invention relates to a gear for picking living parasites or microscopic organism for example Meloidogyne juvenile or male or various stages of monogenians comprising a wire made up of a thermoplastic material with multiple split ends at one end to pick up the parasite and a handle at the other end. The parasite is picked up quite easily as the number of bristles are quite enough to form a cushioning base, neither too large in which the parasite gets lost nor too small to withstand the surface tension of the solution.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2269/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESS FOR PREPARATION OF PURE DEFERASIROX

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(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)Ind-Swift Laboratories Limited**

Address of Applicant :S.C.O. No. 850 Shivalik Enclave NAC  
Manimajra Chandigarh India

(72)Name of Inventor :

**1)BHIRUD SHEKHAR BHASKAR**

**2)JOHAR PERMINDER SINGH**

**3)MISHRA SUSHANTA**

(57) Abstract :

The present invention provides an improved efficient safe and convenient process for preparation of highly pure deferasirox. The present invention also provides a novel process for purification of deferasirox by using quaternary ammonium hydroxides as a base.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2336/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONTINUOUSLY VARIABLE TRANSMISSION FOR VEHICLE

(51) International classification	:B41C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0117460	<b>1)HYUNDAI MOTOR COMPANY</b> Address of Applicant :231 YANGJAE-DONG, SEOCHO-GU, SEOUL, REPUBLIC OF KOREA
(32) Priority Date	:24/11/2010	<b>2)KIA MOTORS CORPORATION</b>
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)KIM IN CHAN</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 continuously variable transmission may include a shift belt apparatus and a forward/reverse control apparatus. The forward/reverse control apparatus may include a planetary gear set consisting of first and second planetary gear sets, first clutch, and first and second brakes. The planetary gear set may include a first rotation element directly connected to an input shaft so as to be always operated as an input element, a second rotation element selectively connected to the input shaft through the first clutch so as to be operated as a selective input element and selectively connected to a transmission housing through the second brake so as to be operated as a selective fixed element, a third rotation element directly connected to an output shaft so as to be always operated as an output element, and a fourth rotation element selectively connected to the transmission housing through the first brake so as to be operated as a selective fixed element.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2338/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FILTER POCKET ARRANGEMENT WITH INCREASED FILTER MEDIA AREA

(51) International classification	:B41C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/872,379	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:31/08/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)EYERS WILLIAM KEITH ALBERT</b>
Filing Date	:NA	<b>2)NIKOLIN PRZEMYSLAW KRZYSZTOF</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 filter pocket arrangement (44) that provides increased filter media area is described. In one embodiment, each filter pocket (90) includes a pocket mouth (92) that attaches to a filter frame (80) and a pocket body (94) extending longitudinally away from the pocket mouth (94) to a closed end (96). The closed end (96) is folded back inward towards the pocket mouth (94) to form a tuck fold (98) that defines a first sub-filter pocket (100) and a second sub-filter pocket (102) at the pocket mouth (94). The first sub-filter pocket (100) and the second sub-filter pocket (102) each has a sub-pocket mouth (94) that coincides with a portion of the pocket mouth (94), with sidewalls (106) extending longitudinally therefrom to form an apex (108) at the closed end (96) of the filter pocket (90). The first sub-filter pocket (100) is separated from the second sub-filter pocket (102) by the tuck fold (98).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.2209/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FAN MODULE

(51) International classification	:B64D	(71)Name of Applicant :
(31) Priority Document No	:099144754	<b>1)Sunonwealth Electric Machine Industry Co. Ltd.</b>
(32) Priority Date	:20/12/2010	Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.
(33) Name of priority country	:Taiwan	Lingya Dist. Kaohsiung R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Alex HORNG</b>
(87) International Publication No	: NA	<b>2)Wen-Kuan CHEN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fan module includes a housing and an impeller. The housing has an axial air inlet, a radial air inlet and at least one radial air outlet. The impeller is rotatably disposed in the housing and has a first air-guiding blade, a second air-guiding blade and a partitioning member. The partitioning member separates an interior space of the housing into a first air channel and a second air channel, and the first air-guiding blade is located in the first air channel and the second air-guiding blade is located in the second air channel.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2340/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : EXHAUST TREATMENT SYSTEM AND METHOD OF OPERATION

(51) International classification	:B41C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/873,141	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:31/08/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)NORTON DANIEL GEORGE</b>
Filing Date	:NA	<b>2)WINKLER BENJAMIN HALE</b>
(87) International Publication No	:NA	<b>3)MHADESHWAR ASHISH BALKRISHNA</b>
(61) Patent of Addition to Application Number	:NA	<b>4)HANCU DAN</b>
Filing Date	:NA	<b>5)BUDDLE STANLEE TERESA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An exhaust treatment system is provided. Method of increasing activation of NOx reduction catalyst using two or more reductant is discussed. The exhaust treatment system includes an exhaust source, a reductant source, a nitrogen oxide (NOx) reduction catalyst, a sensor, and a controller. The reductant source includes a first reductant and second reductant, and is disposed to inject a reductant stream into an exhaust stream from the exhaust source. The NOx catalyst is disposed to receive both the exhaust stream and reductant stream. The sensor is disposed to sense a system parameter related to carbon loading of the catalyst and produce a signal corresponding to the system parameter. The controller is disposed to receive the signal and to control dosing of the reductant stream based at least in part on the signal.

No. of Pages : 35 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2469/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A BIOACTIVE DATURA EXTRACT TO INHIBIT THE GROWTH OF HELICOBACTER PYLORI

(51) International classification	:A01J
(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)AMITY UNIVERSITY**

Address of Applicant :AMITY UNIVERSITY CAMPUS,  
SECTOR-125, NOIDA-201303, UP, INDIA NATIONAL  
INSTITUTE OF CHOLERA AND ENTERIC DISEASES, P-33,  
C.I.T. ROAD, SCHEME-XM, POST BOX-177, BELIAGHATA,  
KOLKATA-700010 India

**2)NATIONAL INSTITUTE OF CHOLERA AND  
ENTERIC DISEASES (NICED)**

**(72)Name of Inventor :**

**1)DR.SHOMA PAUL NANDI**

**2)SHUBHI MEHROTRA**

**3)DR.ASISH KUMAR MUKHOPADHYAY**

**4)DR.ASHWANI KUMAR SRIVASTAVA**

---

**(57) Abstract :**

The present invention relates to the use of an organic extract of the plant, Datura metel to inhibit the growth of Helicobacter pylori as alternative and/or as active agents used along with antibiotics for treatment of H.pylori infection. Minimum inhibitory concentration against the pathogenic bacterium is performed to check the efficiency of the bioactive extract. The extracts were also analysed by TLC (both 1-D and 2-D) and bioautography against the pathogenic bacterium. The bioactive spot was identified by doing bioautography. The invention particularly can be used to prepare a pharmaceutical composition useful to inhibit the growth of H.pylori.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2470/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR IMMOBILIZATION OF ALKALINE PHOSPHATASE EXTRACTED FROM AZADIRACHTA INDICA IN BOVINE SERUM ALBUMIN MICROSPHERES

(51) International classification	:A01J	(71) <b>Name of Applicant :</b> <b>1) AMITY UNIVERSITY</b> Address of Applicant : AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA-201303 Uttar 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> <b>1) KIRTI RANI SHARMA</b>
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for immobilization of alkaline phosphatase extracted from Azadirachta indica in bovine serum albumin for entrapment using cross linking reagents such as glutaraldehyde and emulsifier such as coconut oil. The emulsification with emulsifier such as coconut oil increases the stability of encapsulated microspheres as well as is responsible for sustained release of enzyme in the delivery system in the presence of proteolytic enzymes. Even partially purified enzyme can be immobilized with good percentage of immobilization in microspheres. The prepared encapsulated emulsified Bovine serum albumin microspheres with the action of proteolytic enzymes (trypsin, papain, chymotrypsin and proteases) can be used for further industrial applications.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/03/2012

(21) Application No.2533/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AN INNOVATIVE PROCEDURE FOR STORING AND PACKING OF MYCORRHIZAL BASED BIOFERTILIZERS

(51) International classification	:F21S	(71) <b>Name of Applicant :</b> <b>1)THE ENERGY AND RESOURCES INSTITUTE (TERI)</b> Address of Applicant :DARBARI SETH BLOCK, IHC COMPLEX, LODI ROAD, NEW DELHI 110 003 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. ALOK ADHOLEYA</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 generally to the field of developing biofertilizers of organic origin and mycorrhizal origin in particular. The invention lays emphasis on not only the isolation and characterization of the various formulations and ensuing compositions developed thereof from the vesicular arbuscular mycorrhizal fungal propagules but a yet another key aspect of storing them effectively for use at a later stage. The invention more particularly attempts to describe an innovative procedure for the storing and subsequent packing of the isolated biofertilizer formulations as well as the consequent compositions developed from them

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.1537/DELNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ULTRA HIGH-TEMPERATURE PLASTIC PACKAGE AND METHOD OF MANUFACTURE

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(51) International classification	:C08G 85/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/054451
Filing Date	:20/08/2009
(87) International Publication No	:WO 2011/022010
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)INTERPLEX QLP, INC.

Address of Applicant :14-34 110TH STREET, SUITE 301,  
COLLEGE POINT, NY 11356, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

1)MICHAEL ZIMMERMAN

(57) Abstract :

A package for microelectronic circuits includes a frame made of a high molecular weight plastic material, such as a liquid crystal polymer (LCP), attached to a flange, or leadframe. The plastic material is injection molded to the flange. Initial polymerization of the plastic material can occur in a liquid state and results in an intermediate material having an initial melting temperature. After the frame is injection molded, the frame is heated and undergoes further (secondary) polymerization, thereby lengthening polymer chains in the plastic material. These longer polymer chains have higher molecular weight, and the resulting final material has a higher melting temperature, than the intermediate material. The resulting ultra-high molecular weight polymer can withstand high temperatures, such as those encountered during soldering. Thus, after the further (secondary) polymerization, a die can be soldered to the flange, without damaging the plastic frame.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2236/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TAMPER OBVIOUS CLOSURE DEVICE FOR BOTTLES AND CONTAINERS

(51) International classification	:B27D
(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)Kshitij Jain

Address of Applicant :BG / 46 East Shalimar Bagh Delhi  
India

(72)Name of Inventor :

1)Kshitij Jain

(57) Abstract :

A closure device for bottles and bottle like containers with means for indicating evidence of first opening or tampering the device comprising stopper means (2), stopper ball (7), pourer body (4), tubular element (3), inner cap (5), and top (6), wherein irreversibly released flap (55) on the said inner cap (5) demonstrates the evidence of opening or tampering of the device. When device is opened for the first time, the flap (55) is released from the tubular element through sealing ring (35) and cannot be inserted again in the tubular element. Therefore, an expanded flap (55) makes the opening or tampering of the device obvious to the user.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2366/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN IMPROVED PROCESS FOR SYNTHESIS OF -/- d- HYDROXY SULFIDES USING IONIC LIQUID AS AN ORGANO CATALYST<sup>TMTM</sup>

(51) International classification	:C07D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER)
(32) Priority Date	:NA	Address of Applicant :Sector-67 S.A.S Nagar (Mohali) Punjab-160062 India
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	1)Asit Kumar Chakraborti
(87) International Publication No	: NA	2)Sudipta Raha Roy
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved efficient and green approach for synthesis of  $\text{I}^2$ - hydroxysulfides or  $\text{I}'$ - hydroxysulfides using ionic liquid as an organo catalyst. The invention also describes opening of unsymmetrical oxiranes to yield regioisomeric  $\text{I}^2$ - hydroxysulfides product and the ratio of regioisomeric product can be controlled by selection of an appropriate counter anion of the ionic liquid. Further the present invention provides a process for the synthesis of cis-( $\pm$ )-2-(4-methoxyphenyl)-3-hydroxy-2 3-dihydro-1 5-benzothiazepine-4(5H)-one which is common intermediate for the synthesis of diltiazem.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2367/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : RACK-LEVEL MODULAR SERVER AND STORAGE FRAMEWORK

(51) International classification

:G06C

(31) Priority Document No

:12/939,939

(32) Priority Date

:04/11/2010

(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)DELL PRODUCTS L.P.**

Address of Applicant :ONE DELL WAY, ROUND ROCK,  
TEXAS 78682-2244, U.S.A.

(72)Name of Inventor :

**1)GERMAN FLOREZ-LARRAHONDO**

**2)JIMMY PIKE**

**3)JIMMY PIKE**

**4)JOHN STUEWE**

**5)JOSEPH SEKEL**

**6)RICHARD MILLS**

**7)JOE VIVIO**

---

(57) Abstract :

A modular rack-level server and storage framework is disclosed. The modular rack system includes a plurality of chassis placed in one or more racks and a plurality of sleds placed in each chassis. Each sled includes an information handling system, a shared fan module, a shared power module, and a shared management module. The shared fan module cools the plurality of sleds in each chassis and the shared power module supplies power to one or more sleds in one or more chassis. The shared management module manages the operation of the plurality of chassis.

No. of Pages : 52 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.2734/DEL/2011 A

(43) Publication Date : 11/10/2013

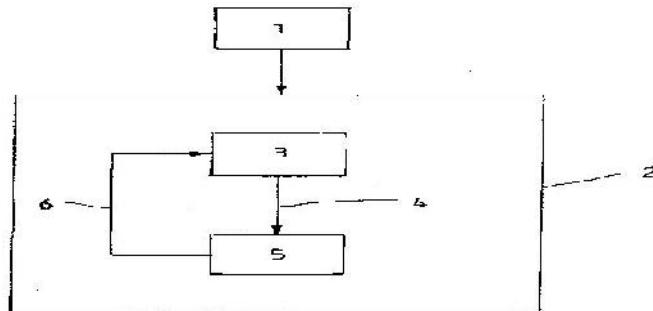
(54) Title of the invention : A PROCESS FOR PRODUCING A POSITIVE NICKEL HYDROXIDE ELECTRODE FOR A NICKEL-METAL HYDRIDE OR NICKEL CADMIUM STORAGE BATTERY

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:10 2010 048 009.6	<b>1)HOPPECKE BATTERIE SYSTEME GMBH</b> Address of Applicant :INDUSTRIEGBIET BREMECKETAL, 59929 BRILON, Germany
(32) Priority Date	:09/10/2010	(72)Name of Inventor :
(33) Name of priority country	:Germany	<b>1)SCHAFFRATH, RER. NAT. UWE</b> <b>2)OHMS, RER. NAT DETLEF</b> <b>3)BENCZUR-URMOSSY, RER. NAT. GABOR</b> <b>4)MARKOLF, DIPL.-ING. RAINER</b> <b>5)SCHMELTER, KATJA</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a process for producing a positive nickel hydroxide electrode for a nickel-metal hydride or nickel-cadmium storage battery. In order to obtain a positive nickel hydroxide electrode with an improved current yield, the invention proposes a process for producing a positive nickel hydroxide electrode for a nickel-metal hydride storage battery or a nickel-cadmium storage battery, in which a positive nickel hydroxide electrode produced in an earlier stage in the process is after-treated by introducing a saline solution into the active mass contained in an electrode carrier structure of the electrode. (Figure1)

Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2178/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SENSOR ARRANGEMENT FOR A CONSTRUCTION MACHINE

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 008	<b>1)Joseph Vgele AG</b>
	250.2	Address of Applicant :Joseph Vgele-Strasse 1 67067
(32) Priority Date	:06/08/2010	Ludwigshafen/Rhein Germany
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)Achim EUL</b>
Filing Date	:NA	<b>2)Horst RAMB</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 sensor arrangement (2) for a construction machine (1) with a sensor (5) which is set up for gathering measurement data from a sampling region (6) or from a sampling point. The invention is characterised in that an illumination device (8) for illuminating the sampling region (6) or the sampling point is integrated into the sensor arrangement (2).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2240/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FAN MODULE

(51) International classification

:A64D

(31) Priority Document No

:099144213

(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

(71)Name of Applicant :

**1)Sunonwealth Electric Machine Industry Co. Ltd.**

Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.  
Lingya Dist. Kaohsiung R.O.C. Taiwan

(72)Name of Inventor :

**1)Alex HORNG**

**2)Wen-Kuan CHEN**

(57) Abstract :

A fan module includes a housing and at least one impeller. The housing includes first and second air channels. The housing further includes an axial air inlet in communication with the first air channel and a radial air inlet in communication with the second air channel. The housing further includes at least one radial air outlet in communication with the first and second air channels.....

No. of Pages : 37 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2300/DEL/2011 A

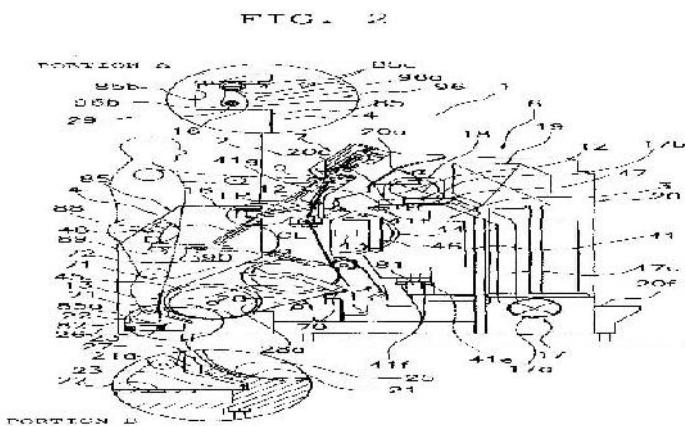
(43) Publication Date : 11/10/2013

(54) Title of the invention : SPINNING MACHINE

(51) International classification	:B60D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-202656	<b>1)MURATA MACHINERY, LTD.</b>
(32) Priority Date	:10/09/2010	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)YOKOTA ITARU</b> <b>2)UEDA KENICHI</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 machine includes spinning units, a package receiving section, a step, and a tiptoe accommodating section. The spinning units are arranged along a first direction, and each of the spinning units includes a winding section adapted to wind a package. The package receiving section is arranged along the first direction and next to the winding section. The package receiving section is located between the step and the spinning units. The step is arranged along the first direction, and located at a position lower than the package receiving section. The step includes a step surface adapted to enable a foot of an operator to be placed. The tiptoe accommodating section includes space adapted to accommodate tiptoe of the foot of the operator standing on the step surface, and is formed to enter below the package receiving section. Most Illustrative Drawing: FIG. 2



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2370/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : AIRFOIL SHAPE FOR COMPRESSOR

(51) International classification

:B23B

(31) Priority Document No

:CO2010A00045

(32) Priority Date

:25/08/2010

(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)NUOVO PIGNONE S.P.A.**

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

(72)Name of Inventor :

**1)LANESE NICOLA**

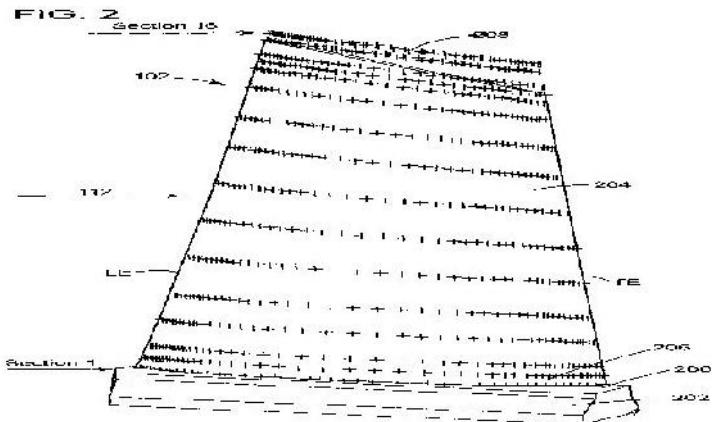
**2)LORUSSO SALVATORE**

**3)ARINCI PAOLO**

**4)GRIMALDI ANTONIO MARIA**

(57) Abstract :

Devices, systems and methods according to exemplary embodiments provide blades, e.g., as part of a rotor or a stator associated with a turbo machine, with particular shapes to optimize operating characteristics. Among other things, blade thickness as a function of blade height can be tailored to operating characteristics of the turbo machine. Fig. 2



No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2012

(21) Application No.2615/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A SHORT MANUFACTURING PROCESS FOR SEMI-FINISHED AND/OR FINISHED PRODUCTS USING A LOOM

(51) International classification

:B60Q

(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 short manufacturing process for self-stitched products using a loom. The products comprise of semi-finished and/or finished products, which are obtained directly from loom.

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

(71)Name of Applicant :

**1)NORTHERN INDIA TEXTILE RESEARCH  
ASSOCIATION,**

Address of Applicant :(LINKED TO MINISTRY OF  
TEXTILES, GOVT, OF INDIA), SECTOR-23, RAJ NAGAR,  
GHAZIABAD-201 002, Uttar Pradesh India

(72)Name of Inventor :

**1)JUTURU VENKATA RAO,  
2)ANIL KUMAR PANDEY  
3)VANDRANKI SATYANARAYANA  
4)VANDRANKI RAMESH**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.2746/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SELF-PROPELLED CIVIL ENGINEERING MACHINE

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:10 2010	1)WIRTGEN GMBH
	048 185.8	Address of Applicant :REINHARD-WIRTGEN-STRÆ 2
(32) Priority Date	:13/10/2010	WINDHAGEN 53578 (DE) Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:NA	1)MENZENBACH, CHRISTOPH
Filing Date	:NA	2)VON DER LIPPE, JOERN
(87) International Publication No	:NA	3)BARIMANI, CYRUS
(61) Patent of Addition to Application Number	:NA	4)HAEHN, GUENTER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a self-propelled civil engineering machine which has running gear 1 which has wheels or other running-gear units 2, 3; 4, 5 which are at the front and the rear in the direction of working I, and a chassis 6 of the machine which is adjustable in the heightwise direction and which is carried by the running gear. The civil engineering machine according to the invention is characterised by an arrangement 13 for assisting the driver of the machine when reversing which has a unit 17 for sensing the position of the front and rear wheels or other running-gear units and a calculating unit 16 to determine data which defines at least one trajectory (T1 to T6) of the civil engineering machine as a function of the position of the front and rear wheels or other running-gear units 2, 3; 4, 5, both as a function of a steering angle (a) stipulated with a unit having controls and as a function of a mode of steering selected with the unit having the controls. As well as this, the arrangement 13 for assisting the driver of the machine when reversing also has an image detecting unit 15 for detecting an image of the rear part of the civil engineering machine and a display unit 14 for displaying the detected image of the rear part of the civil engineering machine. By an image processing unit 18, a representation of the at least one trajectory (T1 to T6) by which the movement of the civil engineering machine is defined is superimposed on the image of the rear part of the civil engineering machine which is displayed on the display unit 14. (Fig. 2)

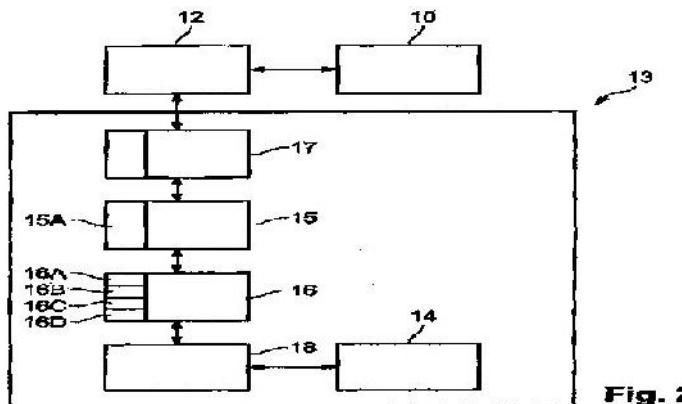


Fig. 2

No. of Pages : 31 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/08/2011

(21) Application No.2306/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GREEN-COOLANT HEAT RECOVERY SYSTEM

---

(51) International classification

:H01T

(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) Abstract :

The disclosure is directed to a method of utilizing the unused heat of coolant which is liberated to the surrounding and then utilized to run the various component of Internal combustion engine and hence increases the efficiency of our Internal combustion engine and results in more eco-friendly engine.

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

(71)Name of Applicant :

**1)GAURAV SHARMA S/o. SH. MUKESH SHARMA**

Address of Applicant :34 BANDHU NAGAR

MURLIPURA SIKAR ROAD JAIPUR India

(72)Name of Inventor :

**1)GAURAV SHARMA S/o. SH. MUKESH SHARMA**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2307/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A MODULAR ROBOTIC SYSTEM

(51) International classification	:B64D	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR,</b> Address of Applicant :KANPUR-208016, Uttar 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)BISHAKH BHATTACHARYA</b>
(87) International Publication No	:NA	<b>2)ANKUR AGRAWAL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a modular robotic system comprising of at least two robotic modules in which each module comprising of differential drive mechanism with rotational degree of freedom and a locking mechanism. Thus, the modules can be assembled autonomously into one unit to form a robot of greater functionality like ability to climb obstacles, cross crevices, climb a pole, etc.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2309/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PLANT CONTROL SYSTEM

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-193070	<b>1)HITACHI, LTD.</b> Address of Applicant :6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8280 JAPAN
(32) Priority Date	:31/08/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)EGUCHI TORU</b> <b>2)KUSUMI NAOHIRO</b> <b>3)SEKIAI TAKAAKI</b> <b>4)FUKAI MASAYUKI</b> <b>5)SHIMIZU SATORU</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 :

Robust control is provided despite a change in plant operation conditions by being provided with a function of autonomously learning control logics for reducing environmental impact substances and improving the operation efficiency of a plant in consideration of an expected plant operation state. A plant control system according to the present invention includes: a cost evaluation part that includes one of a combination of the operational information database and the operational property calculation part and a combination of the equipment information database and an equipment property calculation part and evaluates a plant operation cost using a property value calculated by the operational property calculation part or the equipment property calculation part; and an operation learning part that autonomously learns a method of generating a control signal supplied to a plant so as to optimize a cost evaluation value output from the cost evaluation part.

No. of Pages : 98 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2475/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : RISER ANNULUS FLOW METER AND METHOD

(51) International classification

:B27B

(31) Priority Document No

:12/882,447

(32) Priority Date

:15/09/2010

(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 mudline riser annulus flow meter includes a liner configured to be attached to a riser to cover a hole; a cover configured to be attached to the riser to cover the liner such that a cavity is formed by the liner and the cover; a sensor rod configured to be attached to the liner and to extend inside cavity, the sensor rod having a bore; a magnet assembly configured to be fixedly attached to the sensor rod; and a waveguide tube attached to the cover. The bore of the sensor rode is configured to receive the waveguide tube.

No. of Pages : 28 No. of Claims : 16

(71)Name of Applicant :

**1)HYDRIL USA MANUFACTURING LLC**

Address of Applicant :3300 N. SAM HOUSTON PARKWAY  
EAST, HOUSTON, TEXAS 77032 U.S.A.

(72)Name of Inventor :

**1)DIETZ DAVID ALBERT**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.2788/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR CONFIGURING AN ADAPTIVE PROCESSING OF PRIMARY SIGNALS BY THE TRANSMISSION OF SECONDARY SPREAD-FREQUENCY SIGNALLING SIGNALS

(51) International classification

:H04B

7/185

(31) Priority Document No

:1003790

(32) Priority Date

:24/09/2010

(33) Name of priority country

:France

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:WO

01/24408

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)THALES**

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

(72)Name of Inventor :

**1)ERWAN CORBEL**

**2)CEDRIC BAUDOIN**

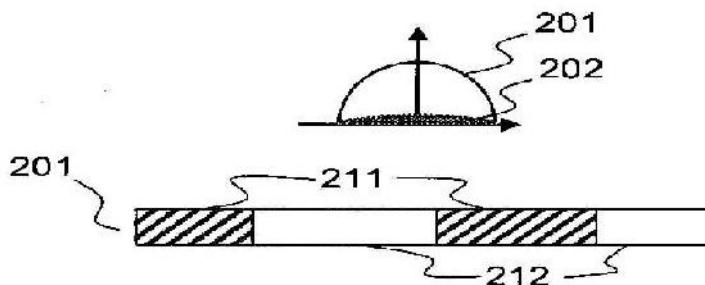
**3)MATHIEU DERVIN**

**4)ZAKARIYA FARAJ**

(57) Abstract :

The present invention relates to a method for configuring, in real time, an equipment item receiving and processing primary signals (201, 251, 252, 253) which are transmitted to it by satellite link, said method comprising the transmission of secondary signals (202, 260) with frequencies spread over a band at least partially overlapping the frequency band occupied by the primary signals (201), said secondary signals (202) comprising signalling parameters which are used, in real time, by said equipment item to configure the processing which is applied to the primary signals. The invention applies notably to the dynamic switching of beams in a multi-beam satellite and to the dynamic switching of frames, for example in a time-division multiple access system. Figure 2a to be published

**FIG.1**



**FIG.2a**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2198/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SHORT CIRCUIT CONTROL FOR HIGH CURRENT PULSE POWER SUPPLY

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/887,559	<b>1)KIDDE TECHNOLOGIES, INC</b>
(32) Priority Date	:22/09/2010	Address of Applicant :4200 AIRPORT DRIVE, NW,
(33) Name of priority country	:U.S.A.	WILSON, NORTH CAROLINA 27896, U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MICHAEL ISAACSON</b>
(87) International Publication No	:NA	<b>2)JOHNNY DEWAYNE WYATT</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JUNIOR GHANNET MOSES</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A power supply circuit apparatus, and method for controlling the same, includes multiple power supplies connected to a load via power channels and a controller. The controller detects a short circuit in the power supply based on a measured load input current.

No. of Pages : 13 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2261/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : APPARATUS FOR MAKING A FIBROUS ARTICLE

(51) International classification

:G01L

(31) Priority Document No

:12/855077

(32) Priority Date

:12/08/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

**(71)Name of Applicant :**

**1)JOHNSON & JOHNSON DOBRASIL INDUSTRIA**

**ECOMERCIO DE PRODUCTOS PARA SAUDE LTDA.**

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350, BRAZIL

**(72)Name of Inventor :**

**1)MARCO ANTONIO ALKMIN**

**2)JOSE FRANCISCO CAU**

**3)FRANCISCO J. V. HERNANDEZ**

**4)FRANCISCO ANTONIO RIMOLI**

**5)FRANCISCO SAVASTANO NETO**

**6)JOSE MANOEL SOARES COUTINHO**

---

**(57) Abstract :**

The present invention generally relates to a method and apparatus for a making a formed fibrous article and more specifically to method and apparatus for making a formed fibrous article useful as an absorbent core structure in a disposable sanitary article such as a sanitary napkin, panty liner, diaper or the like. The present invention also relates to a disposable sanitary article including a formed fibrous article according to the present invention as a core structure thereof.

No. of Pages : 44 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.2393/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF VALSARTAN

(51) International classification	:H02M 7/5387	(71) <b>Name of Applicant :</b> <b>1)JUBILANT LIFE SCIENCES LIMITED</b> Address of Applicant :PLOT 1A, SECTOR 16A, NOIDA-201 301, Uttar 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)JAIN SANDEEP</b>
(87) International Publication No	:NA	<b>2)SHEKHAWAT RAJENDRA SINGH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VIR DHARAM</b>
Filing Date	:NA	<b>4)AGARWAL ASHUTOSH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved process for the preparation of valsartan and pharmaceutically acceptable salts thereof, which is simple, devoid of toxic reagents, environment friendly, economically viable and industrially feasible. Further, the process of the present invention provides valsartan and pharmaceutically acceptable salts thereof with high enantiomeric purity.

No. of Pages : 21 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.2395/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : DIGITAL SOIL TEST AND FERTILIZER RECOMMENDATION (STFR) METER

(51) International classification

:H01B

(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) Abstract :

The present invention relates to a low cost, user friendly digital embedded system instrument which can quantitatively estimate available nutrients in soil such as organic carbon, nitrate, phosphorus, potassium, sulphur, zinc and boron. The available nutrient in a soil is extracted with a reagent and a colour is developed in the extract with another reagent. The colour intensity which is proportional to the amount of nutrient extracted is measured by this STFR meter. The instrument has five press buttons. UP and DOWN button is used to browse the instrument and ENTER button is used to select the nutrient to be measured. ESC button is used to go to the previous menu. RESET button is used to go to the opening menu. After estimating all the nutrients, fertilizer recommendation can be obtained for a selected crop and the selected yield target from the FERTILIZER DOSE item of the menu.

No. of Pages : 17 No. of Claims : 6

(71)Name of Applicant :

**1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH  
(ICAR)**

Address of Applicant :KRISHI BHAWAN, 1, DR.  
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(72)Name of Inventor :

**1)DR DATTA SAMAR CHANDRA**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.2897/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONNECTOR

(51) International classification	:F21Q
(31) Priority Document No	:2010-232853
(32) Priority Date	:15/10/2010
(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)SUMITOMO WIRING SYSTEMS, LTD.

Address of Applicant :1-14, NISHISUEHIRO-CHO,  
YOKKAICHI-CITY, MIE 510-8503, JAPAN

(72)Name of Inventor :

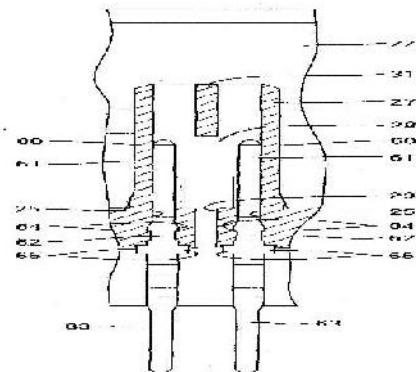
1)YOUJIROU HASHIMOTO

2)MITSUNORI KITAJIMA

(57) Abstract :

An object of the present invention is to prevent an air hole from being blocked by an external matter. An air hole 29 is formed to penetrate through a back wall 23 of a receptacle 22. Leading end portions 61 of male terminal fittings 60 are inserted into an inner portion 28 of a tubular portion 27 and the air hole 29 communicates with the inner portion 28. If a female connector is connected in a posture inclined from a proper connecting posture, the tubular portion 27 interferes with the female connector to prevent any further connecting operation. The tubular portion 27 surrounds a plurality of male terminal fittings 60 together. A wall portion 31 for partially closing openings of the inner portion 28 is formed at a leading end portion of the tubular portion 27. FIG. 4

FIG. 1



No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/02/2012

(21) Application No.1447/DELNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : BARRIER LAYER

(51) International classification	:H01L 31/042
(31) Priority Document No	:61/234,501
(32) Priority Date	:17/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045758
Filing Date	:17/08/2010
(87) International Publication No	:WO 2011/022397
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	
(62) Divisional to Application Number	:NA :NA
Filing Date	

(71)Name of Applicant :

**1)FIRST SOLAR, INC**

Address of Applicant :28101 CEDAR PARK BOULEVARD,  
PERRYSBURG, OH 43551, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)KEVIN V. CROTS**

**2)STEVE MURPHY**

(57) Abstract :

A method for manufacturing a photovoltaic module may include coating a portion of a substrate with a coating material; depositing a barrier material layer on at least a portion of an edge of the substrate; and curing the barrier material layer, where the barrier material layer is effective as a barrier to the coating material.

No. of Pages : 19 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2171/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SERVICE DEVICE FOR MAINTENANCE OF A SOLAR PANEL ARRANGEMENT

(51) International classification	:H02J
(31) Priority Document No	:10012717.4-2301
(32) Priority Date	:01/10/2010
(33) Name of priority country	:EPO
(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)FACHHOCHSCHOLE REGENSBURG  
Address of Applicant :SEYBOTHSTR. 2 93053  
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(72)Name of Inventor :

- 1)MONKMAN GARETH
- 2)BAAR CHRISTIAN
- 3)FISCHER ARTHUR
- 4)JAGER STEFAN
- 5)KILBERTUS SEBASTIAN
- 6)PATZAK ADRIAN
- 7)SCHUMM MICHAEL
- 8)TREIBER DANIEL

(57) Abstract :

The invention relates to a service device for maintenance of a solar panel arrangement, comprising a service unit for maintenance of at least one surface of the solar panel arrangement, a guiding unit for guiding the service unit with respect to the solar panel arrangement, and a driving unit for moving the service unit with respect to the solar panel arrangement, wherein the service unit comprises a first engagement section and a second engagement section, wherein the guiding unit is attachable to the first engagement section, the guiding unit being configured for direct engagement with an edge of the solar panel arrangement, wherein the driving unit is attachable to the second engagement section, and wherein the second engagement section is displaceable with respect to the first engagement section by the driving unit. (Fig. 5)

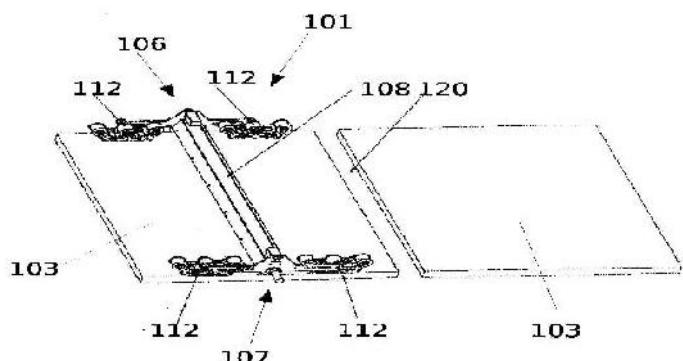


Fig. 5

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2295/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : LAMP

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:100108662	<b>1)Sunonwealth Electric Machine Industry Co. Ltd.</b>
(32) Priority Date	:15/03/2011	Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.
(33) Name of priority country	:Taiwan	Lingya Dist. Kaohsiung R.O.C. Taiwan
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)I-Le FANG</b>
(87) International Publication No	: NA	<b>2)Wei-Jen CHEN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Ming-Tsung LI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lamp includes a housing a heat sink a cooling fan and a light-emitting module. The housing has an assembling opening and an electrical connection member on two ends thereof wherein the housing further comprises an inner wall and a portion of the inner wall adjacent to the assembling opening is an air-guiding wall. The heat sink has a base plate disposed at the assembling opening of the housing wherein the base plate has at least one partitioning board defining an air channel of the heat sink. ....

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/08/2011

(21) Application No.2491/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR PRODUCING LOW-SUBSTITUTED HYDROXYPROPYLCELLULOSE

(51) International classification	:C07D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-205483	<b>1)SHIN-ETSU CHEMICAL CO. LTD.</b> Address of Applicant :6-1 Otemachi 2-chome Chiyoda-ku Tokyo JAPAN
(32) Priority Date	:14/09/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)KITAMURA Akira</b> <b>2)SUZUKI Takahiro</b> <b>3)NARITA Mitsuo</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a method for producing low-substituted hydroxypropylcellulose in which depolymerization capable of achieving a target viscosity in a short time is carried out safely after an etherification reaction step. More specifically provided is a method for producing low-substituted hydroxypropylcellulose having a degree of hydroxypropoxy substitution of from 9.5 to 16.0% by weight comprising at least a step of reacting alkali cellulose with an etherifying agent and a step of carrying out depolymerization after the reaction.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/12/2010

(21) Application No.3096/DEL/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FUEL SUPPLY DEVICE OF VEHICULAR ENGINE

(51) International classification	:F02M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-002084	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN.
(32) Priority Date	:07/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)MIYAZAKI KIICHI</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 vehicle has an engine room in which an engine operated by a gas fuel and a battery are arranged side by side in a width direction of a vehicle body, a gas container is disposed in the vehicle body so that the gas container and the engine are communicated with each other through a fuel piping, and a regulator is disposed at a portion on a way of the fuel piping to reduce pressure of gas fuel highly pressurized in the gas container. The vehicle also includes a fuel supply device for a vehicular engine, in which a space is defined by the battery and a side wall of the engine room arranged on an outside of the battery in the width direction of the vehicle body, and the regulator is placed in the space such that a front end portion of the battery projects ahead of the regulator in a longitudinal direction of the vehicle.

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2193/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DRIVE SYSTEM AND MOTOR VEHICLE HAVING SUCH A DRIVE SYSTEM

(51) International classification	:H02K
(31) Priority Document No	:10 2010 036884.9
(32) Priority Date	:06/08/2010
(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 :

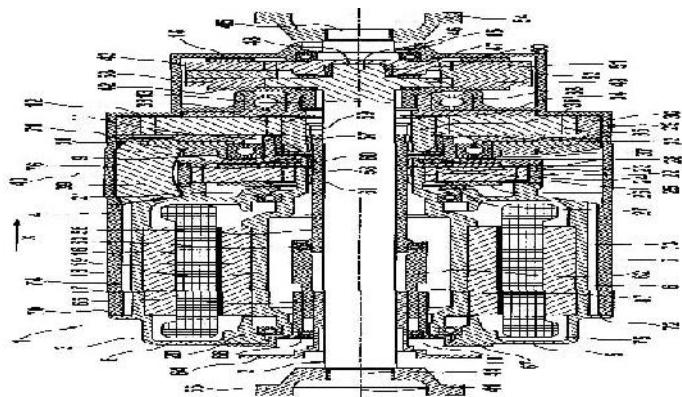
1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT  
Address of Applicant :PORSCHEPLATZ 1, 70435  
STUTTGART, GERMANY

(72)Name of Inventor :

1)MARTIN FUCHTNER  
2)SIMON SINGER

(57) Abstract :

The present invention relates to a drive system (1) for a drive axle (2) of a motor vehicle, having an electric machine (16) which at least partially encloses the drive axle (2) and has the purpose of driving the drive axle (2), wherein the electric machine (16) is coupled in a shiftable fashion to the drive axle (2) or is decoupled therefrom. The present invention also relates to a motor vehicle (79) having such a drive system (1).



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2194/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEBUG BARRIER TRANSACTIONS

(51) International classification	:H02K	(71) <b>Name of Applicant :</b> <b>1)ARM LIMITED</b> Address of Applicant :110 FULBOURN ROAD, CHERRY HINTON, CAMBRIDGE, CB1 9NJ, U.S.A.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SHESHADRI KALKUNTE</b> <b>2)MICHAEL JOHN WILLIAMS</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 integrated circuit 2 includes one or more transaction masters 8, 10, 12,4 for issuing data transactions via interconnect circuitry 20. Debug access port circuitry is configured to respond to debug commands received from a debug controller 6 to generate barrier transactions which are issued to the interconnect circuitry. The interconnect circuitry responds to the received barrier transactions by constraining a relative ordering of at least some of the data transactions as they pass through the interconnect circuitry.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.2391/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : LAMP

(51) International classification	:H01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:099143580	<b>1)Sunonwealth Electric Machine Industry Co. Ltd.</b>
(32) Priority Date	:13/12/2010	Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.
(33) Name of priority country	:Taiwan	Lingya Dist. Kaohsiung R.O.C. Taiwan
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Ming-Tsung LI</b>
(87) International Publication No	: NA	<b>2)I-Le FANG</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fan comprises a housing a fan a heat sink and a light emitting element. The housing has a compartment and forms an opening. The fan is mounted inside the compartment of the housing and has a frame and an impeller mounted inside the frame. A first air-guiding channel is formed between a peripheral surface of the frame and an inner peripheral surface of the housing.....

No. of Pages : 35 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.2392/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FAN

(51) International classification	:H01P	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:100123575	<b>1)Sunonwealth Electric Machine Industry Co. Ltd.</b>
(32) Priority Date	:04/07/2011	Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.
(33) Name of priority country	:Taiwan	Lingya Dist. Kaohsiung R.O.C. Taiwan
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Alex HORNG</b>
(87) International Publication No	: NA	<b>2)Ko-Chien WANG</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fan includes a housing and a motor. The housing has a compartment at least one lateral air inlet and at least one lateral air outlet. The lateral air inlet and lateral air outlet communicate with the compartment. The motor has a stator and an impeller. The impeller is coupled with the stator and includes a hub and a plurality of blades coupled with a top face of the hub. Each blade has first and second ends.....

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/12/2010

(21) Application No.3092/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYMETRIC DUAL-STRUCTURED WIND POWER GENERATION SYSTEM

---

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0134226	<b>1)CHOI HAE-YONG</b> Address of Applicant :MOOKDONG I PARK APARTMENT #108-301, 385 MOOK-DONG, JUNGRYANG-GU, SEOUL-CITY 131-768 REPUBLIC OF KOREA.
(32) Priority Date	:30/12/2009	
(33) Name of priority country	:Republic of Korea	<b>2)CHOI JIN-HYUN</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)CHOI HAE-YONG</b>
(87) International Publication No	:NA	<b>2)CHOI JIN-HYUN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

A wind power generation system is disclosed, comprising a main body of Bernoulli tube form, a wind entry and exit on the left end and right ends of the main body, a wind passing tube having smaller diameter than those of the wind entry and exit and arranged therebetween, support rods on middle parts of the wind entry and exit, left and right power generation motors arranged on the middle parts of the support rods wherein the left and right power generation motors are rotated simultaneously on one rotation axis, and plural wind blades are provided left-right symmetrically on the rotation axis wherein the rotation axes are provided on the lower and upper part of the wind passing tube, increasing power generation efficiency double, comparing to the prior art.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/12/2010

(21) Application No.3095/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SPEAKER AND ELECTRONIC DEVICE

(51) International classification	:H04R
(31) Priority Document No	:99125947
(32) Priority Date	:04/08/2010
(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)COTRON CORPORATION**

Address of Applicant :12FL., NO. 150, SEC. 4, CHENG-DE RD., SHIHLIN DISTRICT, TAIPEI CITY, TAIWAN 111, R.O.C.

(72)Name of Inventor :

**1)BILL YANG**

(57) Abstract :

An electronic device and a speaker are provided. The speaker includes a housing, a magnet, a vibrating element, a circuit board and a electromagnetic inductor. The magnet is disposed in the housing. The vibrating element is disposed in the housing to vibrate relatively to the magnet for sounding. The electromagnetic inductor is disposed on the vibrating element for inducing a magnetic field of the magnet to generate electricity. The circuit board is disposed at the housing and has two audio input terminals, two audio output terminals, two power input terminals and two power output terminals. The audio input terminals are electrically connected to the audio output terminals, respectively. The power input terminals are electrically connected to the power output terminals, respectively. The vibrating element is electrically connected to the audio output terminals. The electromagnetic inductor is electrically connected to the power input terminals.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.2167/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IRRADIATION DEVICE WITH ERGONOMIC ADAPTATION OPTIONS

(51) International classification	:H02J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2010 047 494.0	<b>1)HERBERT WALDMANN GMBH &amp; CO. KG</b> Address of Applicant :PETER-HENLEIN-STRASSE 5, D-78056 VILLINGEN-SCHWENNINGEN, GERMANY
(32) Priority Date	:06/10/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Germany	<b>1)MARCUS HEINZLER</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 irradiation device for irradiating of body parts of a patient is provided, with a carrier system (30), which provides a basic framework of the irradiation device (1), with at least one light head (11, 12, 13, 14) with a light source for the irradiation, and a control element (50) for operating the irradiation device (1). The irradiation device (1) moreover includes a separate control module (20) that is connected with the carrier system (30) with at least one control for controlling the at least one light head (11, 12, 13, 14,).

No. of Pages : 38 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.2226/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PIMARANE DITERPENES FROM ANISOCHILUS VERTICILLATUS

(51) International classification

:C12N

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

: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)SWATI PRAMOD JOSHI  
2)ROSHAN RAJAN KULKARNI**

(57) Abstract :

This invention discloses diterpenes class of compounds from a novel source. Paricularly the invention discloses pimarane diterpenes from Anisochillus (Lamiaceae)

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.2721/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A BIO-COMPATIBLE SELF DIGESTIVE FOLDABLE AND ANTIMYCOTIC INTRA OCULAR NATAMATRIX•

(51) International classification	:A01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ALL INDIA INSTITUTE OF MEDICAL SCIENCES</b>
(32) Priority Date	:NA	Address of Applicant :Dr. Rajendra Prasad Centre for
(33) Name of priority country	:NA	Ophthalmic Sciences (R.P.C) Ansari Nagar New Delhi-110029
(86) International Application No	:NA	India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)THIRUMURTHY VELPANDIAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)JAYABALAN NIRMAL</b>
Filing Date	:NA	<b>3)ALOK KUMAR RAVI</b>
(62) Divisional to Application Number	:NA	<b>4)JEEWAN SINGH TITIYAL</b>
Filing Date	:NA	<b>5)SUPRIYO GHOSE</b>

(57) Abstract :

The present invention relates to intrastromal drug delivery system as an ophthalmic patch for treatment of ophthalmic disorders in particular a Natamatrix composition as an implantable Natamatrix drug delivery system for treatment of ocular infections. An advantage of the composition is that the composition does not cause any irritation to the eye and is well adopted and tolerated by the eye. Further the time of onset of action of the composition is far superior as compared to that of conventional compositions. It has been found that the composition of the invention delivers the active ingredient into the eye i.e. on site where it is needed.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.2868/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTILAYERED TABLET CONTAINING THREE ANTIDIABETIC DRUGS WITH DIFFERENT MECHANISMS OF ACTION FOR SEVERLY DIABETICS.

(51) International classification	:A61K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)RADHIKA BHASKAR</b>
(32) Priority Date	:NA	Address of Applicant :I/17, KESHAV NAGAR, NUMAISH CAMP, SAHARANPUR-247001, Uttar Pradesh India
(33) Name of priority country	:NA	<b>2)RAHUL BHASKAR</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RADHIKA BASKAR</b>
(87) International Publication No	:NA	<b>2)RAHUL BHASKAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Diabetes is one such disorder for which no permanent cure is discovered so far. Severely diabetic patient has to depend upon more than one oral hypoglycemics or insulin per se. Present invention deals with a combination therapy based on beneficial utilization of gliclazide, metformin hydrochloride and pioglitazone hydrochloride. The release profiles designed are, on one hand, under complete influence of the elimination half life as well as pH dependent solubilities of the drugs and, on the other hand, to ensure that all the three drugs attain their Tmax at different time intervals to rule out the problem of hypoglycemia. Such designed formulation ensures that modified release metformin attains its Tmax in 4hrs and extended release gliclazide in 8hrs whereas pioglitazone hydrochloride designed as immediate release layer, releases its NLT 85% label claimed in 45 min. Hence formulation ensures that at one particular point of time patient is under influence of only two oral hypoglycemic agents whereas the third one is either partially effective or not effective at all.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.3114/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HEMOSTATIC DEVICE WITH MARKER

(51) International classification	:A61B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-148483	<b>1)TERUMO KABUSHIKI KAISHA</b> Address of Applicant :44-1, HATAGAYA 2-CHOME, SHIBUYA-KU, TOKYO 151-0072 Japan
(32) Priority Date	:30/06/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)WADA, SATOSHI</b> <b>2)NUMATA, SHIGEKI</b> <b>3)YAGI, HIROSHI</b> <b>4)OKAMURA, RYO</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 hemostatic device 1 includes: a band 2 adapted to be wrapped around a limb of a patient at a site where bleeding is to be stopped; a surface fastener 3 (securing means) for securing the band in a wrapped state to the limb; a balloon 5, which is connected to the band 2, and which inflates when a fluid is introduced therein; and a marker 7 including a void portion for positioning the balloon at the site where bleeding is to be stopped.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2372/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM OF MANAGING EMAILS ROUTED THROUGH AN SPECIFIC EMAIL ACCOUNT USING A WEBMAIL INTERFACE

(51) International classification

:G12B

(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)AJAY DATA**

Address of Applicant :D-47 HANUMAN NAGAR  
LAXMAN MARG NEAR BSNL TELEPHONE EXCHANGE  
VAISHALI NAGAR JAIPUR 302021 India

(72)Name of Inventor :

**1)AJAY DATA**

(57) Abstract :

The present invention relates to a method and system of managing emails routed through an specific email account over a webmail interface. The present invention provides a method to create a group ID and distribute the emails routing through that particular group email ID. The present invention further enables users of the group ID to manage the assignments routed through the group ID and take the necessary action on the same. Furthermore the present invention allows the admin of the group ID to view the history associated with the group ID and create and generate reports for the particular group ID.

No. of Pages : 39 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2373/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM OF MANAGING GROUP/BULK E-MAILS THROUGH A WEBMAIL INTERFACE

(51) International classification

:H03J

(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)AJAY DATA**

Address of Applicant :D-47 HANUMAN NAGAR  
LAXMAN MARG NEAR BSNL TELEPHONE EXCHANGE  
VAISHALI NAGAR JAIPUR 302021 India

(72)Name of Inventor :

**1)AJAY DATA**

(57) Abstract :

The present invention relates to a method and system of managing bulk emails through a webmail interface. The present invention provides a method for creating and sending bulk emails through a webmail interface and also provides a method to track and manage the bulk emails sent through the webmail interface. Desired statistics and report can be generated in order to manage the bulk emailing over the webmail interface.

No. of Pages : 39 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.2812/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SUTURE ANCHOR WITH SUTURE MANAGEMENT

(51) International classification	:B64D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/388,028	<b>1)DEPUY MITEK, INC.</b>
(32) Priority Date	:30/09/2010	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767, 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)KRISTIAN DIMATTEO</b>
Filing Date	:NA	<b>2)GREGORY R. WHITTAKER</b>
(87) International Publication No	:NA	<b>3)NATHAN CAULDWELL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A suture anchor comprises an anchor body comprising a longitudinal axis and bone engaging external threads oriented for rotation about the longitudinal axis; and a suture attachment on the anchor body rotational with respect to the body about the longitudinal axis whereby to help reduce twisting of one or more sutures which may be attached to the suture attachment as the anchor body is threaded into a bone.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3131/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HEMOSTATIC DEVICE

(51) International classification	:A61D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-177260	<b>1)TERUMO KABUSHIKI KAISHA</b> Address of Applicant :44-1, HATAGAYA 2-CHOME, SHIBUYA-KU, TOKYO 151-0072 (JP) Japan
(32) Priority Date	:06/08/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)WADA, SATOSHI</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 hemostatic device 1 includes: a band 2 adapted to be wrapped around a limb of a patient at a site on the limb where bleeding is to be stopped; a curved plate 4 made of harder material than the band a surface fastener 3 (securing means) for securing the band in a wrapped state to the limb; a balloon 5, which is connected to the band, and which inflates when a fluid is introduced therein; and a round bar 10 (a space maintaining member) detachably provided to the hemostatic device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3132/DEL/2010 A

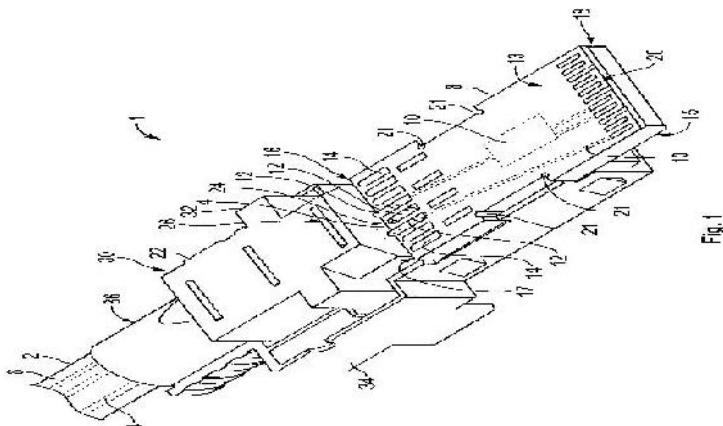
(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRICAL COMPONENT COMPRISING A HOTMELT ELEMENT

(51) International classification	:H01R
(31) Priority Document No	:EP 10075005.8
(32) Priority Date	:04/01/2010
(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

(57) Abstract :

The invention relates to an electrical component (1) comprising at least one cable element (2), at least one solder joint (12), at least one hotmelt element (22) and at least one substrate element (8). The cable element (2) is connected with the substrate element (8) by the solder joint (12). To improve the data transmission rate, the at least one solder joint (12) is not embedded in the hotmelt element (22). Preferably, the solder joint (12) is not covered the hotmelt material of the hotmelt element (22).



No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3133/DEL/2010 A

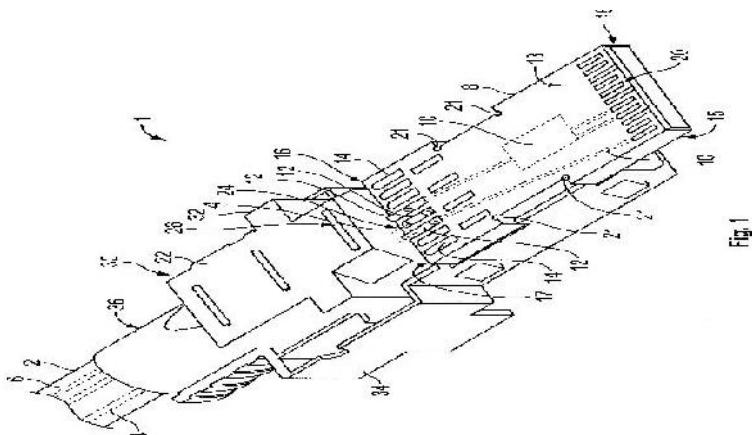
(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRICAL COMPONENT COMPRISING A HOTMELT ELEMENT, METHOD AND TOOL FOR MANUFACTURING SUCH AN ELECTRICAL COMPONENT

(51) International classification	:H02G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:EP 10075004.1	1)TYCO ELECTRONICS NEDERLAND BV Address of Applicant :RIETVELDENWEG 32, NL - 5222 AR, S-HERTOGENBOSCH, THE NETHERLANDS
(32) Priority Date	:04/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EUROPEAN UNION	1)VAN TIEL, GERT 2)VAN TILBURG, JAN
(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 an electrical component (1) comprising at least one cable element (2), at least one solder joint (12), at least one hotmelt element (22) and at least one substrate element (8). The cable element (2) is connected with the substrate element (8) by the solder joint (12). To improve the data transmission rate, the at least one solder joint (12) is not embedded in the hotmelt element (22). Preferably, the solder joint (12) is free from the hotmelt material of the hotmelt element (22). The invention is also concerned with a method of manufacturing such an electrical component (1). According to the inventive method, a flow of hotmelt material (22) is stopped before it reaches the solder joint (12). Finally, the invention is concerned with providing a tool (50) for manufacturing the electrical component (1). Here, a hotmelt cavity (70) for forming the hotmelt element (22) from hotmelt material is separated from a substrate cavity (64) adapted to receive the substrate element (8) by a compressible solder sealing (84).



No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2278/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : WIND TURBINE COMPONENT HANDLING APPARATUS

(51) International classification

:B61C

(31) Priority Document No

:EP10179277

(32) Priority Date

:24/09/2010

(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

(57) Abstract :

Wind Turbine Component Handling Apparatus The proposed wind turbine component handling apparatus (1) is realized to rotate a wind turbine component and comprises: a docking device (2) realized to be horizontally movable relative to the wind turbine component (10) and to grip the wind turbine component (10); a lifting device (14) realized to vertically lift the wind turbine component (10) in the upward direction; and a turning device (4) adapted to rotate the wind turbine component (10) about a horizontal axis (20). A method for turning a wind turbine component (10) comprises the following steps: mounting a plurality of pins (16) to the wind turbine component (10); positioning the wind turbine component (10) on a support apparatus (12) such that each pin (16) rests in a cradle element (24) of the support apparatus (12); pushing a docking device (2) in the horizontal direction such that openings (18) in the docking device (2) engage the pins (16) mounted to the wind turbine component (10); lifting the docking device (2), wherein the wind turbine component (10) is lifted by the pins (16) mounted to the wind turbine component (10); rotating the docking device (2) about a horizontal axis, wherein the wind turbine component (10) is rotated about the horizontal axis by pins (16) mounted to the wind turbine component; and lowering the docking device (2), until the pins (16) mounted to the wind turbine component (10) rest in the respective one of the cradle elements (24) of the support apparatus (12) .

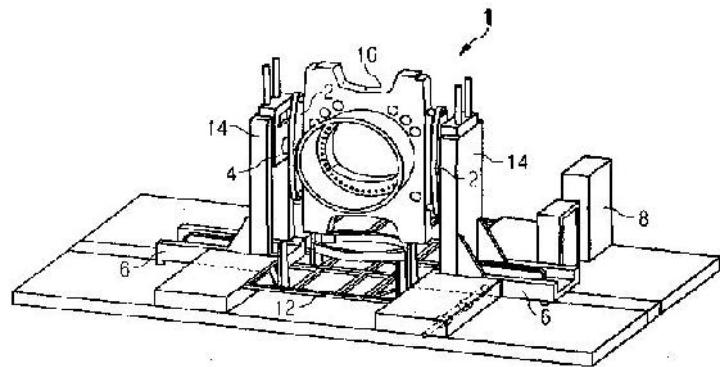


FIG: 5

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3079/DEL/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : OPTICAL READER, CONTROL METHOD OF OPTICAL READER, AND COMPUTER-READABLE RECORDING MEDIUM

(51) International classification	:H04N
(31) Priority Document No	:2010-004902
(32) Priority Date	:13/01/2010
(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)SEIKO EPSON CORPORATION

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

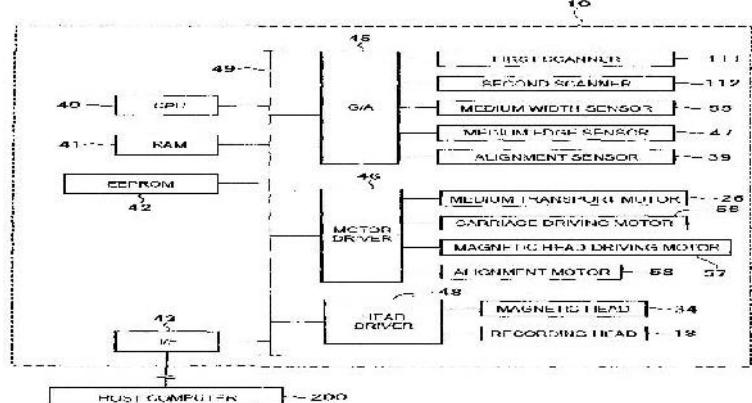
(72)Name of Inventor :

1)MOTOYAMA, HIROYUKI

(57) Abstract :

An optical reader is provided. A transport section is capable of transporting a medium which is a reading target in forward and backward directions along a transport path. An optical reading section is installed in the transporting path. The optical reading section optically reads the medium which is transported by the transport section. A control section sets a transport direction of the medium at the time of reading of the medium on the basis of a position of the medium before or when the reading of the medium is started and a reading position of the optical reading section such that a transport distance of the medium until the reading of the medium is completed is shortened, and controls the transport section and the optical reading section. Representative Drawing: Fig. 4

FIG. 4



No. of Pages : 52 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.410/DEL/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A BIODEGRADABLE AND ECO-FRIENDLY DUST SUPPRESSANT CHEMICAL FOR UNPAVED HAUL ROADS AND STOCK PILE, BLASTED MATERIAL HANDLING IN MINES AND OTHER DUST PRONE AREAS

(51) International classification	:C07C
(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI- 110 001, INDIA.

**(72)Name of Inventor :**

**1)PANDEY JAI KRISHNA  
2)TRIVEDI SHRENICK MADHUSUDAN  
3)TRIVEDI RUSHAY SHRENICK  
4)JANI URJA FALGUN  
5)VYAS BHAVTOSH RAJNICKANT  
6)KUMAR AJAY**

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**(57) Abstract :**

In the mines haulages roads major problems of dust is solved with various type of application applying with various methods of various product range if polymer base, chloride based, oil base, surfactant base wetting agent as self or blend which has various problems of surface applicable which give film or coating which is disturbed by heavy vehicle movement or dozer or grader. The cationic base products are better perform in slightly acidic pH, which is not visible. This all products do not penetrate on the surface deeper to coagulate to form hard even surface. The products should hold water for longer period without forming mud and on the second spray of water should rewet the surface which shows dust suppression after heavy traffic of HEMM

No. of Pages : 26 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.1536/DELNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROSTHETIC LIGAMENT FOR TRANSVERSE FIXATION, AND PRODUCTION METHOD

(51) International classification	:A61F 2/08
(31) Priority Document No	:09/03790
(32) Priority Date	:31/07/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000557
Filing Date	:30/07/2010
(87) International Publication No	:WO 2011/012783
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1) LABORATOIRE D'APPLICATION ET DE RECHERCHE SCIENTIFIQUE-LARS**

Address of Applicant :5, RUE DE LA FONTAINE, F-21560  
ARC SUR TILLE, FRANCE

(72)Name of Inventor :

**1)BERNARD BRULEZ**

**2)JACQUES-PHILLIPPE LABOUREAU**

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(57) Abstract :

Prosthetic ligament (11) for replacing a natural articular ligament, comprising a first intraosseous end part (12), called the tibial end part, and a second intraosseous end part (12'), called the femoral end part, the two intraosseous end parts (12, 12') surrounding an intraarticular central part (13), characterized in that the first intraosseous end pan (12) is in the form of two cylindrical strands (12a, 12b), and in that the second intraosseous end part (12') forms a loop connected to the first intraosseous end pan (12) via the intraarticular central part (13), which is composed of at least two bundles (.13a, 13b) of technical filaments, each of the bundles (13a, 13b) being connected to the first intraosseous end part (12) at one of its ends and to the second intraosseous end part (12') at the other of its ends.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2289/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF SAMARIUM OXIDE (SAMARIA) NANOFIBERS

(51) International classification

:C07D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110001, INDIA

(72)Name of Inventor :

**1)PRASANTA KUMAR PANDA**

(57) Abstract :

The invention discloses a process for the preparation of nano sized to sub micron sized samarium oxide (Samaria) fibers / nanofibers. The invention consists of preparation of a homogeneous citrate or acetate salt solution of samarium in poly vinyl alcohol and distilled water. The homogeneous solution was electrospun to generate composite fibers/nanofibers of PVA + samarium citrate or samarium acetate. The composite fibers were heat treated at to expel the organic phase leaving pure Samaria fibers / nanofibers.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.3109/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SUPPORT SYSTEM FOR POWER TRAIN OF VEHICLE

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(51) International classification	:B60K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-002086	<b>1)SUZUKI MOTOR CORPORATION</b> Address of Applicant :300, TAKATSUKA-CHO MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 4328611 JAPAN.
(32) Priority Date	:07/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)IKEDA TETSUYA</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 :

A support system for a power train of a vehicle includes a mount insulator mounted to a vehicle body and provided with a coupling member, a mount bracket coupled with the coupling member. The mount bracket includes a first mount bracket portion extending upward from an upper portion of the power train and a second mount bracket portion extending horizontally from an upper end of the first mount bracket portion. The first mount bracket portion includes a first vertical wall portion extending in a longitudinal direction of the vehicle body and a second vertical wall portion intersects the first vertical wall portion and extends in the longitudinal direction of the vehicle body. First to fourth fastening members are formed to lower or upper end portions of the first and second vertical wall portions, respectively. A reinforcing member is formed integrally with the second mount bracket portion in a manner of connecting the third and fourth fastening members.

No. of Pages : 31 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5884/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SURGICAL DEVICE FOR THE TEMPORARY PROTECTION OF ANASTOMOSIS

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(51) International classification	:A61F 2/90
(31) Priority Document No	:0950819
(32) Priority Date	:10/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050210
Filing Date	:09/02/2010
(87) International Publication No	:WO 2007/092291
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)CHARAM KHOSROVANINEJAD

Address of Applicant :LA MAISON K-483, CHEMIN DES PETITES VALETTES, 84210 PERNES LES FONTAINES, FRANCE

(72)Name of Inventor :

1)CHARAM KHOSROVANINEJAD

(57) Abstract :

A surgical device (1) for temporary protection of an anastomosis (5) in the colon (12, 13, 14), the rectum (11), or the anal passage (10), including: a) a semirigid hollow longitudinal temporary anchor element (2), a first wall of which includes a substantially cylindrical main portion (2a) with a substantially circular section having a length (L1) of at least 50 mm, preferably in the range 70 mm to 150 mm, said first wall having an outside diameter that may be varied in a controlled manner; and b) a flexible sheath (3) fixed to said anchor element (2) against, preferably around, said first wall and having a length (L3) downstream of said anchor element (2) of at least 50 cm, preferably at least 1 m, and an outside diameter when at rest in the range 20 mm to 40 mm, preferably in the range 25 mm to 33 mm, and said sheath is made from a biocompatible elastomer material having a wall thickness in the range 0.05 mm to 1 mm.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2281/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MIXER NOZZLE ASSEMBLY

(51) International classification	:B64D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/373,469	<b>1)MIXER TECHNOLOGIES INC.</b>
(32) Priority Date	:13/08/2010	Address of Applicant :806 GORDON STREET, SUITE 103, GUELPH, ONTARIO, N1G 1Y7, CANADA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SHAWN P. STEFFLER</b>
Filing Date	:NA	<b>2)DONALD D. SAVARD (DECEASED) LEGAL REPRESENTATIVE (EXECUTRIX) DONNA SAVARD</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 mixer nozzle assembly for mixing fluid introduced into a tank having a tank volume therein. The mixer nozzle assembly includes a stationary body and a rotatable body mounted on the stationary body for rotation about an axis in a predetermined direction. The fluid flows through the stationary body to the rotatable body and exits into the tank volume via one or more outlet apertures for causing the rotatable body to rotate in the predetermined direction about the axis. The mixer nozzle assembly also includes a governor subassembly for controlling a speed of rotation of the rotatable body in the predetermined direction about the axis and a hydraulic circuit for governing a flow rate of hydraulic fluid directed to the governor subassembly, to adjust the flow rate of the hydraulic fluid for adjusting the speed of rotation of the rotatable body to the preselected speed.

No. of Pages : 51 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2477/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM FOR PRESSURIZING FEEDSTOCK FOR FIXED BED REACTOR

(51) International classification	:B27B
(31) Priority Document No	:12/883,161
(32) Priority Date	:15/09/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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

(72)Name of Inventor :

**1)DEPUY RICHARD ANTHONY**

**2)ALDRED DEREK LESLIE**

(57) Abstract :

In accordance with one embodiment, a system includes a posimetric pump configured to increase pressure of a feedstock to provide a pressurized feedstock. The system also includes a fixed bed gasifier configured to gasify the pressurized feedstock, wherein the fixed bed gasifier comprises an enclosure, a feedstock inlet configured to receive the pressurized feedstock, at least one agent inlet configured to receive at least one gasification agent, a syngas outlet configured to output a syngas, an ash outlet configured to output ash, and a fixed bed configured to support the pressurized feedstock while allowing flow of the at least one gasification agent through the pressurized feedstock.

No. of Pages : 33 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2479/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INTEGRATED COLD JUNCTION COMPENSATION CIRCUIT FOR THERMOCOUPLE CONNECTIONS

(51) International classification	:H01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/881,757	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:14/09/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)WHITELEY JOSEPH LEE</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 cold junction (108) compensation system for a thermocouple (100) connection is disclosed. The system includes a temperature sensor (136) integrated with a terminal (134) at which the thermocouple wires (102, 104) terminate. The temperature sensor (136) is integrated with the terminal (134) proximal to a cold junction (108) of a thermocouple (100), such that the temperature at the sensor (136) location is substantially equal to that at the cold junction (108). The temperature sensor (136) is further in electrical signal isolation from a circuit carrying voltage output by the thermocouple (100).

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5872/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : VITAMIN D3 AND ANALOGS THEREOF FOR ALLEVIATING SIDE EFFECTS ASSOCIATED WITH CHEMOTHERAPY

(51) International classification	:A61K 31/593	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/147,549	<b>1)BERG BIOSYSTEMS, LLC</b>
(32) Priority Date	:27/01/2009	Address of Applicant :1845 ELM HILL PIKE NASHVILLE, TN 37210, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/022284	<b>1)JIMENEZ JOAQUIN J.</b>
Filing Date	:27/01/2010	<b>2)MCCOOK JOHN PATRICK</b>
(87) International Publication No	:WO 2010/088304	<b>3)NARAIN NIVEN RAJIN</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 disclosure relates to the use of vitamin D compounds, such as vitamin D3, or analogs and/or metabolites thereof, to modulate bone marrow progenitors and stromal cells prior to the administration of antineoplastic agents. The methods of the present disclosure may ameliorate myelosuppression by increasing the availability of pluripotent stem cell progenitors, and can be used in combination with standard therapy (e.g. granulocyte stimulating factor) to increase proliferation of myeloid cells and/or improve their mobilization from the bone marrow, thereby diminishing the dose and administration of colony-stimulating factors (CSFs) as well as the recuperation time following chemotherapy.

No. of Pages : 65 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5877/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DISPENSER PACKAGE WITH PROTECTIVE COVERS

(51) International classification	:B65D 1/30
(31) Priority Document No	:61/149,127
(32) Priority Date	:02/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021937
Filing Date	:25/01/2010
(87) International Publication No	:WO 2010/088172
(61) 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 GILLETTE COMPANY

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ONE GILLETTE PARK, BOSTON, MASSACHUSETTS 02127,  
U.S.A

(72)Name of Inventor :

1)SONNENBERG, NEVILLE

(57) Abstract :

A novel razor cartridge package suitable for protectively storing a razor cartridge is disclosed. The package includes two or more connected containers (12a, b, c, d) with a cover for covering the top perimeter of each container. The cover may be plastic, flexible and adhesively sealed to the container such that a user can peel the sheet back to open and access an individual razor cartridge. It may also be resealable. The covers may have a cover sheet separability line (13a, b, c, d) (e.g., perforations) between them to allow for easy peeling. The connected containers may or may not be removable from one another and if removable, may be secured together via a container separability line, allowing a user to pull off one container, having one cartridge inside, from the package at a time. The container and cover sheet separability lines may be aligned and may or may not be formed at the same time.

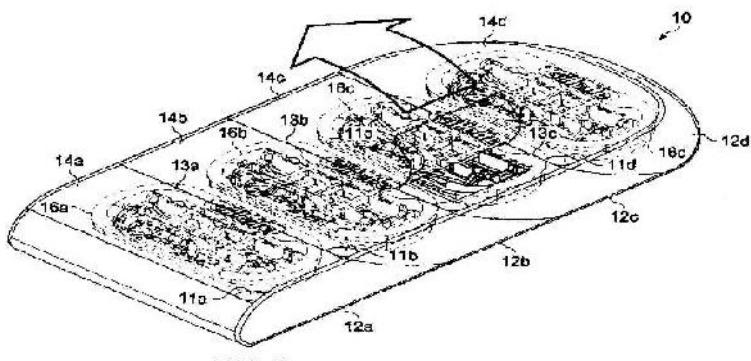


FIG. 1

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.3110/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR CONTROLLING THE MOVEMENT OF A COMPONENT THAT MOVES TOWARDS A POSITION DEFINED BY A LIMIT STOP IN AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:BO2009A 000831	<b>1)MAGNETI MARELLI S.P.A</b> Address of Applicant :61/63, VIALE ALDO BORLETTI, CORBETTA Italy.
(32) Priority Date	:28/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Italy	<b>1)PANCIROLI MARCO</b> <b>2)SGATTI STEFANO</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for controlling the movement of a component that moves towards a position defined by a limit stop in an internal combustion engine ( 1 ) ; the control method comprises the steps of detecting, by means of at least one acoustic microphone (22), the intensity (S) of the microphonic signal generated by the impact of the component against the limit stop; and determining the impact instant and/or the impact speed of the component against the limit stop by analyzing the intensity (S) of the microphonic signal generated by the impact.

No. of Pages : 41 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5880/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : GENERATOR WITH IMPROVED GENERATION EFFICIENCY AND ROTATIONAL FORCE

(51) International classification	:H02K 57/00
(31) Priority Document No	:10-2009-0005867
(32) Priority Date	:23/01/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2009/007563
Filing Date	:17/12/2009
(87) International Publication No	:WO 2010/085044
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)JANG, SUK HO**

Address of Applicant :656-1225, SEONGSU1GA-2DONG,  
SEONGDONG-GU SEOUL 133-823, REPUBLIC OF KOREA.

(72)Name of Inventor :

**1)JANG, SUK HO**

(57) Abstract :

Disclosed is a generator that can produce electric power using water power, wave power or wind power. The generator characterized in that a plurality of magnet plates and separately-arranged coil plates are constructed in such a way that they can rotate in mutually opposing directions, and these magnet plates and coil plates are continuously and sequentially arranged on a rotating shaft, and a plurality of induction coils and electromotive coils installed on inner and outer cylinders proximate to the opposed ends of magnets arranged on the magnet plates are separately arranged on the coil plates. According to the generator, it is possible to obtain a further increased quantity of generation by means of the magnet plates and coil plates that rotate in mutually opposing directions even in the case that water power or wind power used in generation is weak. In addition, even if the energy supply source such as wind power, wave power or water power acts continuously or intermittently, the rotational force between the magnet plates and coil plates is increased greatly by the electromotive coils that confer repulsive force on the magnets to make it possible to produce much higher generation energy, so it is very economical.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5881/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A PACKAGING ASSEMBLY

(51) International classification	:B65D 73/00
(31) Priority Document No	:0950961
(32) Priority Date	:16/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050231
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/092305
(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 :B.P.G LE PRIERE, F-27110 LE NEUBOURG, FRANCE

(72)Name of Inventor :

1)LECOUTRE, JEAN-PAUL

(57) Abstract :

A packaging assembly comprising: a card (1) comprising at least one panel (11, 12, 13); a fluid dispenser (2) comprising a fluid reservoir (21) and a fluid dispenser member (22) that is mounted on the reservoir; and a connection element (3) fitted on the panel (11) and including fastener means (32), the dispenser (2) being engaged in the fastener means (32) for being held in removable manner on the card (1); wherein the panel (11) includes a window (113), the connection element (3) being fitted in the window (113), the connection element (3) includes a base (31), advantageously a flat base, of dimension that is greater than the dimension of the window (113), the fastener means (32) projecting from the base (31), the base being disposed on one side (111) of the panel (11) with the fastener means (32) passing through the window (113) in such a manner as to project from the other side (112) of the panel (11), the fastener means (32) being inserted through the window (113) and presenting a dimension that is greater than the dimension of the window (113), thereby holding the connection element (3) in the window (113) .

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5883/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR MONITORING THE STATE OF A FOUNDATION EMBEDDED IN THE GROUND

(51) International classification	:B23B
(31) Priority Document No	:0950656
(32) Priority Date	:02/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050147
Filing Date	:29/01/2010
(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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**2)INSTITUT FRANCAIS DES SCIENCES ET TECHNOLOGIES DES TRANSPORTS DE L AMENAGEMENT ET DES RESEAUX**

(72)**Name of Inventor :**

**1)HOVHANESSION Gilles**

**2)BOURQUIN Frdric**

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(57) Abstract :

The invention relates to a method for monitoring the state of a foundation supporting a building (1) and embedded in the ground, consisting of: using a plurality of sensors (4, 5) arranged on the building to acquire a set of measurements (mi1,mi2) relating to the foundation and/or to the building according to a predetermined acquisition mode; calculating, from said set of measurements, a set of condition indicators (ij1, ij2) characteristic of an embedding rigidity of the foundation; and making a comparison between a set of values derived from the set of calculated condition indicators and a set of thresholds.

No. of Pages : 34 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5890/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A METHOD FOR PRODUCING METAL POWDERS

(51) International classification	:B22F 9/20
(31) Priority Document No	:0902486.0
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000266
Filing Date	:15/02/2010
(87) International Publication No	:WO 2010/092358
(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 :UNIT 2 FARFIELD, MANVERS WAY, WATH UPON DEARNE, ROTHERHAM S63 5DB, UNITED KINGDOM

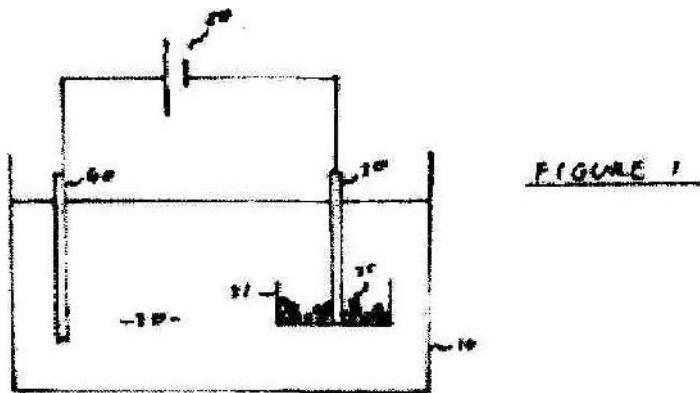
(72)Name of Inventor :

**1)RASHEED, RAYMOND, KEVIN**

**2)MARGERISON, IAN**

(57) Abstract :

A method of producing metallic powder for use in the manufacture of a capacitor comprises the step of reducing a non-metallic compound to metal in contact with a molten salt. The salt comprises, for at least a portion of the process, a dopant element that acts as a sinter retardant in the metal. In preferred examples, the metallic powder is Ta or Nb powder produced by the reduction of a Ta or Nb oxide and the dopant is boron, nitrogen or phosphorous.



No. of Pages : 19 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5892/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : Sterilization method

(51) International classification	:A01J
(31) Priority Document No	:61/206,596
(32) Priority Date	:02/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022718
Filing Date	:01/02/2010
(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)FMC Corporation**

Address of Applicant :1735 Market Street Philadelphia Pennsylvania 19103 U.S.A

(72)Name of Inventor :

**1)ROVISON JR. John M.**

**2)ABRAHAM Shibu**

**3)LYMBURNER Charles J.**

**4)DIGERONIMO Michael J.**

(57) Abstract :

A method of sterilizing a material, said method comprising the steps of: (a) introducing a solution comprising peroxyacetic acid into a hot gaseous stream to produce a peroxyacetic acid vapor; and (b) contacting such peroxyacetic acid vapor with the material to be sterilized.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5893/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CYCLOSPORINE DERIVATIVE FOR USE IN THE TREATMENT OF HCV AND HIV INFECTION

(51) International classification	:A01J
(31) Priority Document No	:61/143,062
(32) Priority Date	:07/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020316
Filing Date	:07/01/2010
(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 :**

**1)SCYNEXIS INC.**

Address of Applicant :Post Office Box 12878 Research Triangle Park NC 27709-2878 UNITED STATES OF AMERICA

**2)SCYNEXIS INC.**

(72)**Name of Inventor :**

**1)HOPKINS Samuel Earl**

**2)HOPKINS Samuel Earl**

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(57) Abstract :

Provided herein are specific doses of, and dosing regimens for, using SCY-635 in treating or preventing diseases, in particular hepatitis C virus (HCV) infection

No. of Pages : 37 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5894/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMBINATION OF A CYCLOSPORINE DERIVATIVE AND NUCLEOSIDES FOR TREATING HCV

(51) International classification	:A01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/143,062	<b>1)SCYNEXIS INC.</b>
(32) Priority Date	:07/01/2009	Address of Applicant :Post Office Box 12878 Research
(33) Name of priority country	:U.S.A.	Triangle Park NC 27709-2878 UNITED STATES OF
(86) International Application No	:PCT/US2010/020323	AMERICA
Filing Date	:07/01/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)HOPKINS Samuel Earl</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to combinations comprising 3-[(R)-2-(N,N-dimethylamino)ethylthio-Sar]- 4-(gammahydroxymethylleucine)cyclosporine, or a pharmaceutically acceptable salt, solvate or hydrate thereof; and certain nucleoside analogues, and their use in the treatment of hepatitis C virus

No. of Pages : 28 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5895/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NONINVASIVE MEASUREMENT OF FLAVONOID COMPOUNDS IN BIOLOGICAL TISSUE

(51) International classification	:A01J
(31) Priority Document No	:12/352,702
(32) Priority Date	:13/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020885
Filing Date	:13/01/2010
(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 :**

**1)SHARIFZADEH Mohsen**

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**2)ERMAKOV Igor V.**

**3)GELLERMAN Werner**

**(72)Name of Inventor :**

**1)SHARIFZADEH Mohsen**

**2)ERMAKOV Igor V.**

**3)GELLERMAN Werner**

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**(57) Abstract :**

Methods and apparatus are disclosed which facilitate the rapid, noninvasive and quantitative measurement of the concentration of flavonoid compounds, as well as their isomers and metabolites, in biological tissue such as human skin. Low-intensity, visible-light illumination of intact tissue provides for high spatial resolution, and allows for precise quantification of the flavonoid levels in the tissue. The preferred embodiments make use of a previously unknown, low-oscillator strength, optical absorption transition of flavonoids. This makes it possible to optically excite flavonoids in living human tissue outside the absorption range of other, potentially confounding skin chromophores.

No. of Pages : 69 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5896/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR DELIVERING DELIVERABLE MATERIALS

(51) International classification	:H01J
(31) Priority Document No	:A 54/2009
(32) Priority Date	:15/01/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/000175
Filing Date	:14/01/2010
(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 :

**1)Kurt HIMMELFREUNDPOINTNER**

Address of Applicant :Vitta 11 A-4612 Scharten Austria

(72)Name of Inventor :

**1)Kurt HIMMELFREUNDPOINTNER**

(57) Abstract :

The invention relates to a method and to a device for delivering deliverable materials through a hollow chamber that is closed off from the outside air in a pressure-tight manner and that is supplied with materials (1) via a storage container (2) serving as a lock and that ends in the furnace chamber via a connecting tube. The delivery of the materials within the hollow chamber closed off from the outside air in a pressure-tight manner is carried out by means of depressurized mechanical conveyors (3, 5)

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5897/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BATTERY MODULE AND BATTERY PACK USING THE SAME

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(51) International classification	:H01J
(31) Priority Document No	:2009-168516
(32) Priority Date	:17/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004485
Filing Date	:09/07/2010
(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)Panasonic Corporation**

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Osaka 571-8501 JAPAN

(72)**Name of Inventor :**

**1)Shunsuke YASUI**

**2)Hiroshi TAKASAKI**

**3)Toshiki ITOI**

**4)Shinya GESHI**

**5)Daisuke KISHII**

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(57) Abstract :

A battery module 100 includes a plurality of batteries aligned and accommodated in a housing 20, wherein each batteries has an opening portion 17 at an electrode portion 16 of the battery to release gas generated in the battery outside the battery, the housing 20 is partitioned by a circuit board 30 disposed in contact with battery cases 5 around the electrode portions 16 of the batteries into a storage portion 54 in which the batteries are stored, and an exhaust chamber 24 via which the gas released from the opening portion 17 of the electrode portion 16 is exhausted outside the housing 20, the electrode portions 16 of the batteries are connected to a connector 32 on the circuit board 30, and the opening portions 17 of the electrode portions 16 are in communication with the exhaust chamber 24 via through holes 36 in the circuit board 30.

No. of Pages : 51 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5901/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROTEIN BIOMARKERS FOR SOFT TISSUE DISEASE DIAGNOSIS AND AS THERAPEUTIC TARGETS FOR ORAL CARE INTERVENTION

(51) International classification	:G01N 33/50
(31) Priority Document No	:61/165,674
(32) Priority Date	:01/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029674
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/115034
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)COLGATE-PALMOLIVE COMPANY**

Address of Applicant :300 PARK AVENUE, NEW YORK,  
NY 10022 U.S.A

(72)**Name of Inventor :**

**1)TRIVEDI HARSH MAHENDRA**

**2)XU TAO**

**3)YANG YING**

---

(57) Abstract :

Methods for identifying compounds useful for treating diseases or conditions of the oral cavity are described herein.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5902/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR DIAGNOSING IMPENDING JOINT FAILURE

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(51) International classification	:G01N 33/53
(31) Priority Document No	:61/206,640
(32) Priority Date	:02/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000270
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/087991
(61) 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.**

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VEVEY, SWITZERLAND

**2)IMPERIAL INNOVATIONS LTD**

(72)Name of Inventor :

**1)LAWLER, DENNIS**

**2)RICHARDS, SELENA, E.**

**3)GUFFEY, WENDELL, RAY**

---

(57) Abstract :

The invention provides methods for diagnosing impending joint failure in an animal by measuring the concentration of phenylalanine in a body fluid; measuring the concentration of one or more of tyrosine, alanine, valine, and glutamine in the body fluid; determining the ratio of phenylalanine to one or more of tyrosine, alanine, valine, and glutamine; and diagnosing impending joint failure by comparing the ratio to ratios predicated of impending joint failure.

No. of Pages : 19 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5903/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SELF-CONTAINED, SYNCHRONIZED DATA COMMUNICATION SYSTEM NODES AS STAND-ALONE PODS OR EMBEDDED IN CONCRETE WALKWAYS AND IN WALLS AT PUBLIC VENUES INCLUDING SPORTS AND ENTERTAINMENT VENUES

(51) International classification	:H04W 88/18
(31) Priority Document No	:61/261,655
(32) Priority Date	:16/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/046753 :26/08/2010
(87) International Publication No	:WO 2011/059546
(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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ALBUQUERQUE, NM, 87106 (US) U.S.A.

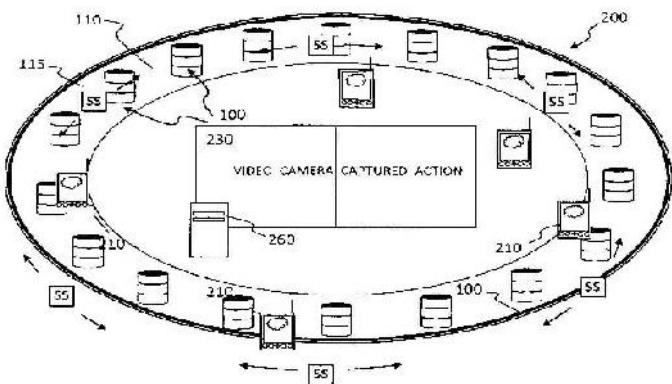
2)ORTIZ, LUIS, M.

(72)Name of Inventor :

1)ORTIZ, LUIS, M.

(57) Abstract :

A system supports communications of video and data to hand held devices located within a public venue (e.g., sports stadium). A pod includes at least one of a synchronized server and wireless communications electronics. The pod includes an antennae integrated therein. The pod can be deployed as a communications node within the public venue and provides data including video through a data network from at least one server to hand held wireless devices located in the public venue. The pod can include a rechargeable power source sustaining self-contained operation of the wireless communication electronics. An optional solar cell can provide electrical power to charge the rechargeable power source. A pod can be embedded in the wall or floor surface of said public venue and can be provided in the form of a core hole plug.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5905/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A METHOD FOR MANUFACTURING A HOT ROLLED STEEL SHEET

(51) International classification	:B41D
(31) Priority Document No	:2003-314590
(32) Priority Date	:05/09/2003
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP04/013088
Filing Date	:02/09/2004
(87) International Publication No	:WO 2005/024082
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1090/DELNP/2006
Filed on	:01/03/2006

(71)Name of Applicant :

**1)NIPPON STEEL & SUMITOMO METAL CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN

(72)Name of Inventor :

**1)TATSUO YOKOI**

**2)TETSUYA YAMADA**

**3)OSAMU KAWANO**

---

(57) Abstract :

A method for manufacturing a hot rolled steel sheet, the method comprising: a step of subjecting a slab to a rough rolling so as to obtain a rough rolled bar; a step of subjecting the rough rolled bar to a finish rolling so as to obtain a rolled steel under conditions in which a finishing temperature is ( $Ar_3$  transformation point + 50°C) or more; and a step of starting cooling the rolled steel after a time period of 0.5 seconds or more to 5 seconds passes from the end of the finish rolling at a temperature of the  $Ar_3$  transformation point or more, cooling at least in the temperature range from the  $Ar_3$  transformation point to 500°C at a cooling rate of 80°C/sec or more, further cooling until the temperature is 500°C or less to obtain a hot rolled steel sheet and coiling the hot rolled steel sheet, wherein the rare earth metal is one or more selected from Sc, Y and lanthanides consisting of La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu.

No. of Pages : 36 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5907/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MICRO-RELIEF STRUCTURES

(51) International classification	:B32B 3/30
(31) Priority Document No	:0902000.9
(32) Priority Date	:09/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/051521
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/089399
(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)OPTAGLIO S.R.O.**

Address of Applicant :NA HLINKACH 199, 25068 REZ-HUSINEC, CZECH REPUBLIC

(72)Name of Inventor :

**1)JERMOLAJEV, IGOR**

**2)KOTACKA, LIBOR**

**3)TETHAL, TOMAS**

**4)DVORAK, ROBERT**

---

(57) Abstract :

The present invention provides a method of forming a relief pattern as part of a layered structure and comprising, forming a relief pattern on the surface of a layer of the said structure and subsequently forming a protective fixing layer on at least part of the said relief pattern and serving to protect the underlying relief pattern during any subsequent processing of the said structure, and thereby also provides for a layered structure, generally comprising a substrate having a relief pattern formed on a surface of the substrate and wherein at least a portion of the said relief has been provided with a protective fixing layer serving to retain the characteristics of the relief pattern during any subsequent processing of the structure such as, for example, when forming a laminate structure with the relief pattern provided therein.

No. of Pages : 26 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.1528/DELNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHOTORESENSITIZING COMPOSITIONS

(51) International classification	:A61K 41/00
(31) Priority Document No	:0914287.8
(32) Priority Date	:14/08/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/001547
Filing Date	:16/08/2010
(87) International Publication No	:WO 2011/018635
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PCI BIOTECH AS

Address of Applicant :STRANDVEIEN 55, N-1366  
LYSAKER, NORWAY

(72)Name of Inventor :

1)JO KLAIVENESS

2)ANDERS HOGSET

---

(57) Abstract :

The invention relates to pharmaceutically acceptable salts of amphiphilic photosensitizing agents which have a water solubility of at least 0.5 mg/ml and to their use in methods of photochemical internalization. Such salts may be formed from a pharmaceutically acceptable base, for example an organic amine such as an amino alcohol, or from a pharmaceutically acceptable acid, for example a sulphonic acid or a sulphonated acid derivative. Due to their increased water solubility, such salts are particularly suitable for use in the preparation of parenteral pharmaceutical preparations, e.g. for use as solutions for injection or infusion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2282/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : COOKING SYSTEM WITH ENERGY CONSERVATION AND RECOVERY

(51) International classification	:B64D	(71) <b>Name of Applicant :</b> <b>1)AGRAWAL Sanjay</b> Address of Applicant :143 Munirka Enclave New Delhi 110067 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)AGRAWAL Sanjay</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process and system for cooking a food material. The disclosed system and process includes confining the food material in an insulated chamber and providing a first amount of energy from an energy tank to the insulated chamber based on a set of parameters. The system and process further includes recovering a second amount of energy from the food material after the food attains a first energy state based on the set of parameters such that, the food material attains a second energy state after a second amount of energy is recovered from the food and returning the recovered energy to the energy tank.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2011

(21) Application No.2786/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : JAPANESE ENCEPHALITIS INHIBITOR

(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)INDIAN INSTITUTE OF TECHNOLOGY, DELHI**  
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**INDIA**

(72)Name of Inventor :

**1)HARIDAS, V.**  
**2)SADANANDAN, SANDHYA**

(57) Abstract :

Japanese encephalitis virus (JEV) is a mosquito-borne, neurotropic flavivirus from the family Flaviviridae. JEV genome is a single-stranded positive strand RNA which encodes for a single poly-protein that is cleaved by host and viral proteases into three structural (Capsid, precursor membrane and envelope) and seven non-structural proteins (NS1, 2A, 2B, 3, 4A, 4B and 5). Pigs and water birds have been proposed to be the natural hosts of JEV and Culex mosquitoes transmit the disease to humans who are dead-end hosts. Availability of WHO-approved JEV vaccine for pediatric use is limited and there are no clinically approved antivirals available for JEV infections. There is intense interest to develop synthetic compounds capable inhibiting the JEV.

No. of Pages : 26 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/03/2012

(21) Application No.465/DEL/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RECOMBINANT NITROGEN FIXING MICROORGANISM AND USES THEREOF

(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)DAS HIRENDRA KUMAR**

Address of Applicant :B-9/6324, VASANT KUNJ, NEW  
DELHI 110 070, INDIA

(72)Name of Inventor :

**1)DAS HIRENDRA KUMAR**

**2)SRIVASTAVA, MADHULIKA**

**3)BAGESHWAR, UMESH KUMAR**

(57) Abstract :

A recombinant microorganism is provided herein, in particular, a recombinant microorganism of the Azotobacteraceae family. The recombinant Azotobacter microorganism is capable of fixing atmospheric nitrogen continuously in the presence of oxygen and externally fixed nitrogen sources. The present invention further provides a process for production of the recombinant microorganism and a composition comprising the recombinant microorganism for use as biofertilizers and/or for use in the preparation of a fertilizer composition. The recombinant microorganism produced by this invention is an environmental friendly, highly beneficial microorganism.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5914/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RICE TRANSGENIC EVENT 17053 AND METHODS OF USE THEREOF

(51) International classification	:A01H 1/00
(31) Priority Document No	:61/164,899
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029096
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/117737
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MONSANTO TECHNOLOGY LLC**

Address of Applicant :800 N. LINBERGH BLVD., ST.  
LOUIS, MO 63167, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)CHEN, YUN-CHIA, SOPHIA**

**2)DUONG, CAN**

**3)HOI, SIO-WAI**

**4)HUBMEIER, CHRISTOPHER, S.**

**5)QI, YOULIN**

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(57) Abstract :

The present invention provides a transgenic rice event 17053 and plants, plant cells, seeds, plant parts, and commodity products derived from event 17053. The present invention also provides polynucleotides specific for event 17053 and plants, plant cells, seeds, plant parts, and commodity products comprising polynucleotides specific for event 17053. The invention also provides methods related to event 17053.

No. of Pages : 70 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2314/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : DELIVERING DATA FROM A RANGE OF INPUT DEVICES OVER A SECURE PATH TO TRUSTED SERVICES IN A SECURE ELEMENT

(51) International classification

:B64D

(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BLVD.  
M./S: RNB4-150, SANTA CLARA, CALIFORNIA 95052,

UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)AVANCHA, SASIKANTH**

**2)KOTHARI, NINAD**

**3)BANGINWAR, RAJESH**

**4)KGIL, TAEHO**

---

(57) Abstract :

Systems and methods of delivering data from a range of input devices may involve detecting an availability of data from an input device, wherein the input device is associated with a default input path of a mobile platform. An input device driver can be invoked in a security engine in response to the availability of the data if a hardware component in the default input path is in a secure input mode, wherein the security engine it associated with a secure input path of the mobile platform. Additionally, the input device driver may be used to retrieve the data from the input device into the security engine.

No. of Pages : 19 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/12/2010

(21) Application No.3081/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A TROCAR SLEEVE

(51) International classification	:A61B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009	<b>1)RICHARD WOLF GMBH</b>
	060377.8	Address of Applicant :PFORZHEIMER STRASSE 32, 75438
(32) Priority Date	:24/12/2009	KNITTLINGEN, GERMANY
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MANFRED BOEBEL</b>
Filing Date	:NA	<b>2)LUDWIG BONNET</b>
(87) International Publication No	:NA	<b>3)DIPL.-ING. EBERHARD KOMER</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ROLAND RAAKOW</b>
Filing Date	:NA	<b>5)GEORG LIESAUS</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The trocar sleeve comprises a distal tubular section and a section which connects thereto at the proximal side and which is widened proximally, and is provided with at least one spiral with a circular outer contour, arranged helically on the periphery of the distal tube section. The tube section itself comprises a rounded polygonal cross section, so that maximal degrees of freedom of the applied instruments result.

No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5920/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SEAL STRUCTURE•

(51) International classification	:G15M
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/051038
Filing Date	:23/01/2009
(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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1 Toyota-cho Toyota-shi Aichi 471-8571 JAPAN

(72)Name of Inventor :

1)YAMAZAKI Takahiro

2)OHMURA Seiji

(57) Abstract :

[Problem] In a seal structure in which a paste gasket 20 having a property of being adhered while being hardened in an elastic state after application is interposed between bonding surfaces of at least two members 2, 3, and 6 so as to implement a seal, the paste gasket 20 is firmly adhered to one member 6 that is made of a material to which the paste gasket 20 is difficult to adhere, so as to improve the sealability at the portions of bonding of the at least two members 2, 3, and 6. .....

No. of Pages : 23 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5921/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HEAT EXCHANGE PANEL

(51) International classification	:B23B
(31) Priority Document No	:61/144,256
(32) Priority Date	:13/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000068
Filing Date	:13/01/2010
(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 :

**1) LRM INDUSTRIES INTERNATIONAL INC.**

Address of Applicant :135 Gus Hipp Blvd Rockledge FL  
32955 U.S.A

(72)Name of Inventor :

**1) Dale E. POLK**

(57) Abstract :

A heat exchange panel (1) that includes a lower plate (11 ) and an upper plate (14) that together define a plurality of channels (51 ) there-between, which are in fluid communication with a plurality of upper plate extension passages (72), is described. The lower plate (11) includes a plurality of lower plate extensions (20) that extend upwardly from the interior surface (17) of the lower plate. Each channel (51) has at least one lower plate extension (20) extending upwardly therefrom. The upper plate (14) includes a plurality of upwardly extending hollow upper plate extensions (32). The aperture (42) and interior hollow space (48) of each upper plate extension (32) is aligned with and receives an upper portion (69) of a single lower plate extension (20) therein.

No. of Pages : 100 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5922/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GENETIC ANALYSIS OF CELLS

(51) International classification	:A01J
(31) Priority Document No	:61/143,745
(32) Priority Date	:09/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020562
Filing Date	:08/01/2010
(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 :**

**1)CYNTELLECT INC.**

Address of Applicant :6620 Mesa Ridge Road San Diego CA  
92121 U.S.A

(72)**Name of Inventor :**

**1)Fredrik KAMME**

**2)Gary BRIGHT**

**3)Gustaf ANGELBORG**

**4)James LINTON**

**5)Manfred KOLLER**

(57) Abstract :

Some aspects relate to methods for genetic analysis of selected cells from within a heterogeneous population of cells. The population of cells first can be partitioned. Selected cells are identified by imaging, and then specifically targeted and lysed by irradiation with an energy beam, resulting in specific release of their cellular contents into the culture medium. The culture medium then can be sampled and assayed for the desired nucleic acids.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5923/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHOTOVOLTAIC CELLS AND METHODS TO ENHANCE LIGHT TRAPPING IN SEMICONDUCTOR LAYER STACKS

(51) International classification	:G01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/176,072	<b>1)THINSILICON CORPORATION</b>
(32) Priority Date	:06/05/2009	Address of Applicant :1400 N. Shoreline Blvd. #B-3
(33) Name of priority country	:U.S.A.	Mountain View CA 94043 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/031610	(72) <b>Name of Inventor :</b>
Filing Date	:19/04/2010	<b>1)COAKLEY Kevin M.</b>
(87) International Publication No	: NA	<b>2)STIMSON Brad</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ROSENTHAL Sam</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A photovoltaic cell includes a substrate, a semiconductor layer stack, a reflective and conductive electrode layer, and a textured template layer. The semiconductor layer stack is disposed above the substrate. The electrode layer is located between the substrate and the semiconductor layer stack. The template layer is between the substrate and the electrode layer. The template layer includes an undulating upper surface that imparts a predetermined shape to the electrode layer. The electrode layer reflects light back into the semiconductor layer stack based on the predetermined shape of the electrode layer.

No. of Pages : 46 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.1556/DELNP/2012 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : FEEDING DEVICE FOR A REDUCING AGENT

(51) International classification	:F01N 13/16
(31) Priority Document No	:10 2009 041 179.8
(32) Priority Date	:11/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/062943
Filing Date	:03/09/2010
(87) International Publication No	:WO 2011/029780
(61) 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

Address of Applicant :HAUPTSTRASSE 128, 53797 LOHMAR (DE) Germany

(72)Name of Inventor :

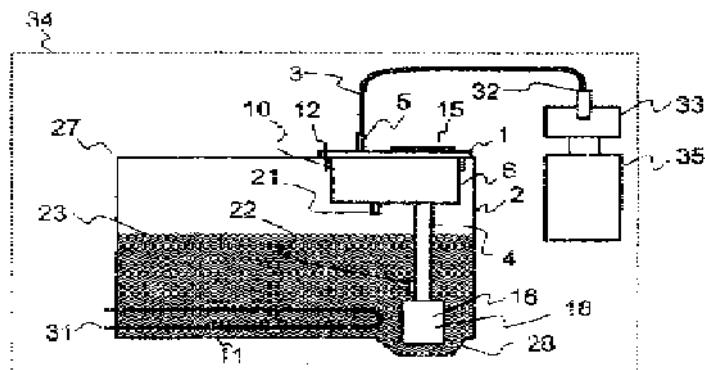
1)BRUCK, ROLF

2)HODGSON, JAN

3)SCHEPERS, SVEN

(57) Abstract :

The invention relates to a feeding device (1) for a reducing agent, comprising a metal housing (6), at least one externally mounted metal intake pipe (4), and an external pressure pipe connection (5). A metal base plate (7), on which at least one pump (8) and ducts (9) are provided, is arranged inside the housing (6). The intake pipe (4), the housing (6), the metal base plate (7), and the pump (8) are in heat-conducting contact with each other, and an elongate heating element (24) is arranged next to the intake pipe (4).



**FIG. 6**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.2190/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR OPTIMIZING OPTICAL FIBER NETWORK RESOURCES IN ANFTTX

(51) International classification	:B64D	(71) <b>Name of Applicant :</b> <b>1)HARI SHANKER SINGH</b> Address of Applicant :C-96, SECTOR-33, NOIDA, GAUTAM BUDH NAGAR, UTTAR 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> <b>1)HARI SHANKER SINGH</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 secure optical fiber network and a method of allowing multiple service providers to securely transmit service feeds in the secure optical fiber network are described. The secure optical fiber network includes a signal aggregator for aggregating multiple service feeds from multiple service providers to generate an aggregated feed. An optical termination unit receives the aggregated feed and generates a destination linked feed, which includes destination address for each of the service feeds. This destination linked feed is transmitted over a single strand optical fiber via a splitter to different customer premise equipments.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2818/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 11/10/2013

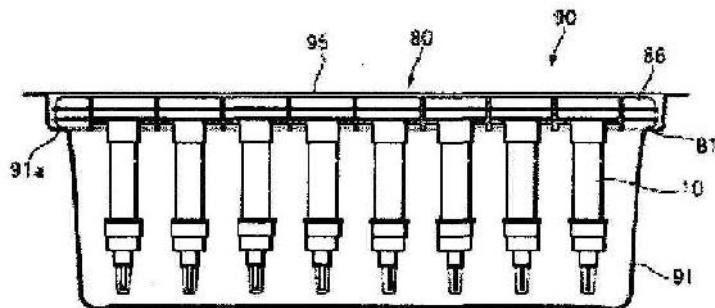
(54) Title of the invention : PACKAGING PLATE, SYRINGE-HOLDING CONTAINER, AND METHOD OF MANUFACTURING COMBINED CONTAINER-SYRINGE

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:2010-252922	1)ARTE CORPORATION Address of Applicant :2-8-12, IWAMOTO-CHO, CHIYODA-KU, TOKYO, JAPAN
(32) Priority Date	:11/11/2010	(72)Name of Inventor :
(33) Name of priority country	:Japan	1)KAKIUCHI, MAKOTO 2)SHIMAZAKI, SEIJI
(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 packaging plate that supports a plurality of syringe bodies in an arranged state, including a first plate in which a plurality of support hole portions into which the syringe bodies are respectively inserted and each having a rectangular shape in plan view are formed, and an extension portion on which a flange portion of the syringe body is mounted is formed in each of these support hole portions; and a second plate that is stacked on and fixed to the upper surface of the first plate and in which through-holes through which the flange portion cannot pass are formed at locations corresponding to the support hole portions.

FIG. 1



No. of Pages : 30 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3136/DEL/2010 A

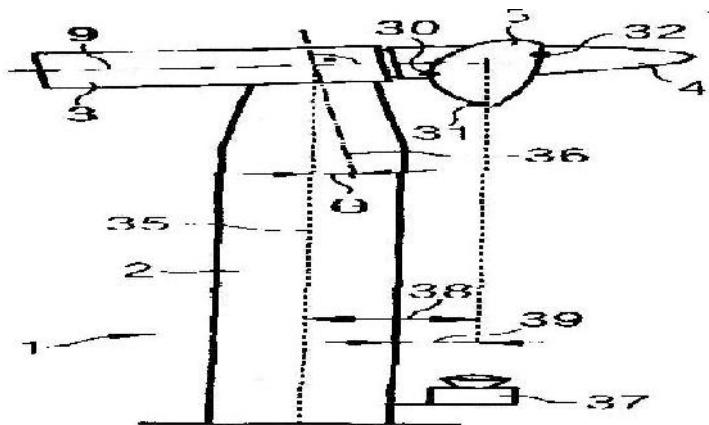
(43) Publication Date : 11/10/2013

(54) Title of the invention : WIND TURBINE AND METHOD FOR MEASURING THE PITCH ANGLE OF A WIND TURBINE ROTOR BLADE

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:EP10154470	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:24/02/2010	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)FRYDENDAL; IB</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 :

Wind turbine and method for measuring the pitch angle of a wind turbine rotor blade A method for measuring the pitch angle of a wind turbine rotor blade (5) is provided, wherein at least one image of at least part of the rotor blade (5) is acquired by a camera (37) from a defined position and the pitch angle is calculated by means of data from the at least one image.



No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5909/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESSES FOR MAKING POLY(TRIMETHYLENE ETHER) GLYCOL USING ORGANOPHOSPHOROUS COMPOUND

(51) International classification	:C08G 65/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/367,575	<b>1)E.I. DU PONT DE NEMOURS AND COMPANY</b>
(32) Priority Date	:09/02/2009	Address of Applicant :1007 MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/023148	<b>1)NIU, YANHUI</b> <b>2)YIN, ZUOHONG</b>
Filing Date	:04/02/2010	
(87) International Publication No	:WO 2010/091148	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Processes for preparing poly(trimethylene ether) glycol-based polymers using an organophosphorous compound are provided.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5910/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : PROCESS FOR PREPARING POLY(TRIMETHYLENE ETHER) GLYCOL AND COPOLYMERS THEREOF

(51) International classification	:C08G 65/10
(31) Priority Document No	:12/367,580
(32) Priority Date	:09/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023565
Filing Date	:09/02/2010
(87) International Publication No	:WO 2010/091387
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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

Address of Applicant :1007 MARKET STREET,  
WILMINGTON, DELAWARE 19898, U.S.A.

(72)Name of Inventor :

1)NIU, YANHUI

2)YIN, ZUOHONG

(57) Abstract :

Processes for preparing relatively high molecular weight poly(trimethylene ether) glycol employing a cocatalyst system are provided.

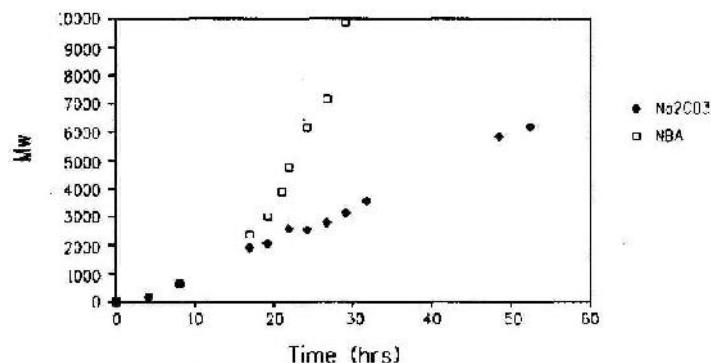


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5911/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : MEANS AND METHODS FOR MANUFACTURING HIGHLY PURE NEUROTOXIN

(51) International classification	:C07K 16/12
(31) Priority Document No	:09153226.7
(32) Priority Date	:19/02/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/000985
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/094463
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MERZ PHARMA GMBH & CO. KGAA

Address of Applicant :ECKENHEIMER LANDSTRASSE  
100, 60318 FRANKFURT AM MAIN (DE) Germany

(72)Name of Inventor :

1)PFEIL, MICHAEL

2)FRIEDRICH, JOSEF

3)TAYLOR, HAROLD V.

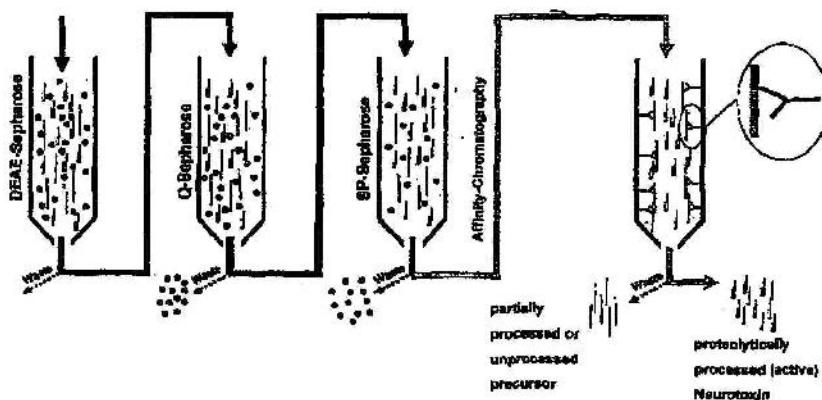
4)EISELE, KARL - HEINZ

5)BRUNN, CORNELIA

(57) Abstract :

The present invention relates to an antibody which specifically binds to unprocessed and/or partially processed neurotoxin polypeptide or an antibody which specifically binds an epitope consisting of a peptide having an amino acid sequence as shown in any one of SEQ ID NOS: 1 to 16 and to methods for the manufacture of such antibodies. Moreover, the present invention relates to a composition comprising processed neurotoxin polypeptide free of unprocessed or partially processed neurotoxin polypeptide and a method for manufacturing said neurotoxin polypeptide based on the antibodies of the invention. The present invention also relates to the use of the aforementioned antibody for separating processed neurotoxin polypeptides from unprocessed or partially processed neurotoxin polypeptides or for determining unprocessed or partially processed neurotoxin polypeptides. The present invention relates to a method for the manufacture of a medicament.

Fig. 2



No. of Pages : 84 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2265/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR MAKING A FIBROUS ARTICLE

		<b>(71)Name of Applicant :</b> <b>1)JOHNSON &amp; JOHNSON DOBRASIL INDUSTRIA ECOMERCIO DE PRODUCTOS PARA SAUDE LTDA.</b> Address of Applicant :RODOVIA PRESIDENTE DUTRA, KM-154, SAO JOSE DOS CAMPOS, SAO PAULO CEP 12237- 350, BRAZIL
(51) International classification	:B41D	
(31) Priority Document No	:12/855,175	
(32) Priority Date	:12/08/2010	
(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	

**(72)Name of Inventor :**  
**1)MARCO ANTONIO ALKMIN**  
**2)JOSE FRANCISCO CAU**  
**3)JOSE MANOEL SOARES COUTINHO**  
**4)IVAIR LUIZ DUARTE**  
**5)REINALDO LOURENCO FARIA**  
**6)FRANCISCO J. V. HERNANDEZ**  
**7)FRANCISCO ANTONIO RIMOLI**  
**8)FRANCISCO SAVASTANO NETO**  
**9)ALEXANDRE TEIXEIRA YAMASHITA**

(57) Abstract :

The present invention generally relates to a method and apparatus for a making a formed fibrous article and more specifically to method and apparatus for making a formed fibrous article useful as an absorbent core structure in a disposable sanitary article such as a sanitary napkin, panty liner, diaper or the like. The present invention also re-lates to a disposable sanitary article including a formed fibrous article according to the present invention as a core structure thereof.

No. of Pages : 55 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.2772/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR MANUFACTURING FILTERED LIQUIDS

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(51) International classification	:B23B :DE 10	(71) <b>Name of Applicant :</b> <b>1)KRONES AG</b> Address of Applicant :BOHMERWALDSTRASSE 5, 93073 NEUTRAUBLING, GERMANY
(31) Priority Document No	2010 041 826.9	(72) <b>Name of Inventor :</b> <b>1)SCHEU, DIRK</b> <b>2)LINK, ALBERT</b>
(32) Priority Date	:30/09/2010	
(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 :

In a method for producing filtered liquid, in particular sterile water, in a filtration device (V) with at least one membrane unit (4a-4f) during in each case a production cycle delimited by membrane backwash cycles of each membrane unit (4a-4f), in the production process at least one respective production liquid volume of a production cycle is temporarily stored before release for consumption until a verification of sterility has been obtained for the temporarily stored production liquid volume. In the device a membrane backwash system (18) and a sterile-air test device (16) are assigned to each membrane unit (4a-4f) and at least one temporary store (Z) having a capacity corresponding at least to the production liquid volume arising during the production cycle is connected downstream from it.

No. of Pages : 19 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/12/2010

(21) Application No.3089/DEL/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE FOR DETECTING PULSED SIGNALS WITH IMPROVED SENSITIVITY

(51) International classification	:G01S
(31) Priority Document No	:0906396
(32) Priority Date	:30/12/2009
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TALES

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

(72)Name of Inventor :

1)EMILIE BOULANGER

2)FRANKIE LETELLIER

(57) Abstract :

Device for detecting non-phase-modulated pulsed signals, comprising at least one amplifier (11) receiving a radiofrequency signal, and restoring at least one first signal (RSSI) representative of the envelope of the input signal, and a second normalized signal, characterized in that a module for estimating the stability of the phase (50) comprises means for estimating the phase of the radiofrequency signal, means for evaluating the temporal stability of the phase, the presence of a characteristic pulse being detected if the phase is stable according to determined criteria. Figure 5

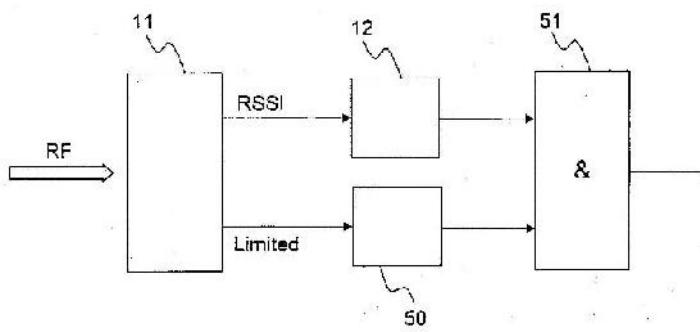


FIG.5

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/12/2010

(21) Application No.3090/DEL/2010 A

(43) Publication Date : 11/10/2013

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

(51) International classification	:B65H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-007453	<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	:15/01/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)NAKAGAWA TAKASHI</b>
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An automatic winder includes a bobbin supporting section 7, a lower yarn guiding pipe 25, a bobbin supplying device 60, a bobbin-supplying-device driving motor 41, a bobbin-supporting-section driving motor 43, a yarn end holding opening 66, a yarn handling lever 31, and a control section 6. The bobbin supporting section 7 supports a yarn supplying bobbin 21. The bobbin-supplying-device driving motor 41 drives the bobbin supplying device 60. The bobbin-supporting-section driving motor 43 drives the bobbin supporting section 7. The control section 6 controls driving of the yarn handling lever 31. The yarn handling lever 31 is driven by a yarn-handling-lever driving motor 42 which is a dedicated driving means provided separately from the bobbin-supplying-device driving motor 41 and the bobbin-supporting-section driving motor 43.

No. of Pages : 52 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5929/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SPILL-RESISTANT BATTERY COVER AND VENT COVER

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(51) International classification	:H01M 2/12
(31) Priority Document No	:61/144,277
(32) Priority Date	:13/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020951
Filing Date	:13/01/2010
(87) International Publication No	:WO 2010/083258
(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)JOHNSON CONTROLS TECHNOLOGY COMPANY**  
Address of Applicant :912 EAST 32ND STREET,  
HOLLAND, MI 49423, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GLENN W. ANDERSEN**

(57) Abstract :

A vented battery cover with a vent cover is disclosed. The vent cover may be capable of attachment to the battery at a first position and a second position using one or more first snap features and one or more second snap features. The vent cover may also provide a fluid path from a fill tube hole in the battery cover to a vent wherein the path is a labyrinth.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2202/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FOLIC ACID CONJUGATED POLYMERIC NANOPARTCLES FOR ORAL DELIVERY OF BIOACTIVE AGENTS•

(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)NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER)**

Address of Applicant :Sector-67 S.A.S Nagar Mohali Punjab-160062 India

(72)Name of Inventor :

**1)Sanyog Jain**

**2)Vishal Rathi**

**3)Manasmita Das**

**4)Amit Kumar Jain**

---

(57) Abstract :

The invention provides a pharmaceutical nanoformulation for oral delivery of bioactive agents comprising folic acid conjugated to biodegradable polymeric nanoparticles. The said nanoformulation improves bioavailability and enhances efficacy of orally delivered bioactive agents by enhancing intracellular uptake from the gastrointestinal tract (GIT). The invention also provides a process for preparing the folic acid conjugated polymeric nanoparticles.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.2203/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ROAD FINISHING MACHINE AND METHOD OF OPERATING A ROAD FINISHING MACHINE

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 008	<b>1)Joseph Vgele AG</b>
(32) Priority Date	249.4	Address of Applicant :Joseph - Vgele-Strae 1 67067 Ludwigshafen/Rhein Germany
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)Tobias NOLL</b>
Filing Date	:NA	<b>2)Ralf WEISER</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a road finishing machine (F) with a primary power plant (P) and a power transfer to a hydraulic pump and/or a generator for supplying power to hydraulically or electrically operated functional components, the power transfer comprises at least one clutch (K1, K2, K3) that can be optionally engaged and disengaged, and a clutch control device (S) is provided by means of which, depending on at least the operator guidance and/or a detected clutch loading situation, a disengagement delay ( $\hat{t}$ ) automatically overriding the operator guidance can be set, and/or a clutch shifting number restriction can be set by means of a detection interval (dt) moving along in time.....

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2266/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : IMPROVED BONE COMPRESSION PLATE AND ITS METHOD OF USE THEREOF

(51) International classification	:B41D
(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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.2844/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEMS FOR CONTACTLESS POWER TRANSFER

(51) International classification

:B23B

(31) Priority Document No

:12/914512

(32) Priority Date

:28/10/2010

(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 :

The invention provides a composition of matter and a method, which enhance the process of mechanically pulping paper precursors. The composition of matter includes a small quantity of a reducing agent and a source of alkali. When added to the pulped material, e.g., wood chips, before or during mechanical pulping, the composition reduces the energy cost of the operation. In addition, not only does the composition also does not reduce the brightness of pulp, the composition can also enhance the effectiveness of subsequent bleaching processes.

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

(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)BOHORI, ADNAN KUTUBUDDIN**

**2)RAMACHANDRAPANICKE R, SOMAKUMAR**

**3)BHAT, SUMA MEMANA NARAYANA**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5959/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONVERGED CORDLESS AND CELLULAR PHONE SYSTEM

(51) International classification	:H04W 40/00
(31) Priority Document No	:12/369,915
(32) Priority Date	:12/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000109
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/092567
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GOOGLE INC.

Address of Applicant :1600 AMPHITHEATER PARKWAY,  
MOUNTAIN VIEW, CALIFORNIA 94043, U.S.A.

(72)Name of Inventor :

1)EYAL BYCHKOV

2)TAL ENGELSTEIN

3)YAIR LESHEM

4)URI RON

5)URIEL R. BRISON

6)SIGALIT KLIMOVSKY

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(57) Abstract :

An integrated cordless and cellular phone system, including a base station for one or more cordless phones, the base station being served by a fixed line telephone network operator, including one or more slots for attaching one or more cellular phone modules therein, the cellular phone modules being served by corresponding cellular network operators, wherein each of the one or more slots is associated with a corresponding cordless phone, and call routing circuitry (i) for identifying an incoming call to the base station as being intended for a specific one of the cellular phone modules, and (ii) for routing the incoming call to the cordless phone that is associated with the slot to which the specific cellular phone module is attached. A method is also described and claimed.

No. of Pages : 31 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2317/DEL/2011 A

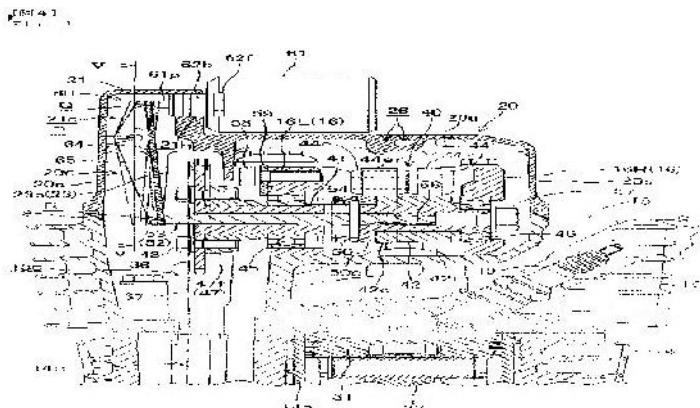
(43) Publication Date : 11/10/2013

(54) Title of the invention : VALVE OPERATING APPARATUS WITH VARIABLE VALVE TIMING

(51) International classification	:B65G	(71)Name of Applicant :
(31) Priority Document No	:2010-197454	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO 107-8556 JAPAN
(32) Priority Date	:03/09/2010	(72)Name of Inventor :
(33) Name of priority country	:Japan	1)TERUHIDE YAMANISHI 2)KAZUO FUJIHARA 3)KAZUHIKO CHIBA 4)YASUO TERADA 5)MITSURU KOJIMA
(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 a valve operating apparatus with variable valve timing which is made up of a reduced number of parts, simple in structure, and small in size. [Solving Means] A valve operating apparatus with variable valve timing includes a valve operating camshaft (41), a variable cam member (50) splined to an outer circumferential surface of the valve operating camshaft (41) and rotatable therewith and axially slidably displaceable for varying valve timing depending on the position to which it is displaced, and a slider mechanism (52) for axially slidably displacing the variable cam member (50). The slider mechanism (52) includes a slide rod (53) slidably fitted in a central axial hole (41h) defined in the valve operating camshaft (41), the slide rod (53) being slidable in response to operation of an actuator (61), and a coupling member (54) extending through an axially elongate hole (41s) defined in the valve operating camshaft (41) and coupling the slide rod (53) and the variable cam member (50) to each other. The coupling member (54) can abut against a longitudinal end of the elongate hole (41s) to limit sliding movement of the variable cam member (50). [Selected Drawing] Fig. 4



No. of Pages : 100 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.2389/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM OF COMPOSING EMAIL(S) IN A WEBMAIL INTERFACE

(51) International classification

:H04L

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

The present invention also provides a method and system wherein files intended to be shared can be stored and managed at a virtual space and shared with recipients as a link. The present invention also enables the user to execute rights management on the emails and also share safe and secured mails using encrypted technology. Further, the invention provides a method and system wherein the user can manage emails by setting priority, requesting delivery report, scheduling delivery of email at particular time and date, setting reminders, attaching V cards or events and digitally signing the emails.

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

(71)Name of Applicant :

**1)AJAY DATA**

Address of Applicant :D-47 HANUMAN NAGAR  
LAXMAN MARG NEAR BSNL TELEPHONE EXCHANGE  
VAISHALI NAGAR JAIPUR 302021 India

(72)Name of Inventor :

**1)AJAY DATA**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5951/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ANTI-TROP-2 MONOCLONAL ANTIBODIES AND USES THEREOF IN THE TREATMENT AND DIAGNOSIS OF TUMORS

(51) International classification	:A36K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ONCOXX S.R.L.</b>
(32) Priority Date	:NA	Address of Applicant :Via Cetdeo Ciglia 8 65128 Pescara PE Italy.
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IT2009/000035	<b>1)Saverio ALBERTI</b>
Filing Date	:05/02/2009	
(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	

(57) Abstract :

The present invention teaches anti-Trop-2 monoclonal antibodies with high affinity and able to recognize different regions of the Trop-2 molecule, and uses thereof in the treatment and diagnosis of tumors, such as for example endometrium, breast, head and neck, colon-rectum, stomach, lung, ovary, prostate, pancreas, kidney, cervix and bladder (urothelial) tumors.

No. of Pages : 40 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5952/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ORGANOSOLV BIOPROCESSING OF WHOLE SUGAR CANE

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(51) International classification	:B23B
(31) Priority Document No	:61/145,478
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000057
Filing Date	:15/01/2010
(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 :

**1)LIGNOL INNOVATIONS LTD.**

Address of Applicant :Unit 101-4705 Wayburne Drive  
Burnaby British Columbia V5G 3L1 Canada.

(72)Name of Inventor :

**1)PYE Edward Kendall**

**2)RUSHTON Michael**

**3)MACLACHLAN John Ross**

(57) Abstract :

An apparatus for processing sugar cane to concurrently produce sugar from cane juice, and ethanol and other co-products from bagasse. The apparatus comprises equipment for separating a cane juice stream and a fibrous bagasse from a sugar cane feedstock, equipment for refining the cane juice, equipment for processing the fibrous bagasse for recovery therefrom of a cellulosic pulp and a liquor stream, equipment for saccharification and fermentation of the cellulosic pulp to produce a fermentation beer therefrom, and equipment for recovery of an ethanol stream from the fermentation beer. Legacy sugar mills may be retrofitted with a bagasse biorefining apparatus to concurrently produce ethanol and co-products, with existing cane juice extraction and processing operations.

No. of Pages : 24 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/02/2012

(21) Application No.1455/DELNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : NITROIMIDAZOOXAZINE AND NITROIMIDAZOOXAZOLE ANALOGUES AND THEIR USES

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(51) International classification	:C07D 498/04
(31) Priority Document No	:61/230,422
(32) Priority Date	:31/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043908
Filing Date	:30/07/2010
(87) International Publication No	:WO 2011/014776
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT**  
Address of Applicant :40 WALL STREET, 24TH FLOOR,  
NEW YORK, NEW YORK 10005 UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)THOMPSON, ANDREW, M.  
2)DENNY, WILLIAM, ALEXANDER  
3)BLASER, ADRIAN  
4)MA, ZHENKUN**

---

(57) Abstract :

The current invention pertains to nitroimidazooxazine and nitroimidazooxazole analogues, their methods of preparation, and uses of the compounds as treatment for *Mycobacterium tuberculosis*, for use as anti-tubercular drugs, for use as anti-protozoal agents with unexpectedly high potency against *Trypanosoma cruzi* or *Leishmania donovani*, and for the treatment of other microbial infections.

No. of Pages : 142 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.2472/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL BIOACTIVE EXTRACT OF RATANJOT TO INHIBIT/DECREASE THE MELANIN PRODUCTION IN MELANOCYTES

(51) International classification	:A01J	(71) <b>Name of Applicant :</b> <b>1)AMITY UNIVERSITY</b> Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125, NOIDA-201303 Uttar 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)V.POOGA</b>
(87) International Publication No	:NA	<b>2)SEEMA BHATNAGAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ASHWANI K.SRIVASTAVA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a bioactive extract obtained from the plant Ratanjot (Onosma hispidum) that is effective against reducing melanin production in melanocytes. This property is important for inhibiting various skin diseases and skin infections occurring due to uncontrolled melanin production. The bioactive ingredient from Onosma hispidum has tremendous potential to reduce melanin production at very low concentration. This extract is natural and devoid of any side effects.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.2873/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND DEVICE FOR CORRECTING A SENSOR VARIABLE OF A SENSOR AND TO OPERATE A CONTROLLER FOR AN ACTUATING ELEMENT

(51) International classification	:B66B
(31) Priority Document No	:102010041999.0
(32) Priority Date	:05/10/2010
(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)ROBERT BOSCH GMBH**

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

(72)Name of Inventor :

**1)SILBERBAUER, MARTIN**

**2)PRAXMARER, MEINRAD**

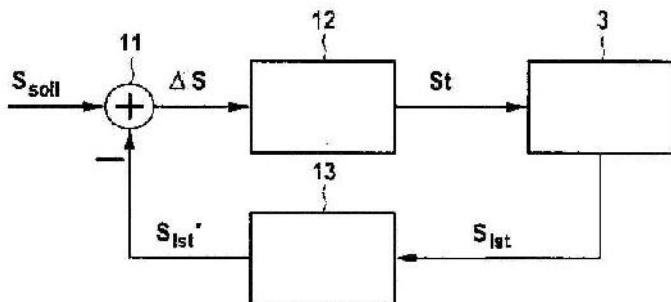
**3)ZIMMERMANN, GERALD**

**4)NEUBURGER, ROBERT**

(57) Abstract :

Described herein is a method for correcting a sensor variable ( $S_{Ist}$ ) of a sensor (6) for detecting a state variable of a gaseous or liquid medium, in particular of a sensor (6) in an air system of a motor vehicle. The method includes subjecting the gaseous or liquid medium to pulsations of a defined frequency; and correcting the sensor variable ( $S_{Ist}$ ) by subjecting with at least one separately generated periodic compensation variable (K).

**Fig. 2**



No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5940/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : EXPRESSION VECTOR SYSTEM COMPRISING TWO SELECTION MARKERS

(51) International classification	:C12N 15/79
(31) Priority Document No	:09153995.7
(32) Priority Date	:27/02/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/001224
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/097240
(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)NOVARTIS AG

Address of Applicant :LICHTSTRASSE 35, CH-4056  
BASEL, SWITZERLAND

(72)Name of Inventor :

1)JOSTOCK THOMAS

2)KNOPF HANS-PETER

---

(57) Abstract :

The invention pertains to an expression vector or a combination of at least two expression vectors comprising at least (a) a polynucleotide encoding a product of interest or an insertion site for incorporating a polynucleotide encoding a product of interest; (b) a polynucleotide encoding a first selectable marker (sm I); (c) a polynucleotide encoding a second selectable marker (sm II), which is different from the first selectable marker (sm I), wherein the activity of the selectable marker (sm I) or (sm II) is at least partially influenced by the activity of the other selectable marker and wherein the selectable markers (sm I) and (sm II) are involved in the folate metabolism. Also provided are suitable host cells, selection methods and methods for producing polypeptides with high yield.

No. of Pages : 62 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5943/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IPV6 ANYCAST-BASED LOAD BALANCING AND REDIRECTION FUNCTIONALITY FOR PMIPv6

(51) International classification	:H04W 8/06
(31) Priority Document No	:61/202,429
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/052433
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/097445
(61) 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 :**

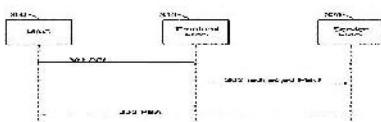
**1)KORHONEN, JOUNI**

**2)PATIL, BASAVARAJ**

---

(57) Abstract :

A method, apparatus, computer program, and system is provided to redirect an internet protocol mobility session establishment request. According to certain embodiments of the invention, the request message is redirected from an original local mobility anchor (LMA) to an alternative LMA. According to certain embodiments of the invention, this redirection provides load balancing between the LMAs.



No. of Pages : 38 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5944/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HIGH CONCENTRATED PUFA EMULSIONS

(51) International classification	:C07C
(31) Priority Document No	:09152506.3
(32) Priority Date	:11/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/000836
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/091853
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DSM IP ASSETS B. V.**

Address of Applicant :HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS

(72)Name of Inventor :

**1)VOELKER, KARL MANFRED**

**2)LINDEMANN, THOMAS**

**3)HUG, DENIS**

---

(57) Abstract :

The present invention relates to an oil-in-water-emulsion, which comprises a high amount of PUFA and which comprises a polymeric hydrocolloid from a plant source as an emulsifier. These emulsions can be used in any kind of food products, especially in beverages.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.2312/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ABSORBER FOR CONCENTRATED SOLAR POWER SYSTEM

(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)SUNBORNE ENERGY TECHNOLOGIES PVT. LTD  
Address of Applicant :UNIT 403, 4TH FLOOR, TOWER-A,  
UNITECH CYBER PARK, SECTOR-39, GURGAON-122001,  
INDIA

2)IMDEA ENERGY INSTITUTE

3)STEINFELD, ALDO

(72)Name of Inventor :

1)GOEL, NITIN

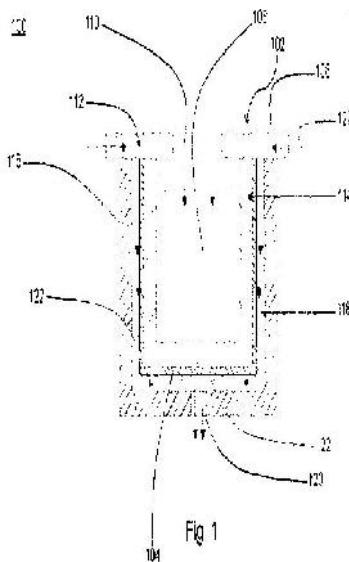
2)ROMERO, MANUEL

3)POKKUNURI, PRASAD

4)STEINFELD, ALDO

(57) Abstract :

The present subject matter relates to an absorber (100) for a Concentrated Solar Power (CSP) system. The absorber (100) includes an enclosure (102), where the enclosure (102) includes an incident wall (106) having an aperture (110) for access of sunlight. The enclosure (102) includes a first heat transfer structure (114) provided in a cavity (108) of the enclosure (102) to absorb a first portion of thermal energy from the sunlight. Furthermore, the incident wall (106) includes a second heat transfer structure (112) to absorb a second portion of thermal energy from the sunlight.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3074/DEL/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS TO TRANSPORT SOLIDS

(51) International classification

:F23K

(31) Priority Document No

:12/652,440

(32) Priority Date

:05/01/2010

(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) Abstract :

A solids transport system (211) is configured to convey solids at a predetermined temperature. The solids transport system includes at least one conduit (206/213) coupled in flow communication to a conveying fluid source. The system also includes a plurality of steam heating devices (524/526/528) coupled together in flow communication by the at least one conduit (530/532).

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

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

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

(72)Name of Inventor :

**1)MISHRA SUNIL RAMABHILAKH**

**2)THACKER PRADEEP S.**

**3)MAZUMDAR ANINDRA**

**4)VENKATRAMAN VIGNESH**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3076/DEL/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ULTRASOUND IMAGING SYSTEM AND METHOD FOR DISPLAYING A TARGET IMAGE

(51) International classification	:A61B
(31) Priority Document No	:12/878,423
(32) Priority Date	:09/09/2010
(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)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)GERARD OLIVIER

2)HANSEN GUNNAR

(57) Abstract :

An ultrasound imaging system (100) includes a probe (105) including a plurality of transducer elements (104), a user interface (115), a display screen (118), and a processor (116). The processor (116) being configured to control the probe to acquire ultrasound data of an anatomical structure, the processor (116) being configured to generate a live image from the ultrasound data, the processor (116) being configured to display the live image on the display screen (118). The processor (116) also being configured to display a target image of the anatomical structure on the display screen (118).

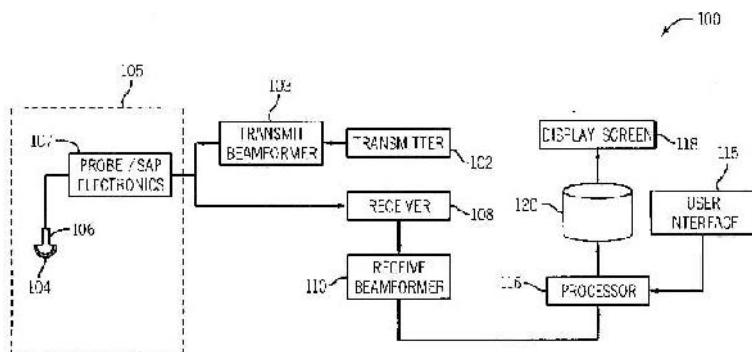


FIG. 1

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5947/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :03/08/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR SETTING RECEIVED SIGNAL PROCESSING DELAYS AS A FUNCTION OF CHANNEL DISPERSIVENESS

(51) International classification	:H04B 1/707	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/143,248	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:08/01/2009	Address of Applicant :SE-164 83 STOCKHOLM (SE)
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No	:PCT/IB2010/000006	(72) <b>Name of Inventor :</b>
Filing Date	:06/01/2010	1)CAIRNS, DOUGLAS A.
(87) International Publication No	:WO 2010/079412	2)JONSSON, ELIAS
(61) Patent of Addition to Application Number	:NA	3)BERGMAN, GORAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and apparatus provide for setting processing delay assignments in a CDMA receiver using a flat-channel placement or using a dispersive channel placement, in dependence on characterizing the channel as flat or dispersive. For example, a receiver maintains a logical flag reliably indicating the current channel state as flat or dispersive, and assigns or otherwise sets processing delays e.g., for received signal demodulation using a flat-channel placement algorithm or a dispersive-channel placement algorithm. The flat-channel placement algorithm generally provides better performance in flat-channel environments, and the dispersive-channel placement algorithm generally provides better performance in dispersive channel environments. Such processing may be regarded as activating a simplified processing delay placement grid that offers better performance if the channel truly is flat, with the underlying advantage of providing a reliable mechanism for detecting flat channel conditions.

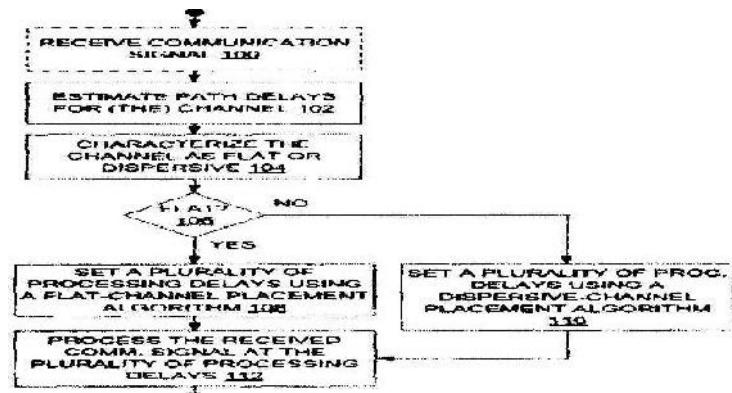


FIG. 2

No. of Pages : 28 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5948/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PRODUCING NATURAL GAS FROM HYDROCARBON HYDRATES WHILE SIMULTANEOUSLY STORING CARBON DIOXIDE IN GEOLOGICAL FORMATIONS

(51) International classification	:C07D
(31) Priority Document No	:102009007453.8
(32) Priority Date	:04/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2010/000059
Filing Date	:22/01/2010
(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 :**

**1)LEIBNIZ-INSTITUT FR MEERESWISSENSCHAFTEN**

Address of Applicant :Wischhofstr. 1-3 24148 Kiel (DE)

Germany

(72)**Name of Inventor :**

**1)WALLMANN Klaus**

**2)HAECKEL Matthias**

---

(57) Abstract :

The invention relates to a method for extracting methane from methane hydrates, comprising the following steps: feeding carbon dioxide to the methane hydrate deposits; allowing the carbon dioxide to take effect on the methane hydrate to release methane and store the carbon dioxide as carbon dioxide hydrate; and removing the released methane, characterised in that the fed carbon dioxide is supercritical carbon dioxide.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.2257/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COOLING SYSTEM EQUIPPED WITH AN ADVECTION-TYPE FAN

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(51) International classification

:B27M

(31) Priority Document No

:100112256

(32) Priority Date

:08/04/2011

(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 :

A cooling system equipped with an advection-type fan is disclosed. The cooling system includes a casing and an advection-type fan. The casing has a compartment receiving a heat-emitting source or a heat-conducting element. The casing further includes two radial air-guiding openings communicating with the compartment. The advection-type fan has a frame disposed in the compartment. The frame has an air-guiding lateral wall defining a radial air channel. The frame has radial air inlet and a radial air outlet. Both the radial air inlet and the radial air outlet communicate with the radial air channel. The radial air inlet and the radial air outlet face the two radial air-guiding openings of the casing respectively.....

No. of Pages : 33 No. of Claims : 27

(71)Name of Applicant :

**1)Sunonwealth Electric Machine Industry Co. Ltd.**

Address of Applicant :12F-1 No.120 Chung-Cheng 1st Rd.

Lingya Dist. Kaohsiung R.O.C. Taiwan

(72)Name of Inventor :

**1)Alex HORNG**

**2)Cheng-Hsueh LEE**

**3)Yuan-Jie ZHENG**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.5853/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PNEUMATIC TIRE

(51) International classification	:B60C 11/00
(31) Priority Document No	:2009-018447
(32) Priority Date	:29/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/000521
Filing Date	:28/01/2010
(87) International Publication No	:WO 2010/087190
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BRIDGESTONE CORPORATION**

Address of Applicant :10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO 1048340, JAPAN

(72)Name of Inventor :

**1)AKIRA TOMITA**

(57) Abstract :

A pneumatic tire for improving uneven wear resistance of a tread is provided. A pneumatic tire comprises a carcass serving as a framework and toroidally extending between a pair of bead cores, a belt and a tread disposed on a radially outer side of the carcass, wherein the tread comprises a plurality of tread rubber layers, dynamic elasticity of the outer tread rubber layer located in a radially outermost side of the tire is higher than dynamic elasticity of the inner tread rubber layer located in a radially innermost side of the tire, and a thickness of the inner tread rubber layer in a tire equatorial plane is smaller than a thickness of the inner tread rubber layer in other regions.

No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5964/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LINER FOR UNVULCANIZED RUBBER MEMBER

(51) International classification	:D03D 1/00
(31) Priority Document No	:2009-005086
(32) Priority Date	:13/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/050241
Filing Date	:12/01/2010
(87) International Publication No	:WO 2010/082569
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BRIDGESTONE CORPORATION**

Address of Applicant :10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO 1048340, JAPAN

(72)Name of Inventor :

**1)SHOGO TAKEDOMI**

(57) Abstract :

A liner for an unvulcanized rubber member is provided that has excellent durability while maintaining the tackiness of an unvulcanized rubber member. An unvulcanized rubber member liner 10 is a plain fabric made from weft threads 14 of a split yarn of 1000 to 1330 dtex fiber diameter threads formed from a smooth faced resin film. Fine linear threads of multi-filament thread are employed as warp threads 12. Due to employing smooth surfaced split yarn weft threads 14, the surface of an unvulcanized rubber member 16 that makes contact with the weft threads 14 is also made smooth. The multi-filament threads of the warp threads 12 suppress the contact surface area with the unvulcanized rubber member 16 to a minimum. Accordingly the surface of the unvulcanized rubber member is made smoother overall than when a liner formed from a conventional plain fabric is employed. This results in excellent release properties while excellent tackiness of the unvulcanized rubber member can be maintained. A high durability is also obtained due to coating of the liner surface not being required.

No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5965/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : WIND TURBINE BLADE WITH A LIGHTNING PROTECTION SYSTEM

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(51) International classification	:F03D 1/06
(31) Priority Document No	:09154511.1
(32) Priority Date	:06/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/052904
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/100283
(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)LM GLASFIBER A/S

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

(72)Name of Inventor :

1)LARS BO HANSEN

(57) Abstract :

The invention relates to a wind turbine blade with a lightning protection system, where the blade comprises a shell body made of a composite material and comprises a longitudinal direction with a root end and a tip end. The blade further comprises a profiled contour including a pressure side and a suction side, as well as a leading edge and a trailing edge with a chord having a chord length extending there between, the profiled contour, when being impacted by an incident airflow, generating a lift. The lightning protection system comprises at least one lightning receptor arranged freely accessible in or on the shell unit surface at or in the immediate vicinity of the tip of the blade. The lightning protection system further comprises a lightning down conductor made of electrically conductive material extending within the shell body from the lightning receptor to the root end of the blade. The lightning receptor and the lightning down conductor are electrically connected. The shell body comprises at least a first conductive layer extending along at least a longitudinal part of the lightning down conductor in a transverse distance therefrom. The first conductive layer is electrically isolated from the lightning down conductor and from the lightning receptor, and has a sheet resistance in the range 1-5 Mega Ohm per square.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5860/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PRODUCTION OF TNFR-IG FUSION PROTEIN

(51) International classification	:C12P 21/02
(31) Priority Document No	:60/605,379
(32) Priority Date	:27/08/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2005/030439
Filing Date	:26/08/2005
(87) International Publication No	:WO 2006/026447
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2317/DELNP/2007
Filed on	:26/03/2007

(71)Name of Applicant :

1)WYETH RESEARCH IRELAND LIMITED

Address of Applicant :LITTLE CONNELL, NEWBRIDGE,  
COUNTY KILDARE IRELAND

(72)Name of Inventor :

1)DRAPEAU, DENIS

2)LUAN, YEN-TUANG

3)MERCER, JAMES, R.

4)WANG, WENGE

5)LASKO, DANIEL

(57) Abstract :

An improved system for large scale production of proteins and/or polypeptides in cell culture, particularly in media characterized by one or more of: i) a cumulative amino acid concentration greater than about 70 mM; ii) a molar cumulative glutamine to cumulative asparagine ratio of less than about 2; iii) a molar cumulative glutamine to cumulative total amino acid ratio of less than about 0.2; iv) a molar cumulative inorganic ion to cumulative total amino acid ratio between about 0.4 to 1; or v) a combined cumulative glutamine and cumulative asparagine concentration between about 16 and 36 mM, is provided. The use of such a system allows high levels of protein production and lessens accumulation of certain undesirable factors such as ammonium and/or lactate. Additionally, culture methods including a temperature shift, typically including a decrease in temperature when the culture has reached about 20-80% of its maximal cell density, are provided. Alternatively or additionally, the present invention provides methods such that, after reaching a peak, lactate and/or ammonium levels in the culture decrease over time.

No. of Pages : 134 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5861/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COOPERATIVE ENVIRONMENTAL AND LIFE BENEFIT EXCHANGE SYSTEM

---

(51) International classification	:G05D 11/00
(31) Priority Document No	:12/351,446
(32) Priority Date	:09/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCTUS2009/049899
Filing Date	:08/07/2009
(87) International Publication No	:WO 2010/080171
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)EISENLOHR, BRETT**

Address of Applicant :336 HUCKLEBERRY HILL ROAD,  
AVON, CONNECTICUT 06001 (US). U.S.A.

(72)Name of Inventor :

**1)EISENLOHR, BRETT**

(57) Abstract :

A cooperative environmental and life benefit exchange system (400) is presented. The system [400] includes a grid (40) for transmitting available electrical energy (E'), a plurality of rate payers (420) using energy (E') generated from renewable energy sources (120, 162), a plurality of utility companies (430) providing the grid, a plurality of credits (410) redeemable for acquiring one or more of a plurality of life benefits (600), and an administrator (450) overseeing a redemption process (480). In one embodiment, credits (410) are accumulated by the rate payers (420) based on either a predetermined amount of electrical energy purchased from or sold back to the grid. In the redemption process (480) the credits accumulated (512) by the rate payers (420) are redeemed at a redemption rate (484) to provide a redemption value (512). The redemption value (512) is remitted by the rate payers (420) to satisfy benefit cost for acquiring the life benefits (600), or portions thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5864/DELNP/2011 A

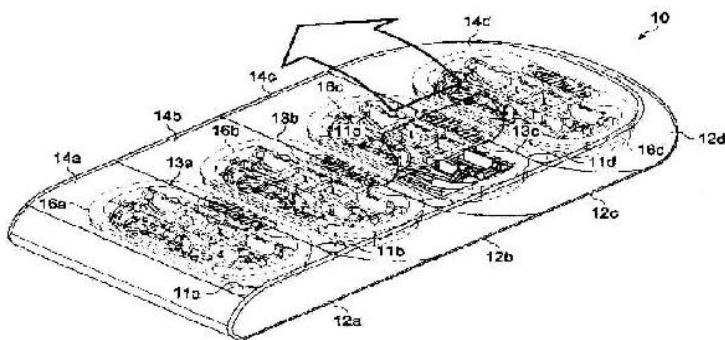
(43) Publication Date : 11/10/2013

(54) Title of the invention : CHOLESTANOL DERIVATIVE FOR COMBINED USE

(51) International classification	:A61K 31/704	(71)Name of Applicant :
(31) Priority Document No	:PCT/JP2009/000985	<b>1)OTSUKA PHARMACEUTICAL CO., LTD.</b>
(32) Priority Date	:04/03/2009	Address of Applicant :2-9, KANDA-TSUKASA-MACHI
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 101-8535, JAPAN
(86) International Application No	:PCT/JP2010/004353	<b>2)NATIONAL UNIVERSITY CORPORATION GUNMA</b>
Filing Date	:03/09/2009	<b>UNIVERSITY</b>
(87) International Publication No	:WO 2010/100686	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)SHIN YAZAWA</b>
Filing Date	:NA	<b>2)TOYO NISHIMURA</b>
(62) Divisional to Application Number	:NA	<b>3)TAKAYUKI ASA0</b>
Filing Date	:NA	

(57) Abstract :

The invention provides a cancer chemotherapeutic agent which has fewer side effects and excellent efficacy. The cancer chemotherapeutic agent of the invention includes a cholestanol derivative represented by formula (1): (Formula remove) (wherein, G represents GlcNAc-Gal-, GlcNAc-Gal-Glc-, Fuc-Gal-, Gal-Glc-, Gal-, or GlcNAc-) or a cyclodextrin inclusion compound thereof, and an anti-cancer agent.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5977/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : APPARATUS, METHOD AND ARTICLE OF MANUFACTURE

(51) International classification	:H04L 1/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/051187
Filing Date	:03/02/2009
(87) International Publication No	:WO 2010/088950
(61) 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)TIROLA, ESA TAPANI

2)CHE, XIANG GUANG

3)CHEN, PENG

4)FREDERIKSEN, FRANK

5)KOLDING, TROELS

(57) Abstract :

There is provided a method comprising: performing (1301) frequency domain acknowledgement/negative acknowledgement (ACK/NAK) bundling across component carriers within a user equipment reception bandwidth; generating (1302) a bundled ACK/NAK value corresponding to at least one code word on the basis of the performed ACK/NAK bundling; and including (1303) information relating to the generated bundled ACK/NAK value and the number of detected downlink grants within the user equipment reception bandwidth in an ACK/NAK resource to be transmitted on an uplink control channel.

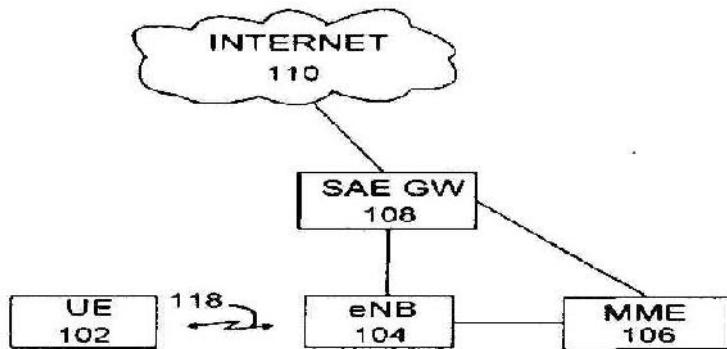


Fig. 1

No. of Pages : 38 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3115/DEL/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : POWER SOURCE APPARATUS

(51) International classification	:H01M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-296705	<b>1)SANYO ELECTRIC CO., LTD.</b>
(32) Priority Date	:28/12/2009	Address of Applicant :5-5, KEIHAN-HONDORI 2-CHOME, MORIZUCHI SHI, OSAKA 570-8677, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SHINGO OCHI</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 power source apparatus is provided with batteries having positive and negative electrode regions, parallel blocks with batteries stacked together and electrically connected in parallel, multiple parallel-series connected blocks with the parallel blocks electrically connected in series, and bus-bars having a plurality of insertion holes to insert the positive and negative electrode regions and electrically connect the batteries. Batteries in a parallel block are stacked together lining-up positive electrode regions on one side and negative electrode regions on the other side. Parallel blocks in a multiple parallel-series connected block are stacked reversing the orientation of each block added to the stack. The bus-bars are integrated pieces that can electrically connect the batteries in a parallel block in parallel as well as electrically connect the parallel blocks in series.

No. of Pages : 43 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3116/DEL/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR THE SEPARATION OF ORGANIC AND AMINO ACIDS FROM FERMENTATION BROTHS

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09 290999.3	<b>1)ROHM AND HAAS EUROPE SERVICES APS</b> Address of Applicant :SUCCURSALE FRANCE, 185 RUE DE BERCY, 75579 PARIS CEDEX 12, FRANCE
(32) Priority Date	:29/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:France	<b>1)ARESKI REZKALLAH</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a solid bed adsorptive separation of organic acid and/or amino acids from fermentation broths containing organic acid and/or amino acid.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5970/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LIGHT GUIDE OPTICAL DEVICE

(51) International classification	:G02B 27/14
(31) Priority Document No	:148804
(32) Priority Date	:21/03/2002
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2003/000237
Filing Date	:19/03/2003
(87) International Publication No	:WO 03/081320
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2763/DELNP/2004
Filed on	:17/09/2004

(71)Name of Applicant :

**1)LUMUS LTD.**

Address of Applicant :2, BERGMAN STREET, REHOVOT  
76705, ISRAEL

(72)Name of Inventor :

**1)AMITAI YAAKOV**

(57) Abstract :

There is provided an optical device including a light-transmitting substrate having at least two major surfaces and edges, optical means for coupling light into the substrate by total internal reflection and at least one partially reflecting surface located in the substrate.

No. of Pages : 62 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5971/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : LIGHTWEIGHT STREAMING PROTECTION BY SEQUENCE NUMBER SCRAMBLING

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(51) International classification	:H04L 9/34
(31) Priority Document No	:12/361,211
(32) Priority Date	:28/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/050901
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/086317
(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)ST-ERICSSON SA

Address of Applicant :39 CHEMIN DU CHAMP-DES FILLES, CH-1228 PLAN-LES-OUATES (CH) Switzerland

(72)Name of Inventor :

1)BJORKENGREN, ULF

2)EKENBERG, STEFAN

(57) Abstract :

Methods and apparatus for securely streaming multimedia packets, such as RTP packets, are disclosed, in which the payloads of the packets are shuffled. This reordering is performed using a shuffling function that depends on sequence numbers associated with each of the packets, a predetermined group size N, and a predetermined initialization value; in some embodiments this shuffling function comprises a cryptographic hashing function or other one-way function. A receiving device may reverse the shuffling, using a similar shuffling function, if the predetermined group size N and the predetermined initialization value are known.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5973/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MULTISTAGE CYCLONIC FLUID SEPARATOR

(51) International classification	:F25J 3/02
(31) Priority Document No	:PCT/NL2009/050052
(32) Priority Date	:05/02/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/NL2009/050052
Filing Date	:05/02/2009
(87) International Publication No	:WO 2010/090510
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TWISTER B.V.

Address of Applicant :EINSTEINLAAN 10, NL-2289 CC  
RIJSWIJK, Netherlands

(72)Name of Inventor :

1)BETTING, MARCO

2)TJEENK WILLINK, CORNELIS ANTONIE

3)VAN BAKEL, ROBERT PETRUS

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(57) Abstract :

The invention relates to a cyclonic fluid separator comprising a throat portion (4) which is arranged between a converging fluid inlet section and a diverging fluid outlet section. The cyclonic fluid separator is arranged to facilitate a cyclonic flow through the converging fluid inlet section and the throat portion towards the diverging fluid outlet section in a downstream direction. The diverging fluid outlet section comprises an inner primary outlet conduit (7) for condensables depleted fluid components and an outer secondary outlet conduit (6) for condensables enriched fluid components. The cyclonic fluid separator comprises a further outer secondary outlet conduit (16). The outer secondary outlet conduit (6) is positioned on a first position along a central axis (I) of the cyclonic fluid separator and the further outer secondary outlet conduit (16) is positioned on a second position along the central axis (I) of the cyclonic fluid separator.

No. of Pages : 59 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.2748/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : RETROFITTING OF SELF GENERATING (SG) SYSTEM OF PASSENGER COACHES FOR COMPATIBILITY WITH TRACTION POWER

(51) International classification	:B23B	(71) <b>Name of Applicant :</b> <b>1)SUBHASH CHANDER</b> Address of Applicant :B-1/519 JANAK PURI NEW DELHI - 110058 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)SUBHASH CHANDER</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 :

9. Summary 9.1 Patent application submitted here-in is for modification/retrofitting of electrical circuits of the existing SG Coaches of Indian Railways and is titled as :- 'Retrofitting of Self Generating (SG) System of Passenger Coaches for Compatibility with Traction Power'. 9.2 The modification/retrofitting suggested will enable the electrical equipments of the passenger coach otherwise operating on SG System, to operate on the single phase AC power supplied by the HOG or TPC without any additional phase converter/s (bulk or individual). 9.3 The Invention can be applied in several ways to provide a traction power based electrical power supply system for the utilities. For example:- 9.3.1 Substitute the electrical power from alternator by that of HOG/TPC and this arrangement will yield a Universal Power System which will work both on electrified and non-electrified tracks. In this variant, the Universal Power System imparts the utmost flexibility in operation with the retrofitted system being capable of meeting the utility power requirement of the respective coach on the electrified as well as non electrified (mixed) tracks. 9.3.2 Connect the electrical power from TPC to the input of either the pre-cooling transformer or of static converter. While the former arrangement will need a suitable step-down transformer, the later may not need any step-down or step-up component/s. Components of the SG system like Alternator, Rectifier/s, Battery, and Inverter will be redundant The only additional components required in retrofitting would be a step down

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5870/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INFUSION PUMP CASSETTE WITH ANTI-FREE-FLOW VALVE MECHANISM

(51) International classification	:A61M 5/142
(31) Priority Document No	:61/148,830
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021727
Filing Date	:22/01/2010
(87) International Publication No	:WO 2010/088144
(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)NESTEC S.A

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND

(72)Name of Inventor :

1)HARIHARESAN, SERALAATHAN

2)HIGHLEY, BRIAN

(57) Abstract :

A fluid delivery system that includes an infusion pump and a cassette (1) with tubing (75) that is configured for engaging the pump mechanism of the infusion pump to accurately and repeatably deliver a fluid to a subject. The cassette has a housing with first and second ends for holding flexible tubing through which the fluid is directed, and the tubing engages a pumping mechanism to provide movement of the fluid through the tubing. When engaged with the pumping mechanism, the length of tubing is accurately and repeatably positioned in contact with and between the curved wall and the pumping mechanism.

No. of Pages : 35 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5871/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : 2-MORPHOLINO-PYRIDO [3, 2 - D] PYRIMIDINES

(51) International classification	:C07D 471/04
(31) Priority Document No	:09152709.3
(32) Priority Date	:12/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/051373
Filing Date	:04/02/2010
(87) International Publication No	:WO 2010/091996
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MERCK SERONO S.A.

Address of Applicant :CENTRE INDUSTRIEL, 1267 COINSINS SWITZERLAND

(72)Name of Inventor :

1)MONTAGNE CYRIL

2)BOMBRUN AGNES

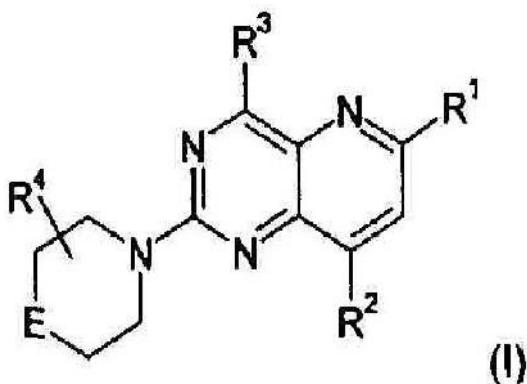
3)DESFORGES-GWENAEILLE

4)QUATTROPANI ANNA

5)GAILLARD PASCALE

(57) Abstract :

This invention relates to compounds of Formula (I) as Pi3k inhibitors for treating autoimmune deseases, inflammatory disorders, multiple sclerosis and other deseases like cancers.



No. of Pages : 137 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5990/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PREDICTING CORROSION RATES USING MECHANISTIC MODELS

(51) International classification	:F17D 3/12
(31) Priority Document No	:61/145,645
(32) Priority Date	:19/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/021322 :18/01/2010
(87) International Publication No	:WO 2010/083489
(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)BP CORPORATION NORTH AMERICA INC.

Address of Applicant :4101 WINFIELD ROAD,  
WARRENVILLE, ILLINOIS 60555, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

1)HERNANDEZ, SANDRA

2)ZHANG, ZIRU

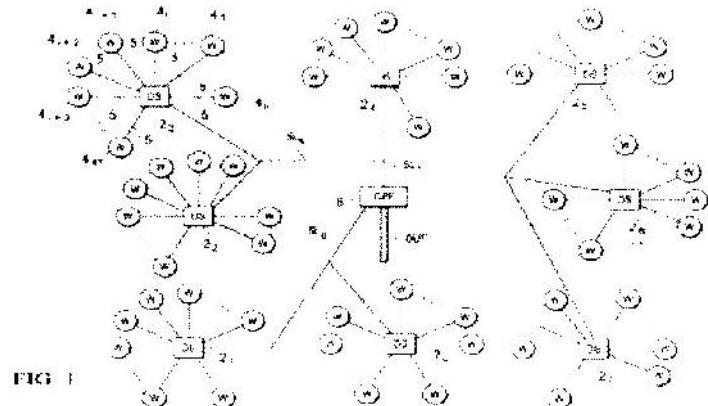
3)WOOLLAM, RICHARD

4)VERA, JOSE

5)DURNIE, WILL

(57) Abstract :

A computer system and method for predicting the aqueous phase CO<sub>2</sub> corrosion rate of a pipe useful in the production and transportation of oil and gas. Input parameter values corresponding to water chemistry and physical fluid and pipe properties are received. Based on these input parameter values, the system and method derive current-voltage relationships for multiple cathodic reduction reactions according to an electrochemical model of the corrosion reaction, and a current-voltage relationship for the anodic oxidation reaction of iron dissolution. A current density is obtained, at the intersection of an extrapolation of the anodic current-voltage relationship and an extrapolation of the summed cathodic current-voltage relationships. The predicted corrosion rate is then calculated from the obtained current density. The effects of secondary parameters such as scale and flow regime, and the efficacy of a corrosion inhibitor, can also be evaluated.



No. of Pages : 64 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5953/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR INSPECTING QUALITY OF GLASS PLATE AND QUALITY INSPECTION PROGRAM

(51) International classification	:F21S	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-022839	<b>1)ASAHI GLASS COMPANY LIMITED</b>
(32) Priority Date	:03/02/2009	Address of Applicant :5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8405, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/051528	<b>1)SONDA Yoshiyuki</b>
Filing Date	:03/02/2010	
(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	

(57) Abstract :

Provided is a method for inspecting the quality of a glass plate wherein the shape of the glass plate on a measurement inspection table with four support points can be predicted from the shape of the glass plate on a general-purpose measurement inspection table with three support points. The method includes steps of computing three kinds of design shape data relating to the glass plate in the state where the glass plate is placed on the measurement inspection table with three support points, computing positional data relating to virtual four-point support of the glass plate on the basis of measurement shape data relating to the glass plate in the state where the glass plate is placed on the measurement inspection table, computing shape data on an intended measurement inspection table using the correction amount of load distribution according to the degree of the movement of the load distribution..

No. of Pages : 35 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5954/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL BENZODIAZEPINE DERIVATIVES•

(51) International classification	:C07D
(31) Priority Document No	:61/150,201
(32) Priority Date	:05/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023150
Filing Date	:04/02/2010
(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)IMMUNOGEN INC.

Address of Applicant :830 Winter Street Waltham MA  
02451 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)LI Wei

2)FISHKIN Nathan Elliott

3)ZHAO Robert Yongxin

4)MILLER Michael Louis

5)CHARI Ravi V. J.

(57) Abstract :

The invention relates to novel benzodiazepine derivatives with antiproliferative activity and more specifically to novel benzodiazepines of formula (I) and (II), in which the diazepine ring (B) is fused with a heterocyclic ring (CD), wherein the heterocyclic ring is bicyclic or a compound of formula (III), in which the diazepine ring (B) is fused with a heterocyclic ring (C), wherein the heterocyclic ring is monocyclic. The invention provides cytotoxic dimers of these compounds. The invention also provides conjugates of the monomers and the dimers. The invention further provides compositions and methods useful for inhibiting abnormal cell growth or treating a proliferative disorder in a mammal using the compounds or conjugates of the invention. The invention further relates to methods of using the compounds or conjugates for in vitro, in situ, and in vivo diagnosis or treatment of mammalian cells, or associated pathological conditions.

No. of Pages : 343 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5955/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DRIVE DEVICE OF A REGULATION VALVE FOR CASTING LIQUID METAL

(51) International classification	:B22D 41/38
(31) Priority Document No	:EP09153150
(32) Priority Date	:18/02/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/000928
Filing Date	:16/02/2010
(87) International Publication No	:WO 2010/09447
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)VESUVIUS GROUP S.A

Address of Applicant :RUE DE DOUVRAIN, 17, B-7011  
GHLIN, BELGIUM

(72)Name of Inventor :

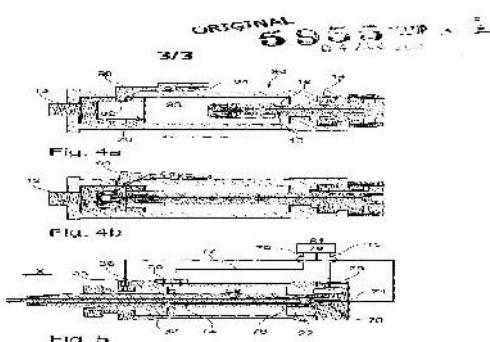
1)VINCENT BOISDEQUIN

2)JEFFREY BUTTS

3)JASON QUINN

(57) Abstract :

Device for driving a regulation valve for casting liquid metal The invention concerns a device (10) for driving a regulation valve for casting liquid metal, comprising a main rod (16) controlling the opening and closing of the valve, and means (40) of coupling the main rod (16) to the valve. The device also comprises means (62, 64) of controlling the coupling means (40), able to activate and deactivate the coupling means.



No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5957/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : OPTICAL CABLE WITH IMPROVED STRIPPABILITY

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(51) International classification	:G02B 6/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/053059
Filing Date	:16/03/2009
(87) International Publication No	:WO 2010/105657
(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)PRYSMIAN S.P.A

Address of Applicant :VIALE SARCA, 222, I-20126  
MILANO, ITALY

(72)Name of Inventor :

1)MARTIN DAVICES, SIMON JAMES FRAMPTON,  
ROGER PIKE AND RALPH SUTEHALL

(57) Abstract :

It is disclosed an optical cable comprising a buffer tube housing at least one optical fiber, a sheath surrounding such buffer tube and at least one longitudinal strength member embedded in the sheath, in which at least one separation element is provided between a portion of the outer surface of the buffer tube and the inner surface of the sheath, laying in an axial plane not containing the at least one strength member.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5958/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONVERSION OF COMBINED CYCLE POWER PLANT TO COMPRESSED AIR ENERGY STORAGE POWER PLANT

(51) International classification	:F02C 6/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/320,751	<b>1)MICHAEL NAKHAMKIN</b>
(32) Priority Date	:04/02/2009	Address of Applicant :40 WOODMAN LANE, BASKING RIDGE, NEW JERSEY 07920, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2009/048082	(72) <b>Name of Inventor :</b>
Filing Date	:22/06/2009	<b>1)MICHAEL NAKHAMKIN</b>
(87) International Publication No	:WO 2010/090653	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus and method converts a power generation combined cycle (CC) power plant to a load management compressed air energy storage (CAES) power plant. The CC power plant includes at least one combustion turbine, a heat recovery steam generator (HRSG) to receive exhaust heat from an associated combustion turbine, a steam turbine associated with the HRSG, and an electric generator associated with the steam turbine. An air storage stores compressed air. At least one compressor supplies the air storage with compressed air so that off peak energy can be converted to compressed air energy stored in the air storage. Compressed air from the storage is received by the HRSG and the HRSG provides heat to compressed air received from the air storage. The steam turbine receives heated compressed air from the HRSG and expands the heated compressed air to produce power.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3134/DEL/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTRICAL CONNECTOR WITH SHELL AND STATUS SWITCH

(51) International classification	:H0R
(31) Priority Document No	:EP 10075006.6
(32) Priority Date	:05/01/2010
(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 :

1)TYCO ELECTRONICS NEDERLAND BV

Address of Applicant :RIETVELDENWEG 32, NL-5222 AR,  
S-HERTOGENBOSCH, THE NETHERLANDS

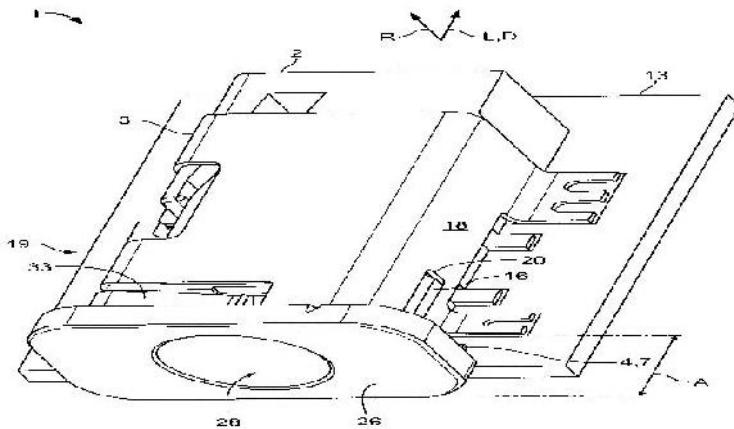
(72)Name of Inventor :

1)RIEMEIJER, MARTIN

2)ZWARTKRUIS, SJOERD

(57) Abstract :

The invention relates to a female electrical connector (1) comprising a contact volume (28) for receiving a jack (29), a shell (3) for securing the position of the connector (1) relative to a substrate (13) and a status switch (S), which is adapted to be operated by inserting the jack (29) into the contact volume (28). in order to provide for a smaller connector (1), the present invention provides that the switch (S) is at least partially integrated into the shell (3).



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/12/2010

(21) Application No.3135/DEL/2010 A

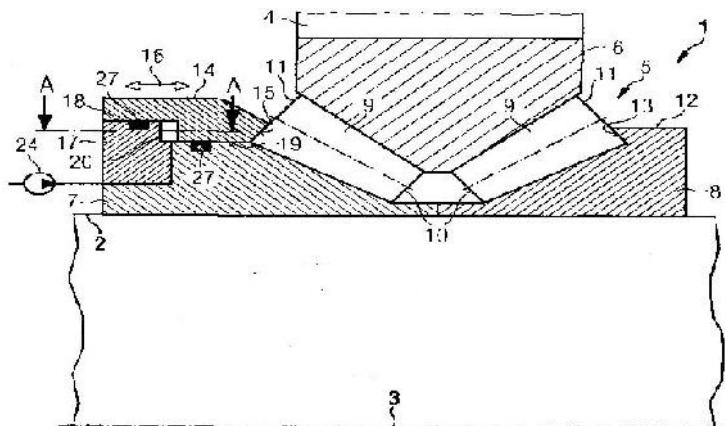
(43) Publication Date : 11/10/2013

(54) Title of the invention : BEARING SYSTEM FOR A WIND TURBINE ROTOR

(51) International classification	:F16C	(71)Name of Applicant :
(31) Priority Document No	:EP10154469	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:24/02/2010	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	1)VENTZKE; KLAUS
(87) 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 Bearing system for a wind turbine rotor comprises a double row tapered roller bearing (5) in O-arrangement, wherein the double row tapered roller bearing (5) comprises an inner ring (7), a circumferential row of tapered rollers (9) supported on the inner ring (7), and a floating inner rib (14), a driving device (26) as well as an removable interlocking device (17 - 24), wherein the floating inner rib (14) can be axially moved by the driving device (26) to a predetermined position so as to abut on each large roller end (11) facing axially outwards in order to apply a corresponding preload on each tapered roller (9), and rigidly coupled to the inner ring (7) by means of the interlocking device {17 - 24}.



No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5982/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AUTOMATICALLY CONTROLLED OPERATING METHOD FOR A WIRELESS IMAGE-TRANSMITTING APPARATUS USING TRAIN OPERATING INFORMATION

(51) International classification	:B61L 3/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2010-0000216	<b>1)PINETELECOM CO., LTD.</b>
(32) Priority Date	:04/01/2010	Address of Applicant :227 HANSHIN S-MECA 1359
(33) Name of priority country	:Republic of Korea	GWANPYEONG-DONG YUSEONG-GU DAEJEON-SI 305-509
(86) International Application No	:PCT/KR2010/005444	REPUBLIC OF KOREA
Filing Date	:18/08/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/081275	<b>1)KIM, BONG-KYOUNG</b>
(61) Patent of Addition to Application Number	:NA	<b>2)HAN, KYU HYEONG</b>
Filing Date	:NA	<b>3)KIM, KYOUNG TAEK</b>
(62) Divisional to Application Number	:NA	<b>4)YOUK, HAE UN</b>
Filing Date	:NA	<b>5)CHA, YOUNG JU</b>

(57) Abstract :

The present invention relates to a method of automatically controlling and operating a wireless image transmission apparatus using train operation information. More particularly, the present invention relates to a method of automatically controlling and operating a wireless image transmission apparatus using train operation information, in which image data based on train operation information for each station building that a running train is entering is automatically output to an on-board unit without requiring the additional manipulation of engineman whenever the running train passes by a specific position.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5983/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CAPSULE WITH A RUPTURABLE MEMBRANE USED IN PREPARING A DRINK

(51) International classification	:B65D 85/804
(31) Priority Document No	:PCT/IB2009/050111
(32) Priority Date	:12/01/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/IB2010/050051
Filing Date	:07/01/2010
(87) International Publication No	:WO 2010/079454
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ETHICAL COFFEE COMPANY SA

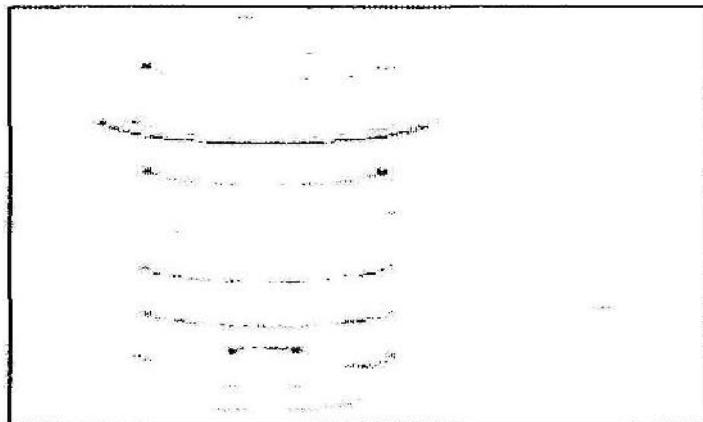
Address of Applicant :RUE DE FAUCIGNY 5 CH-1700  
FRIBOURG SWITZERLAND

(72)Name of Inventor :

1)MARILLER, ALAIN

(57) Abstract :

The present invention relates to a capsule for preparing a drink, for example coffee, including a hollow element (1) for containing a metered amount (2) of e.g. ground coffee, said hollow element including a side wall, an upper surface, and a lower surface with at least one membrane (4), said membrane being rupturable under the pressure of a liquid placed into the capsule to enable the flow of liquid through the metered amount, said capsule also including a cover (5) with at least one hole, said hole enabling the membrane (4) to rupture.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5984/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : FLAG-SHAPED HEAT EXCHANGER

(51) International classification	:F24J 2/07
(31) Priority Document No	:EP 09153046.9
(32) Priority Date	:17/02/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/051740
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/094618
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)COCKERILL MAINTENANCE & INGENIERIE S.A.

Address of Applicant :AVENUE GREINER, 1, B-4100  
SERAING, BELGIUM

2)ABENGOA SOLAR NEW TECHNOLOGIES S.A.

(72)Name of Inventor :

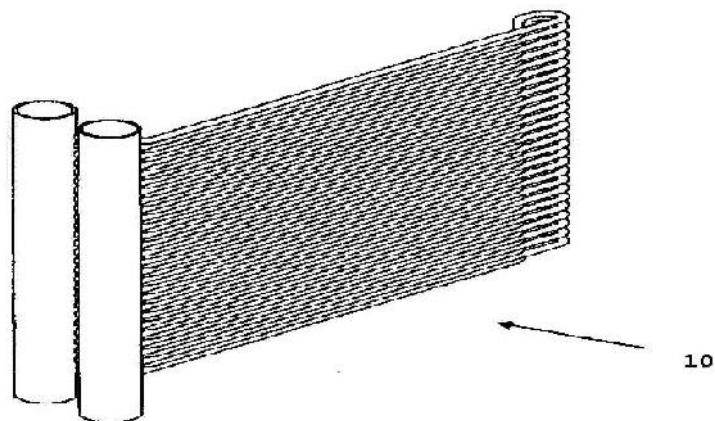
1)DETHIER, ALFRED

2)GARCIA RAMIREZ, ELENA

3)GARCIA RAMIREZ, ELENA

(57) Abstract :

The present invention relates to a heat exchanger configured to capture energy by radiation, comprising at least one flagshaped basic exchanger (10), including: a) an input collector (5) and an output collector (6); b) a plurality of exchange tubes (1) connected to the input collector (5) and to the output collector (6), respectively, and stacked so as to halt the incident radiation, each tube (1) being provided in the form of a hairpin with one curved part at the head of the pin (4) and two arms (2, 3) adjoining essentially vertically and on the largest part of the length thereof, the end of the tubes (1) at the pin head (4) being free and the tubes (1) being self-supported at the ends thereof connected to said collectors (5, 6). Figure: 6



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.2898/DEL/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONNECTING DEVICE WITH LOCKING BY THREADED CLAWS AND CONNECTOR COMPRISING SUCH A DEVICE

(51) International classification	:F21Q
(31) Priority Document No	:10 58184
(32) Priority Date	:08/10/2010
(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)STAUBLI FAVERGES

Address of Applicant :PLACE ROBERT STAUBLI, FR-74210 FAVERGES, FRANCE

(72)Name of Inventor :

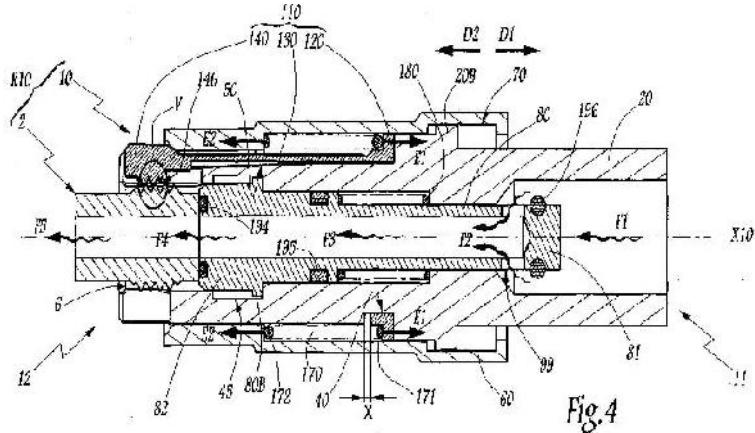
1)ALAIN-CHRISTOPHE TIBERGHIEN

2)CHRISTOPHE DURIEUX

(57) Abstract :

The present invention relates to a connecting device (10) adapted to transmit pressurized gaseous and/or liquid fluids, configured to be coupled with a connecting end (2) provided with an engaging profile (6). The connecting device comprises a tubular body (20) that extends along a longitudinal axis (X10) between a front side (12) facing the connecting end in the coupled configuration and a rear side (11) facing opposite the connecting end, a control member (60) able to slide relative to the tubular body along the longitudinal axis, at least one coupling member (110) positioned between the body and the control member and including an engaging profile (146) complementary to the engaging profile (6) of the connecting end (2), and elastically deformable means (170, 172) able to push the control member (60) back toward (D2) the front side (12) in a maintenance position of each coupling member (110) locked on the connecting end (2). The connecting device (10) also comprises elastically deformable means (170, 171) able to push the coupling member (110) back toward (D1) the rear side (11) in a position where an axial play (X) is defined between each coupling member and the body (20), the axial play (X) allowing an axial movement of each coupling member, relative to the body (20) and against the elastically deformable means (170, 171) acting on the coupling member (110), toward a position locked on the connecting end (2).

Figure 4



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3065/DEL/2010 A

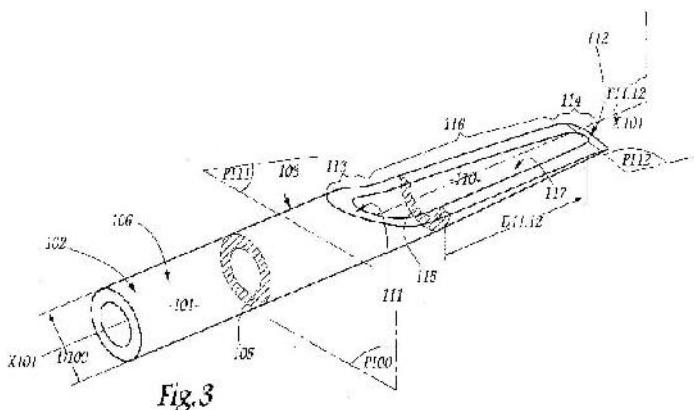
(43) Publication Date : 11/10/2013

(54) Title of the invention : A CONTACT SET

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:09 59478	<b>1)RADIALL</b>
(32) Priority Date	:23/12/2009	Address of Applicant :101 RUE PHILIBERT HOFFMAN, FR -93116 ROSNY SOUS BOIS, FRANCE
(33) Name of priority country	:France	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)CHRISTOPHE MEYNIER</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 contact set for establishing electrical contact between two electric lines, the contact set comprising at least a first terminal member and at least a second terminal member connected to respective ones of the electric lines, each of the terminal members comprising a main portion (101) and at least one end portion (110) extending the main portion (101), each end portion (110) respectively presenting at least a first contact surface (111) and at least a second contact surface (112), which contact surfaces are arranged to exert contact forces respectively on the second contact surface and the first contact surface of the second terminal member. The contact set also includes a rod inserted in the hollow section of one of the terminal members, a distal part of the rod projecting beyond the corresponding end portion (110) so as to provide guidance in translation to the terminal members while they are being put into contact. Figure 3



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.3066/DEL/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SOLAR-POWERED OPERATION OF MEDICAL DEVICES

(51) International classification	:H01M
(31) Priority Document No	:10 2010 004 720.1
(32) Priority Date	:15/01/2010
(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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

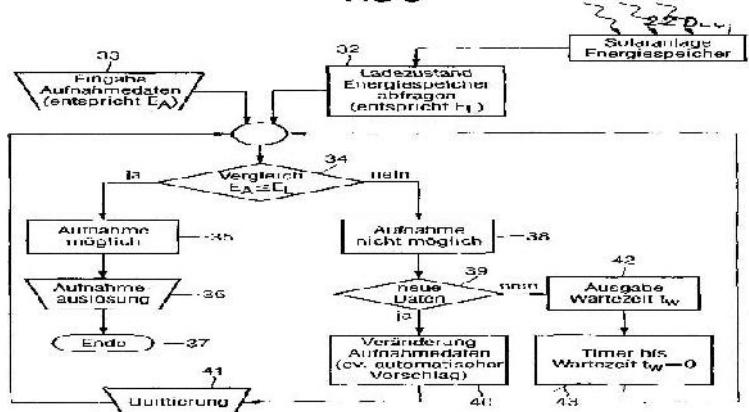
1)RALF SEEMANN

2)PETER TICHY

(57) Abstract :

The invention relates to a medical device (1) with an energy storage unit (2), which is embodied for supplying with solar energy. The device (1) is embodied for an evaluation of a charging state of the storage unit (2) according to a medical workflow and for the output of information related to the result of the evaluation or a signal related to the evaluation. In this way, it is ensured that a supply of energy is guaranteed during the workflow. Fig. 3

FIG 3



No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6000/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HIGH-PRESSURE DEVICE

(51) International classification	:B29C 44/34
(31) Priority Document No	:09001610.6
(32) Priority Date	:05/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/000461
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/089041
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)**BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)Name of Inventor :

1)**THOMAS RUB**

2)**UWE KUENZEL**

---

(57) Abstract :

The invention relates to a high-pressure device for the optionally simultaneous and optionally even application of an expandable reaction mixture on a surface, to a method for producing expandable foams, to a device for producing sandwich composite elements, and to a method for producing expanded sandwich composite elements, In detail, the high-pressure device comprises a mixing head, a distributor head fluidically connected downstream of the mixing head, at least three outlet lines attached to the distributor head, a high-pressure feed line of a component A to the mixing head, a high pressure feed line of a component B to the mixing head, at least one static mixer for mixing an inert gas and the component A, the component B or a mixture of components A and B, at least one high-pressure feed line for the inert gas, which is under increased pressure, and at least one measurement and control unit for setting the desired pressures of the components on the mixing head.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5898/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND METHOD FOR FABRICATING THE SAME

(51) International classification	:G01D
(31) Priority Document No	:2009-118862
(32) Priority Date	:15/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002958
Filing Date	:23/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Panasonic Corporation**

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Osaka 571-8501 JAPAN

(72)**Name of Inventor :**

**1)Yoshiyuki MURAOKA**

**2)Masaya UGAJI**

(57) Abstract :

A nonaqueous electrolyte secondary battery includes a positive electrode (4), a negative electrode (5), and a porous insulating layer (6). The porous insulating layer (6) is provided between the positive electrode (4) and the negative electrode (5). A tensile extension percentage of the positive electrode (4) is 3% or more. In other words, a positive electrode current collector (4A) contains an aluminum particle whose average particle size is 1  $\frac{1}{4}$ m or more. A positive electrode mixture layer (4B) is provided on at least one surface of the positive electrode current collector (4A), and contains a positive electrode active material and an organic material whose melting point or softening point is higher than 200°C.

No. of Pages : 48 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6011/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SUSTAINED RELEASED DELIVERY OF ONE OR MORE AGENTS

(51) International classification	:A61M 37/00
(31) Priority Document No	:61/146,860
(32) Priority Date	:23/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021868
Filing Date	:22/01/2010
(87) International Publication No	:WO 2010/085696
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)QLT INC.

Address of Applicant :887 GREAT NORTHERN WAY,  
SUITE 101, VANCOUVER, BC, V5T 4T5, CANADA

(72)Name of Inventor :

1)BUTUNER, ZUHAL

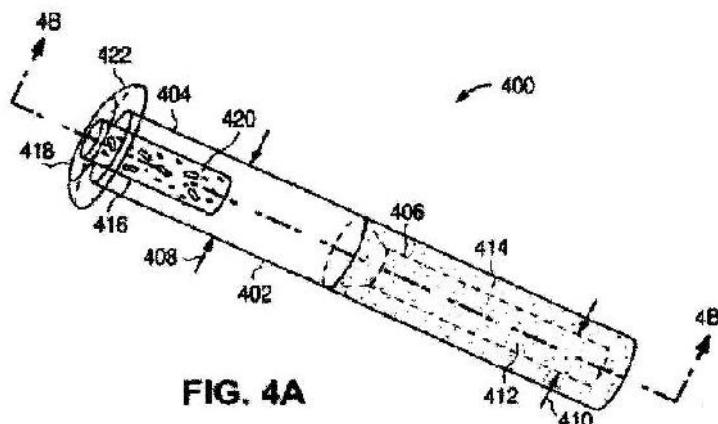
2)UTKHEDE, DEEPANK

3)SIM, SYLVIE

4)WISEMAN, DAVID J.

(57) Abstract :

The lacrimal implant delivery systems and methods described herein provide for controlled release of a therapeutic agent for the treatment of disease, including the treatment of glaucoma, ocular hypertension, or elevated intraocular pressure with latanoprost or other anti- glaucoma agents. Treatment of disease, including glaucoma, ocular hypertension, or elevated intraocular pressure with latanoprost or other anti-glaucoma agent in conjunction with penetration enhancer, such as benzalkonium chloride, and/or artificial tears is also provided. Also provided are implants containing a drug core emplacable in a punctum adjacent to an eye of a patient for controlled release of a therapeutic agent such as latanoprost for the treatment of glaucoma, the drug core containing a polymer such as cross-linked silicone, a therapeutic agent, and an excipient, wherein the excipient can increase the rate of release of the agent from the drug core, or can increase the drug loading in the core without loss of desirable homogeneity of the agent within the core, or can improve retention of the agent in the eye or in tear fluid, or can increase corneal penetration of the agent into the eye.



No. of Pages : 135 No. of Claims : 123

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6012/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : BENZIMIDAZOLE-4-CARBOXAMIDE DERIVATIVES, THEIR PREPARATION METHODS, PHARMACEUTICAL COMPOSITIONS AND THEIR USES

(51) International classification	:C07D 401/12
(31) Priority Document No	:200910045056.8
(32) Priority Date	:08/01/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/000024
Filing Date	:06/01/2010
(87) International Publication No	:WO 2010/078830
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHANGHAI JIAO TONG UNIVERSITY

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(72)Name of Inventor :

1)LUO, XIANJIN

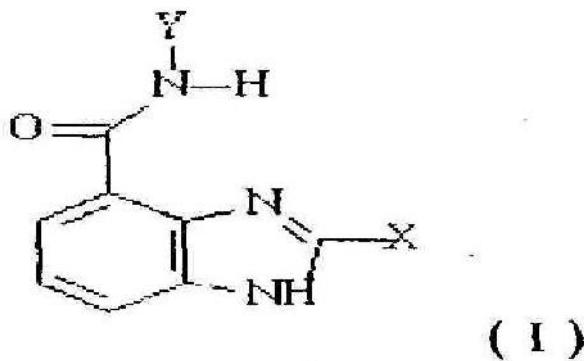
2)XUE, FEI

3)ZHANG, ZHONGLV

4)XIU, NAIYUN

(57) Abstract :

The present invention relates to the benzimidazole-4-carboxamide derivatives, their preparation methods, pharmaceutical compositions and their uses; wherein X represents monosubstituted or bisubstituted or polysubstituted C1-C14 alkoxy, monosubstituted or bisubstituted or polysubstituted Ci-Cu alkyl, monosubstituted or bisubstituted or polysubstituted C2-C14 alkenyl, monosubstituted or bisubstituted or polysubstituted C6-C14 aryl, or monosubstituted or bisubstituted or polysubstituted 5 to 6 membered heterocyclic group, or monosubstituted or bisubstituted or polysubstituted fused ring group containing nitrogen heteroatom; Y represents hydrogen, monosubstituted or bisubstituted or polysubstituted C1-C16 alkyl, monosubstituted or bisubstituted or polysubstituted C6-C12 aryl, or monosubstituted or bisubstituted or polysubstituted 5 to 6 membered heterocyclic group, or monosubstituted or bisubstituted or polysubstituted fused ring group containing nitrogen heteroatom. The derivatives of the present invention have the functions of antiviral medicine.



No. of Pages : 296 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6013/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOUNDS FOR THE TREATMENT OF HEPATITIS C

(51) International classification	:C07D 487/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/033801
Filing Date	:11/02/2009
(87) International Publication No	:WO 2010/093359
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BRISTOL-MYERS SQUIBB COMPANY**

Address of Applicant :ROUTE 206 AND PROVINCE LINE  
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(72)Name of Inventor :

**1)MARTIN SCOTT W.**

**2)BERGSTROM CARL P.**

**3)GENTLES ROBERT G.**

**4)YEUNG KAP-SUN**

---

(57) Abstract :

The invention encompasses selected compounds of formula I as well as compositions and methods of using the compounds. The compounds have activity against hepatitis C virus (HCV) and are useful in treating those infected with HCV.

No. of Pages : 416 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5930/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND MANUFACTURING LINE FOR MANUFACTURING WIND TURBINE BLADES

(51) International classification	:B29C 70/38
(31) Priority Document No	:09154539.2
(32) Priority Date	:06/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/052801
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/100250
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LM GLASFIBER A/S

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

(72)Name of Inventor :

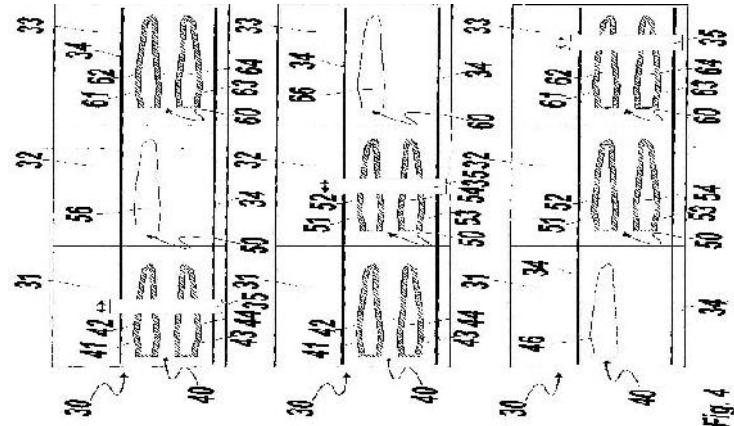
1)DENNIS ANDRE B~RSTING

2)QUINYIN ZHOU

3)JACOBUS JOHANNES VAN DER ZEE

(57) Abstract :

A method and a manufacturing line for manufacturing wind turbine blades having a composite shell structure comprising a matrix material and a fibre reinforcement mate-rial by use of a resin transfer moulding process. The method comprises a manufatur-ing line (30), where wind turbine blades are formed in a number of moulds (40, 50). Each of the number of moulds (40, 50) comprising at least a first mould part (41, 51) comprising a first mould cavity (42, 52). The manufacturing line (30) further comprises a gantry means (35) movable along the manufacturing line (30). The method comprises the following steps: a) arranging fibre reinforcement material in the first mould cavity (42) of a first mould (40) using the gantry means (35), b) moving the gantry means (35) along the manufacturing line (30) to a second mould (50), c) supplying curable matrix material into the first mould cavity (42) of the first mould (40), while substantially simultaneously arranging fibre reinforcement material in the first mould cavity (52) of a second mould (50) using the gantry means (35). The manufacturing line (30) comprises a plurality of moulds (40, 50, 60) for forming wind turbine blades. Each of the number of moulds (40, 50, 60) comprising at least a first mould part (41, 51, 61) comprising a first mould cavity (42, 52, 62). Fig. 3



No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5932/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BASE FOR A BLENDER

(51) International classification	:A47J 43/08
(31) Priority Document No	:61/209,062
(32) Priority Date	:02/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000609
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/101616
(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)VITA-MIX CORPORATION**

Address of Applicant :8615 USHER ROAD, CLEVELAND,  
OHIO 44138, U.S.A

(72)Name of Inventor :

**1)DAVID J. KOLAR**

**2)ROBERT M. ULANSKI**

(57) Abstract :

A base (10) for a food processor housing a motor and including controls (26) for operation of the food processor. The base (10) includes an air intake (28), an air exhaust (36), and a baffle (38), wherein the air exhaust (36) and baffle (38) are formed as a part of the bottom (20) of the food processor base (10) and act to reduce the sound emitted by the food processor. The bottom (20) of the food processor base includes an internal cavity (30) defined partially by a support flange (32) where heated air is exhausted. The air is then forced to change directions before exiting through exhaust ports (36).

No. of Pages : 12 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5933/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER SEAT SWITCH TO PREVENT SIMULTANEOUS ACTIVATION

(51) International classification	:H01H 9/26
(31) Priority Document No	:61/146,130
(32) Priority Date	:21/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000070
Filing Date	:21/01/2010
(87) International Publication No	:WO 2010/083591
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)OMRON DUALTEC AUTOMOTIVE ELECTRONICS INC.

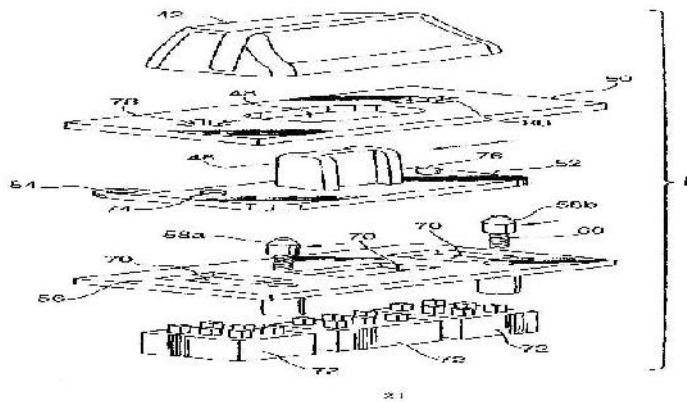
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(72)Name of Inventor :

1)SALAGEAN, ALEXANDRU

(57) Abstract :

A switch actuating assembly for an automobile seat has a switch operating member moveable along a first path to operate a first switch associated with a first function and moveable along a second path to operate a second switch associated with a second function. To inhibit operation of both functions simultaneously a guide controls movement of the switch operating member. Guide members act between the switch operating member and the guide so that movement of the switch operating member along one of the paths upon movement of the switch operating member along the other of the paths from a rest position. An interlock is provided between the switch operating members of a pair of switch assemblies so that only one function of one of the switch assemblies can be operated at a time. FIG.4



No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6052/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ANCHORING DEVICE FOR A TRANSMISSION CABLE

(51) International classification	:F16C 1/26
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/001539
Filing Date	:04/03/2009
(87) International Publication No	:WO 2010/099803
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	
(62) Divisional to Application Number	:NA :NA
Filing Date	

(71)Name of Applicant :

**1)KONGSBERG DRIVELINE SYSTEMS SAS**

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(72)Name of Inventor :

**1)PASCAL JOLY**

(57) Abstract :

The present invention refers to an anchoring device (1) for anchoring a sheath of a transmission cable to a bracket (2), wherein the device comprises a sleeve element (9) having a longitudinal axis (z), wherein the sleeve element (9) is coaxially connectable to the sheath of the transmission cable, the sleeve element (9) having a plurality of resilient tangs (17) extending longitudinally and arranged in a circular configuration about the longitudinal axis (z), the tangs (17) each having a transversal tang surface (23), wherein the transversal tang surfaces (23) define a wall of a circumferential groove (25), the circumferential groove (25) being able to receive a bracket (2) and to secure a sheath of a transmission cable from longitudinal movements relative to a received bracket (2), characterised in that the anchoring device (1) further comprises a ring member (11) being arranged coaxially and being longitudinally movable relative to the sleeve element (9) between a first and a second longitudinal position, wherein the ring member (11) is able to force the tangs (17) to move conceitedly radially inward upon a movement of the ring member (11) from the first to the second longitudinal position such that the diameter of the wall of the circumferential groove (25) is decreased.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5924/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHOTOVOLTAIC MODULE AND METHOD OF MANUFACTURING A PHOTOVOLTAIC MODULE HAVING MULTIPLE SEMICONDUCTOR LAYER STACKS

(51) International classification	:G01K
(31) Priority Document No	:61/185,770
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037815
Filing Date	:08/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**1)COAKLEY Kevin**

**2)HUSSEN Guleid**

**3)STEPHENS Jason**

**4)GIROTRA Kunal**

**5)ROSENTHAL Samuel**

---

(57) Abstract :

A method of manufacturing a photovoltaic module is provided. The method includes providing an electrically insulating substrate and a lower electrode, depositing a lower stack of silicon layers above the lower electrode, and depositing an upper stack of silicon layers above the lower stack. The lower and upper stacks include N-I-P junctions. The lower stack has an energy band gap of at least 1.60 eV while the upper stack has an energy band gap of at least 1.80 eV. The method also includes providing an upper electrode above the upper stack. The lower and upper stacks convert incident light into an electric potential between the upper and lower electrodes with the lower and upper stacks converting different portions of the light into the electric potential based on wavelengths of the light.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5925/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : HYDRAULIC ENERGY CONVERSION UNIT AND METHOD OF CONTROLLING SUCH A UNIT

(51) International classification	:F03B 3/18
(31) Priority Document No	:09 51068
(32) Priority Date	:18/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050268
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/094887
(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)JACQUES BREMOND**

**2)JOEL LOUIS PIERRE MARIN**

**3)FARID MAZZOUI**

**4)DANIELE BAZIN**

---

(57) Abstract :

The invention relates to a unit comprising a hydraulic turbine (1), a duct (5) leading a forced flow of water to the turbine, a duct (8) discharging the outgoing flow from the turbine and vanes (20) for guiding the flow through the discharge duct. Each guide vane (20) is able to rotate about an axis (X22) secant to the wall (84) of the discharge duct. Means (30) are provided for controlling the angular position of the vane (20) about its axis of rotation (X22). Each guide vane (20) can also be retracted into the wall (84) of the discharge duct (8), and means (21) are provided for adjusting the extent to which they are withdrawn into the wall.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6040/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : TRANSDERMAL DELIVERY OF DICLOFENAC, CARBAMAZEPINE AND BENZYDAMINE

(51) International classification

:C07D

(31) Priority Document No

:61/206,399

(32) Priority Date

:30/01/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/000157

Filing Date

:22/01/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

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(72)Name of Inventor :

**1)DORDUNOO Stephen K.**

(57) Abstract :

The invention discloses solutions of diclofenac, carbamazepine and benzydamine, at therapeutically desirable concentrations and the solutions stable for extended periods of time at room temperature.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6041/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DENTAL BONE CONDUCTION HEARING APPLIANCE

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(51) International classification	:A61B
(31) Priority Document No	:12/356,485
(32) Priority Date	:20/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021427
Filing Date	:19/01/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Amir A. ABOLFATHI**

**2)John SPIRIDIGLIOZZI**

(57) Abstract :

An intra-oral hearing appliance includes an actuator to provide bone conduction sound transmission; a transceiver coupled to the actuator to cause the actuator to generate sound; and a first chamber containing the actuator and the transceiver, said first chamber adapted to be coupled to one or more teeth without contacting the occlusal surfaces of the one or more teeth.

No. of Pages : 50 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6042/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHOTOVOLTAIC MODULES AND METHODS OF MANUFACTURING PHOTOVOLTAIC MODULES HAVING MULTIPLE SEMICONDUCTOR LAYER STACKS

(51) International classification	:G01L
(31) Priority Document No	:61/185,770
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037737
Filing Date	:08/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)COAKLEY Kevin**

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**3)STEPHENS Jason**

**4)GIROTRA Kunal**

**5)ROSENTHAL Samuel**

---

(57) Abstract :

A monolithically-integrated photovoltaic module is provided. The module includes an electrically insulating substrate, a lower stack of microcrystalline silicon layers above the substrate, a middle stack of amorphous silicon layers above the lower stack, an upper stack of amorphous silicon layers above the middle stack, and a light transmissive cover layer above the upper stack. An energy band gap of each of the lower, middle and upper stacks differs from one another such that a different spectrum of incident light is absorbed by each of the lower, middle and upper stacks.

No. of Pages : 50 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6043/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHOTOVOLTAIC MODULES AND METHODS FOR MANUFACTURING PHOTOVOLTAIC MODULES HAVING TANDEM SEMICONDUCTOR LAYER STACKS

(51) International classification	:G01L
(31) Priority Document No	:61/185,770
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037786
Filing Date	:08/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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**1)COAKLEY Kevin**

**2)HUSSEN Guleid**

**3)STEPHENS Jason**

**4)GIROTRA Kunal**

**5)ROSENTHAL Samuel**

---

(57) Abstract :

A monolithically-integrated photovoltaic module is provided. The module includes an insulating substrate and a lower electrode above the substrate. The method also includes a lower stack of microcrystalline silicon layers above the lower electrode, an upper stack of amorphous silicon layers above the lower stack, and an upper electrode above the upper stack. The upper and lower stacks of silicon layers have different energy band gaps. The module also includes a built-in bypass diode vertically extending in the upper and lower stacks of silicon layers from the lower electrode to the upper electrode. The built-in bypass diode includes portions of the lower and upper stacks that have a greater crystalline portion than a remainder of the lower and upper stacks.

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5912/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STEROIDAL COMPOSITIONS

(51) International classification	:A61K 9/22
(31) Priority Document No	:12/350,930
(32) Priority Date	:08/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020538
Filing Date	:08/01/2010
(87) International Publication No	:WO 2010/081032
(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)CHIDAMBARAM, NACHIAPPAN**

**3)PATEL, MAHESH V.**

**4)VENKATESHWARAN, SRINIVASAN**

---

(57) Abstract :

Provided herein are steroid containing compositions suitable for providing therapeutically effective amounts of at least one steroid to individuals. Also provided herein are compositions comprising testosterone and/or testosterone derivatives suitable for providing therapeutically effective and safe amounts of testosterone over periods of time. Further provided are methods of treating andro- and/or testosterone deficiency in individuals by administering to the individuals compositions described herein.

No. of Pages : 81 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5913/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TRANSGENIC RICE EVENT 17314 AND METHODS OF USE THEREOF

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(51) International classification	:A01H 5/00
(31) Priority Document No	:61/164,895
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029092
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/117735
(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)DUONG, CAN**

**3)HOI, SIO-WAI**

**4)HUBMEIER, CHRISTOPHER, S.**

**5)QI, YOULIN**

---

(57) Abstract :

The present invention provides a transgenic rice event 17314 and plants, plant cells, seeds, plant parts, and commodity products derived from event 17314. The present invention also provides polynucleotides specific for event 17314 and plants, plant cells, seeds, plant parts, and commodity products comprising polynucleotides specific for event 17314. The invention also provides methods related to event 17314.

No. of Pages : 58 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6047/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : INSIDE REFORMING SUBSTRATE FOR EPITAXIAL GROWTH; CRYSTAL FILM FORMING ELEMENT, DEVICE, AND BULK SUBSTRATE PRODUCED USING THE SAME; AND METHOD FOR PRODUCING THE SAME

(51) International classification	:G01K
(31) Priority Document No	:2009-006293
(32) Priority Date	:15/01/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2009/006633 :04/12/2009
(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

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

**1)AIDA Hideo**

**2)AOTA Natsuko**

**3)HOSHINO Hitoshi**

**(57) Abstract :**

In the field of sapphire substrates used chiefly for epitaxial growth of nitride semiconductor layers, to provide a sapphire substrate of which the shape and/or amount of warping can be controlled efficiently and precisely and of which substrate warping that occurs during layer formation can be suppressed and substrate warping behavior can be minimized, to provide nitride semiconductor layer growth bodies, nitride semiconductor devices, and nitride semiconductor bulk substrates using such substrates, and to provide a method of manufacturing these products.

No. of Pages : 58 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6048/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : HYDROCOMPOSITE WITH IRON AND STEEL SLAG AS STARTING MATERIAL AND METHOD FOR PRODUCING THE SAME

(51) International classification	:C22C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-013406	<b>1)AKITA UNIVERSITY</b>
(32) Priority Date	:23/01/2009	Address of Applicant :1-1 Tegata Gakuen-Machi Akita-shi Akita 010-8502 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/050817	<b>1)Takaaki WAJIMA</b>
Filing Date	:22/01/2010	<b>2)Katsuyasu SUGAWARA</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 novel method capable of producing hydrocomposites through the effective utilization of all of the components contained in iron and steel slag, while reducing the amount of slag waste. The invention also provides the hydrocomposites obtained by the method. The production method comprises: a mixture producing step by adding solid base to an iron and steel slag-containing starting material and mixing them to produce a mixture;

No. of Pages : 73 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6050/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HYDROGEL OF POLYSACCHARIDE DERIVATIVE

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(51) International classification	:A61K 31/715
(31) Priority Document No	:2009-036534
(32) Priority Date	:19/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/066858
Filing Date	:18/09/2009
(87) International Publication No	:WO 2010/095304
(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)MASAYA ITO**

**3)HIROAKI KANEKO**

**4)HITOSHI HIRATA**

**5)MICHIRO YAMAMOTO**

---

(57) Abstract :

A nerve dysfunction repairing material including a hydrogel of a polysaccharide derivative that has, in a 0.5 wt% aqueous solution, a complex modulus of 1 to 10 00 N/m<sup>2</sup> and a loss factor of 0 . 01 to 2 . 0 as measured at an angular velocity of 10 rad/sec using a dynamic viscoelasticity measuring apparatus. The nerve dysfunction repairing material can be a hydrogel injectable through a syringe, has excellent retention in the body, and has a restorative effect on the function of damaged or degenerated nerves.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6051/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MODIFIABLE MAGNET CONFIGURATION FOR ARC VAPORIZATION SOURCES

(51) International classification	:H01J 37/32
(31) Priority Document No	:10 2009 008161.5
(32) Priority Date	:09/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/009319
Filing Date	:30/12/2009
(87) International Publication No	:WO 2010/088947
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)OERLIKON TRADING AG, TRUBBACH**  
Address of Applicant :HAUPTSTRASSE, CH - 9477  
TRUBBACH, SWITZERLAND

(72)Name of Inventor :

**1)SIEGFRIED KRASSNITZER**  
**2)OLIVER GSTOEHL**  
**3)JUERG HAGMAN**

(57) Abstract :

The present invention relates to an arc vaporization source for generating hard surface coatings on tools. The invention comprises an arc-vaporization source, comprising at least one electric solenoid and a permanent magnet arrangement that is displaceable relative to the target surface. The vaporization source can be adjusted to the different requirements of oxide, nitride, or metal coatings. The rate drop during the lifespan of a target to be vaporized can be held constant or adjusted by suitably adjusting the distance of the permanent magnets to the front side of the target. A compromise between the coating roughness and rate can be set.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2735/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : NICKEL - METAL HYDRIDE ACCUMULATOR

(51) International classification	:C07D :10 2010
(31) Priority Document No	046 647.6- 45
(32) Priority Date	:27/09/2010
(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 :

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(72)Name of Inventor :

**1)OHMS, RER. NAT. DETLEF**

**2)SCHADLICH, RER. NAT. GUNTER**

**3)KLEINSCHNITTGER, DIPL.-ING. BORIS**

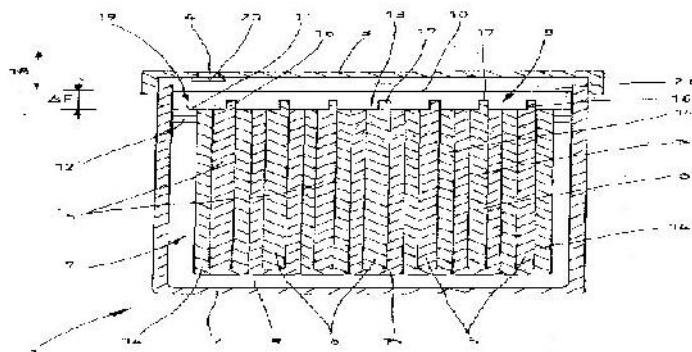
**4)MARKOLF, DIPL.-ING. RAINER**

**5)SCHMELTER, KATJA**

(57) Abstract :

The invention relates to a nickel-metal hydride accumulator for industrial applications, comprising positive nickel hydroxide electrodes and, separated therefrom, negative metal hydride electrodes as well as an alkaline electrolyte surrounding the electrodes. In order to propose a nickel-metal hydride accumulator which is improved compared to the prior art, and in particular is insensitive to influences of temperature, the invention proposes a nickel-metal hydride accumulator which has a thermal arrangement (19) which increases the specific thermal capacity of the accumulator and is formed by an additional electrolyte volume (8), wherein the accumulator comprises a plastics material housing (2) which receives the electrodes (5, 6) and the electrolyte (9) and comprises a pressure relief valve (4) (Fig. 1)

FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6060/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DEVICE AND METHOD FOR THE REGENERATION OF A PARTICLE FILTER ARRANGED IN THE EXHAUST SYSTEM OF AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01N 3/023
(31) Priority Document No	:10 2009 005 733.1
(32) Priority Date	:22/01/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/000084
Filing Date	:11/01/2010
(87) International Publication No	:WO 2010/083944
(61) 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

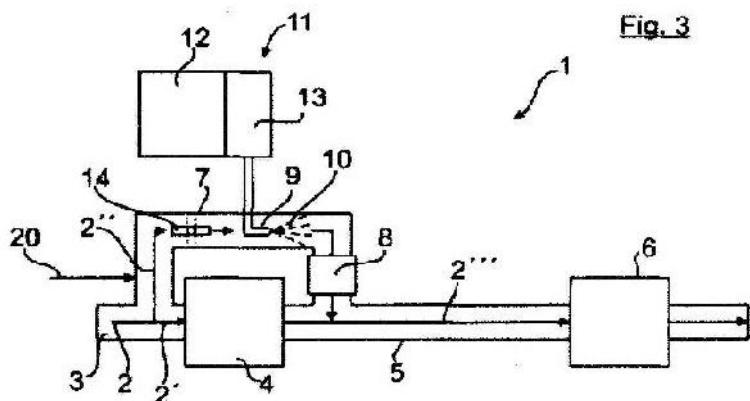
Address of Applicant :DACHAUER STRASSE 667, D - 80995 MUNCHEN, GERMANY

(72)Name of Inventor :

1)DORING, ANDREAS

(57) Abstract :

The invention relates to a device and a method for regenerating a particulate filter arranged in the exhaust section of an internal combustion engine, having at least one NO oxidation catalytic converter, which is arranged upstream of the particulate filter, for the oxidation of NO in particular to form N02. According to the invention, at least one heating device (8; 19) is also provided upstream of the particulate filter (6), by means of which heating device (8; 19) an exhaust-gas flow (2') which is conducted to the particulate filter (6) can be heated to a defined temperature in accordance with defined regeneration parameters, in particular in accordance with a degree of loading of the particulate filter (6) and/or in accordance with an efficiency of an N02-based regeneration of the particulate filter (6) by means of an N02 quantity formed in the at least one NO oxidation catalytic converter (4).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6062/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :09/08/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ADJUSTING THE FLOW RATE OF CHARGE MATERIAL IN A CHARGING PROCESS OF A SHAFT FURNACE

(51) International classification	:C21B 7/20
(31) Priority Document No	:91 526
(32) Priority Date	:11/02/2009
(33) Name of priority country	:Luxembourg
(86) International Application No	:PCT/EP2010/051733
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/092122
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PAUL WURTH S.A

Address of Applicant :32, RUE D'ALSACE, L-1122  
LUXEMBOURG,

(72)Name of Inventor :

1)TOCKERT, PAUL

2)BREDEN, EMILE

3)LONARDI, EMILE

4)MEYER, DAMIEN

(57) Abstract :

In a charging process of a shaft furnace, in particular of a blast furnace, batches of charge material are typically discharged in cyclical sequence into the furnace from a top hopper using a flow control valve. A method and system is proposed for adjusting the flow rate of charge material in such a process. According to the invention, a respective set of plural valve settings is stored for each batch, each valve setting of a set being associated to a different stage in the discharge of the batch. The method and system are configured to discharge a given batch so that, at each stage in the discharge of the given batch, the flow control valve operates at a constant valve opening according to the valve setting associated to that stage and so that an actual average flow rate at which charge material is discharged is determined for that stage. Further according to the invention, the method and system are configured to correct the plural valve settings offline and in function of the actual average flow rate determined for the associated stage.

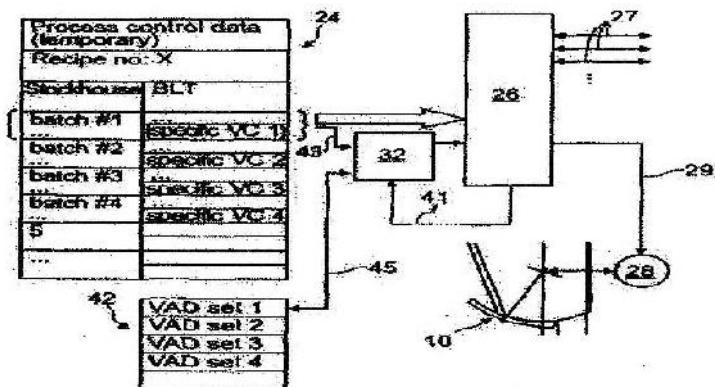


Fig. 7

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6064/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL HERBICIDES RESISTANCE GENE

(51) International classification	:A01H 5/00
(31) Priority Document No	:61/150,356
(32) Priority Date	:06/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023485
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/091353
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION**

Address of Applicant :UT CONFERENCE CENTER, SUITE 211, 600 HENLEY STREET, KNOXVILLE, TN 37996-4122, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)CHEN, FENG**

**2)ZHAO, NAN**

**3)ARMEL, GREGORY, RUSSELL**

---

(57) Abstract :

The subject invention provides novel polynucleotides and polypeptides encoding a methyltransferase. The subject invention provides novel plants that express the methyltrasferase disclosed herein and are resistant to auxin-based herbicides. The subject invention also provides transgenic plants have been transformed with one or more other herbicide resistance genes such that the plants are resistant to the application of auxin-based herbicides and one or more other herbicides.

No. of Pages : 51 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2369/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MONITORING SYSTEM FOR USE IN MONITORING THE OPERATION OF MACHINERY AND METHOD OF RETROFITTING MONITORING SYSTEM

(51) International classification

:B62M

(31) Priority Document No

:12/875,543

(32) Priority Date

:03/09/2010

(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)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)SHADEL BRYAN**

**2)TART MICHAEL ALAN**

**3)SUMMERS SEAN KELLY**

**4)TURNBEAUGH LYSLE ROLLAN**

**5)TRAN HAN**

**6)COHEN MITCHELL DEAN**

**7)CLEMENS STEVEN THOMAS**

---

(57) Abstract :

A housing (108) for use in a monitoring system (100) that includes at least one monitoring module (144) is provided. The housing includes a shell (204) defining an interior cavity (114), at least one opening (136) is defined in the shell, the at least one opening is in flow communication with the interior cavity, and at least one gasket (304) coupled to the shell about an outer perimeter (306) of the at least one opening (218), the at least one gasket facilitates insulating the interior cavity from electromagnetic radiation when the at least one monitoring module is positioned within the housing.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.2759/DEL/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : P5 EMULSION COMPOSITION FOR UNDERGROUND COALMINES AND OTHER EXCAVATION WORKS AND A PROCESS FOR PREPARING THE SAID EXPLOSIVE

(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA.

(72)Name of Inventor :

**1)BRAJ MOHAN PAT PINGUA  
2)NABIULLAH**

(57) Abstract :

This synergistic composition based on High strength P-5 emulsion explosive detonates in the diameter of 32 mm and 37 mm diameter. The velocity of detonation of the synergistic composition based on P-5 emulsion explosive was in the range of 3286- 3548 m/s. The explosion temperature of the synergistic composition was in the range of 1920 to 1990 degree Kelvin and its explosion energy 1650 to 1670 kJ/kg. The strength of the composition was 37 to 40 % of BG. The flame length and its duration play an important role in the ignition of methane air mixture and coal dust. Shorter the duration of detonation flame less chances of ignition in the methane air mixture and coal dust. The flame length and flame duration measured in P-5 compositions were in the range of 0.10 - 0.12 m and 9 - 12 ms respectively. This composition is safe in methane air mixture and coal dust. The P-5 explosive composition is useful for blasting in highly gassy underground coalmines and other excavation works is reliable cap sensitive in diameters 32 mm and 37 mm cartridges and can be detonated with No. 6 detonator. This emulsion based P-5 explosive composition of the present invention has high velocity of detonation and explosion energy and detonation pressure which does not damages the adjoining rocks and this product is most suitable for underground coalmines, construction of roads and other excavation works. The manufacturing process of this invention is safe and non-hazardous.

No. of Pages : 26 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.2896/DEL/2011 A

(43) Publication Date : 11/10/2013

---

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

(51) International classification	:F21Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-232909	<b>1)SONY CORPORATION</b> Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:15/10/2010	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:Japan	<b>1)TETSUO IKEDA</b> <b>2)YASUYUKI KOGA</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 apparatus is provided for determining a lyric importance level, comprising a memory and a processor executing instructions stored in the memory. The processor executes instructions stored in the memory to acquire lyric information, the lyric information identifying: lyrics of a song; and lyric location information indicating locations of the lyrics within the song. The processor further executes instructions stored in the memory to acquire section information, the section information identifying: sections of the song; section importance levels corresponding to the sections; and section location information indicating locations of the sections within the song. The processor still further executes instructions stored in the memory to identify, based on the lyric location information and the section location information, one or more sections corresponding to a subset of the lyrics; and determine, based on the section importance levels, a lyric importance level of the subset.

No. of Pages : 62 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6088/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SENDING MESSAGES OVER TELECOMMUNICATION NETWORK

(51) International classification	:H04M 3/42
(31) Priority Document No	:P200900388
(32) Priority Date	:11/02/2009
(33) Name of priority country	:Spain
(86) International Application No	:PCT/ES2010/070074
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/092220
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELECONLINE NETWORKS, SL

Address of Applicant :SECTOR EMBARCACIONES, 24, E-28760 TRES CANTOS - MADRID (ES). Spain

(72)Name of Inventor :

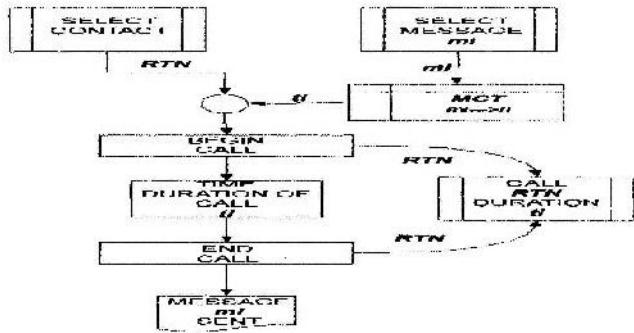
1)GONZLEZ ESCRIBANO, MIGUEL ANGEL

(57) Abstract :

The object of the present invention is to provide an economic alternative to the current systems for sending messages, both text messages (SMS) and multimedia messages (MMS), between telecommunication network users. For this purpose, use is made of the advantages of call signaling protocols, specifically the duration of the ringing tone in an unanswered call (commonly called missed call) for sending messages which are preceded and known by the system users. The method and system for sending messages between telephony terminals are designed such that they are used by the user in a very similar manner to the sending/receiving SMS and MMS messages, providing a simple and economic method (without associated direct cost) for sending messages between telephony users.

FIG. 7

BSEND FMS MESSAGE



No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5978/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PREVENTING AND TREATING HYPERPERMEABILITY

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(51) International classification	:A61K 38/19
(31) Priority Document No	:A 359/2009
(32) Priority Date	:05/03/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2010/000056
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/099556
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)APEPTICO FORSCHUNG UND ENTWICKLUNG GMBH**

Address of Applicant :MARIAHILFERSTRAE 136, A -1150 WIEN, AUSTRIA

(72)**Name of Inventor :**

**1)FISCHER, BERNHARD**

**2)LUCAS, RUDOLF**

**3)LUCAS, RUDOLF**

(57) Abstract :

A peptide is described, which consists of 7-17 adjacent amino acids and comprises the hexamer TX EX X E, wherein X , X and X can be any natural or non-natural amino acid, wherein the pep-tide has no TNF receptor binding activity and is cyclized, for the prevention and treatment of hyperpermeability of epithelial cells and endothelial cells.

No. of Pages : 46 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5980/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SEAT STRUCTURES AND PROCESSES TO CREATE SEAT STRUCTURES

(51) International classification	:B60N 2/68
(31) Priority Document No	:61/202,141
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022401
Filing Date	:28/01/2010
(87) International Publication No	:WO 2010/088384
(61) 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 CONTROLS TECHNOLOGY COMPANY**  
Address of Applicant :915 EAST 32ND STREET,  
HOLLAND, MI 49423, U.S.A.

**(72)Name of Inventor :**

- 1)ZEKAVICA, ORNELA**
- 2)SAKKINEN, DANIEL, J.**
- 3)WILLIAMSON, MARK, S.**
- 4)KMEID, ANTOINE**
- 5)BALIN, ALEXANDER, I.**
- 6)ROSZCZENKO, PIOTR**
- 7)POULOS, YANNIS**
- 8)LAMONT, EDWARD, J.**

**(57) Abstract :**

A seat structure may be installed in a seat assembly. The seat structure may comprise plurality of tube members forming a substantially closed structure. Some of the tube members have a substantially uniform cross-sectional area along a substantial portion of its respective longitudinal length. At least a first set of the tube members has at least one of a different dimensional property and a different material property from a second set of the tube members such that mechanical properties of each tube member is configured for stress requirements for a respective region that the respective tube member occupies. The plurality of tube members are joined such that the plurality of tube members are in fixed positions relative to each other.

No. of Pages : 41 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6100/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FILLING CONTROL DEVICE FOR A HYDRODYNAMIC MACHINE

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(51) International classification	:H02G
(31) Priority Document No	:10 2010 007 149.8
(32) Priority Date	:05/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/000455
Filing Date	:01/02/2011
(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)VOITH PATENT GMBH**

Address of Applicant :ST. POLTENER STR. 43, 89522  
HEIDENHEIM GERMANY

(72)**Name of Inventor :**

**1)LAUKEMANN, DIETER**

(57) Abstract :

The invention concerns a filling control device of a hydrodynamic machine having two inlets and two outlets as well as two valve bodies. The two valve bodies can be shifted by means of a piston rod, to control the flow of working medium in the inlets and outlets as an open or closed-loop. The invention is characterised in that that the first valve body is connected elastically on the piston rod and that a stationary stop is provided for the first valve body, against which the first valve body strikes when the second valve body is further shifted by means of the piston rod.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6103/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : USE OF ALUMINUM PHOSPHATE, POLYPHOSPHATE AND METAPHOSPHATE PARTICLES IN PAPER COATING APPLICATIONS

(51) International classification	:D21H 19/38
(31) Priority Document No	:61/151,427
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/023753 :10/02/2010
(87) International Publication No	:WO 2010/093693
(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)BUNGE FERTILIZANTES S.A.**

Address of Applicant :AV. MARIA COELHO AGUIAR, 215,  
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**2)UNIVERSIDADE ESTADUAL DE CHAMPIÑAS**

(72)Name of Inventor :

**1)GALEMBECK, FERNANDO**

**2)KLASS, CHARLES P.**

(57) Abstract :

Provided herein are coating compositions for paper comprising aluminum phosphate, aluminum metaphosphate, aluminum orthophosphate and/or aluminum polyphosphate pigments. Methods of making and using the compositions are described.

No. of Pages : 86 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6104/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOSITION COMPRISING N2 - (1 - OXOHEXADECYL) - LYSYL - VALYL - LYSINE FOR TREATING ROSACEA AND ITS SYMPTOMS

(51) International classification	:A61K 38/06
(31) Priority Document No	:09153270.5
(32) Priority Date	:20/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/000943
Filing Date	:16/02/2010
(87) International Publication No	:WO 2010/094452
(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)GEMPLER, MATHIAS**

**2)GRAEUB, REMO**

**3)HOCHEGGER, LEO**

**4)IMFELD, DOMINIK**

**5)MOSER, HEIDI**

---

(57) Abstract :

The present invention relates to a composition comprising N2-(1-oxohexadecyl)-lysyl-valyl- lysine or a salt thereof, spent grain wax and/ or conjugated linoleic acid. The compositions are particularly useful for the treatment or co-treatment of rosacea and its symptoms. Furthermore the invention relates to a stable W/O emulsion pre-mix comprising the composition according to the invention.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6105/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SOLAR BATTERY MODULE

(51) International classification	:G01K
(31) Priority Document No	:2009-033843
(32) Priority Date	:17/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052320
Filing Date	:17/02/2010
(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 :

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Tokyo 100-0004 JAPAN

(72)Name of Inventor :

**1)Takashi MURAKAMI**

**2)Hiroyuki OTSUKA**

**3)Takenori WATABE**

**4)Naoki ISHIKAWA**

(57) Abstract :

The present invention is directed to mutations in the DGAT1 gene that produce an advantageous milk tissue and/or growth rate profile in animals carrying the mutations. More specifically the invention relates to the identification of a mutation with exon (16) of the DGAT1 gene and the association of the mutation with the fat composition of milk and tissue and/or milk volume.

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5985/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHODS FOR TREATING ACUTE MYOCARDIAL INFARCTIONS AND ASSOCIATED DISORDERS

(51) International classification	:A61P 9/10
(31) Priority Document No	:61/147,340
(32) Priority Date	:26/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022112
Filing Date	:26/01/2010
(87) International Publication No	:WO 2010/085805
(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 REGENTS OF THE UNIVERSITY OF  
CALIFORNIA

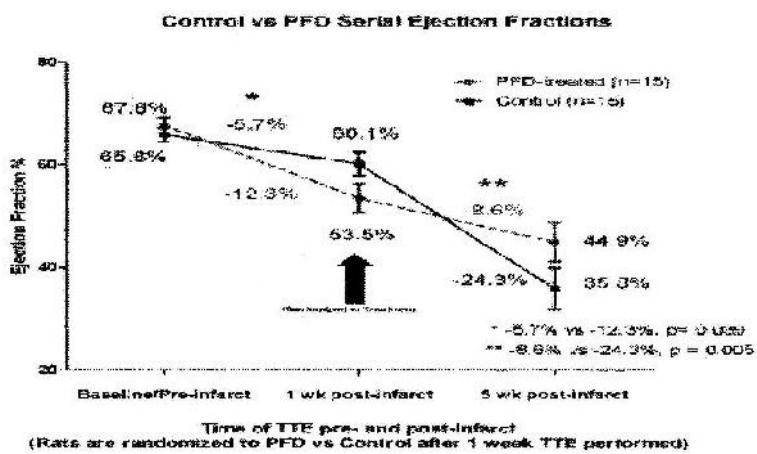
(72)Name of Inventor :

1)OLGIN, JEFF

2)KOSSEN, KARL

(57) Abstract :

The invention relates to methods of treating patients who have suffered an acute myocardial infarction (AMI) with a therapeutic that has anti-fibrotic effects, for example, pirfenidone and analogs thereof Control vs PFO Serial Ejection Fractions Time of TTE pre and post-infarct (Rats are randomized to PFD vs control after 1 week TTE performed) FIGURE 1



No. of Pages : 117 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5986/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR SELECTING RECONFIGURABLE ANTENNAS IN MIMO SYSTEMS

(51) International classification	:H04B 7/00
(31) Priority Document No	:61/147,365
(32) Priority Date	:26/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021917
Filing Date	:25/01/2010
(87) International Publication No	:WO 2010/085722
(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 :3141 CHESTNUT STREET,  
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(72)Name of Inventor :

1)PIAZZA, DANIELE

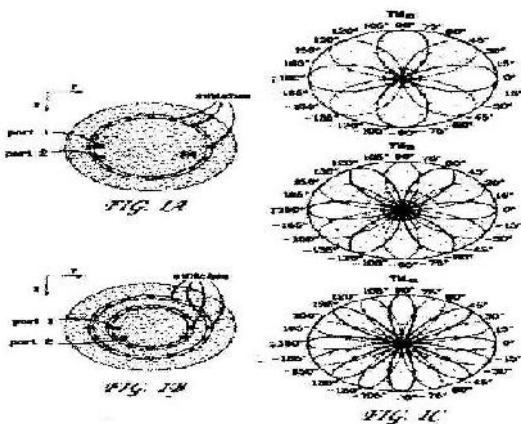
2)KOUNTOURIOTIS, JOHN

3)D'AMICO, MICHELE

4)DANDEKAR, KAPIL, R.

(57) Abstract :

A method allows reconfigurable multi-element antennas to select the antenna configuration in MIMO, SIMO and MISO communication system. This selection scheme uses spatial correlation, channel reciprocal condition number, delay spread and average Signal to Noise Ratio (SNR) information to select the antenna radiation pattern at the receiver. Using this approach, it is possible to achieve capacity gains in a multi-element reconfigurable antenna system without modifying the data frame of a conventional wireless communication system. The capacity gain achievable with this configuration selection approach is calculated through numerical simulations using reconfigurable circular patch antennas at the receiver of a MIMO system that employs minimum mean square error receivers for channel estimation. Channel capacity and Bit Error Rate (BER) results show the improvement offered relative to a conventional antenna selection technique for reconfigurable MIMO systems.



No. of Pages : 47 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5987/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER TRAIN CONTROLLER AND ASSOCIATED MEMORY DEVICE

(51) International classification	:F16H 59/00
(31) Priority Document No	:61/144,179
(32) Priority Date	:13/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020361
Filing Date	:07/01/2010
(87) International Publication No	:WO 2010/083090
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ALLISON TRANSMISSION, INC.

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(72)Name of Inventor :

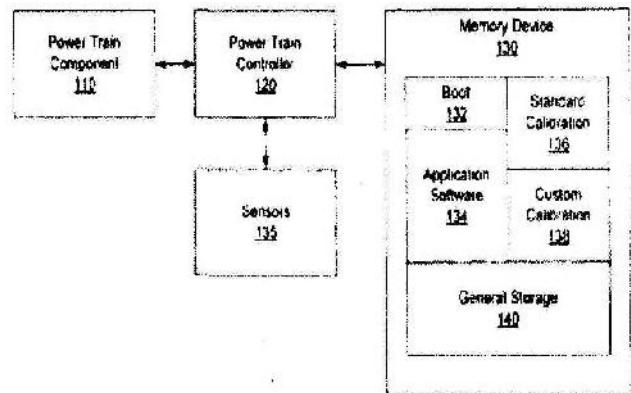
1)LITSCHER, CHRISTIAN, M.

2)RUES, JEANNE, O.

3)HOWENSTEIN, MICHAEL, J.

(57) Abstract :

A power train subsystem for a motorized vehicle and methods of programming such power train controllers of the power train subsystem are disclosed. The power train subsystem may include a power train component, a controller, and a memory device. The controller may be coupled to the power train component to control operation of the power train component. The memory device may include boot code, application software, standard calibration parameters, and custom calibration parameters. The boot code provides an environment upon which the application software executes per the standard calibration parameters and custom calibration parameters. The standard calibration provides parameters which configure the controller for a range of vehicular applications. The custom calibration parameters provide parameters which configure the controller for a particular vehicular application in the range of vehicular applications.



No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5988/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MOLECULAR PROFILING OF TUMORS

(51) International classification	:G01N 33/574
(31) Priority Document No	:61/151,758
(32) Priority Date	:11/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000407
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/093465
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)LOESCH, DAVID, M.

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5)WRIGHT, ALAN

6)MCGINNIS, MATTHEW, J.

7)BENDER, RYAN, P.

8)PAWLOWSKI, TRACI

9)KUSLICH, CHRISTINE

---

(57) Abstract :

Provided herein are methods and systems of molecular profiling of diseases, such as cancer. In some embodiments, the molecular profiling can be used to identify treatments for a disease, such as treatments that were not initially identified as a treatment for the disease or not expected to be a treatment for a particular disease.

No. of Pages : 328 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.6140/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : COMPRESSOR IN PARTICULAR A RADIAL PISTON COMPRESSOR FOR CARBON DIOXIDE AS A REFRIGERANT

(51) International classification	:H01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 006 040.5	<b>1)BOCK K,LTEMASCHINEN GMBH</b>
(32) Priority Date	:24/01/2009	Address of Applicant :Benzstrasse 7 72636 Frickenhausen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/050737	<b>2)OBRIST ENGINEERING GMBH</b>
Filing Date	:22/01/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Frank OBRIST</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Martin GRAZ</b>
Filing Date	:NA	<b>3)Stefan KR-SS</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a compressor (10) in particular a radial piston compressor further in particular a compressor (10) for CO<sub>2</sub> as a refrigerant comprising a compressor unit (12) for compressing refrigerant and a drive shaft (22) for driving the compressor unit (12) and a motor chamber (18) bounded substantially by a motor housing (16) wherein the motor chamber (18) has a fluid connection to a suction gas side in particular a suction gas chamber (26) of the compressor (10) by means of a fluid connection (45) formed at least partially in the drive shaft (22) wherein at least one device (60 62 64) for accumulating oil is arranged in the fluid connection (45).

No. of Pages : 21 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6001/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR INSTALLING AN OPTICAL FIBRE UNIT IN A TUBE

(51) International classification	:G02B 6/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/053187
Filing Date	:18/03/2009
(87) International Publication No	:WO 2010/105674
(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 :

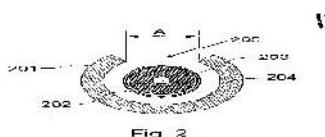
1)FABIO ABBIATI

2)IAN JAMES GRIFFITHS

3)ARNAUD DISSEZ

(57) Abstract :

Method for installing an optical fibre unit in a protective tube housing a pulling rope comprising the steps of: - providing a mini tube having a longitudinal opening from end to end; - transversally inserting a portion of the pulling rope in said longitudinal opening; - contacting the pulling rope and optical fibre unit over a predetermined length; - slipping the mini tube over at least a portion of the contacting length of the pulling rope and optical fibre unit; - crimping the mini tube around the pulling rope and optical fibre unit; - drawing the optical fibre unit through the protective tube by pulling the pulling rope. (Fig. 2)



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6005/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOSITIONS FOR ENHANCING NAIL GROWTH

(51) International classification	:A61K 38/13
(31) Priority Document No	:61/143,317
(32) Priority Date	:08/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020378
Filing Date	:07/01/2010
(87) International Publication No	:WO 2010/080915
(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)DEBBIE MULLINS**

**2)CONNIE STUCKER**

**3)SCOTT M. WHITCUP**

**4)RHETT M. SCHIFFMAN**

**5)JOHN G. WALT**

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(57) Abstract :

The present invention is directed to compositions and methods for stimulating the growth of nails and cuticles in a mammal, including humans. The compositions may be administered topically to the nail bed, nail matrix and cuticle in an amount effective to increase nail growth and thicken, strengthen and smooth the nail. The composition is also effective in strengthening and growing nails, including fingernails and toenails.

No. of Pages : 111 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6006/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTROMAGNETIC RELAY ASSEMBLY

(51) International classification	:H01H 51/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/000699
Filing Date	:04/02/2009
(87) International Publication No	:WO 2010/090619
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CLODI L.L.C

Address of Applicant :429 E. COTATI AVENUE, COTATI, CA 94931, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)PHILIPP GRUNER

(57) Abstract :

An electromagnetic relay enables current to pass through switch termini and comprises a coil assembly, a rotor or bridge assembly, and a switch assembly. The coil assembly comprises a coil and a C-shaped core. The coil is wound round a coil axis extending through the core. The core comprises core termini parallel to the coil axis. The bridge assembly comprises a bridge and an actuator. The bridge comprises medial, lateral, and transverse field pathways. The actuator extends laterally from the lateral field pathway. The core termini are coplanar with the axis of rotation and received intermediate the medial and lateral field pathways. The actuator is cooperable with the switch assembly. The coil creates a magnetic field directable through the bridge assembly via the core termini for imparting bridge rotation about the axis of rotation. The bridge rotation displaces the actuator for opening and closing the switch assembly.

No. of Pages : 53 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6007/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTROMAGNETIC RELAY ASSEMBLY

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(51) International classification	:H02L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/000698
Filing Date	:04/02/2009
(87) International Publication No	:WO 2010/090618
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)CLODI L.L.C

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(72)Name of Inventor :

1)PHILIPP GRUNER

(57) Abstract :

An electromagnetic relay enables current to pass through switch termini and comprises a coil assembly, a rotor or bridge assembly, and a switch assembly. The coil assembly comprises a coil and a C-shaped core. The coil is wound round a coil axis extending through the core. The core comprises core termini parallel to the coil axis. The bridge assembly comprises a bridge and an actuator. The bridge comprises medial, lateral, and transverse field pathways. The actuator extends laterally from the lateral field pathway. The core termini are coplanar with the axis of rotation and receive intermediate the medial and lateral field pathways. The actuator is cooperable with the switch assembly. The coil creates a magnetic field directable through the bridge assembly via the core termini for imparting bridge rotation about the axis of rotation. The bridge rotation displaces the actuator for opening and closing the switch assembly.

No. of Pages : 42 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6149/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AQUEOUS COATING SYSTEMS ON THE BASIS OF PHYSICALLY DRYING URETHANE ACRYLATES

(51) International classification	:C08G 18/08	(71) <b>Name of Applicant :</b> <b>1)BAYER MATERIALSCIENCE AG</b> Address of Applicant :51368 LEVERKUSEN, GERMANY
(31) Priority Document No	:10 2009 008	
(32) Priority Date	:13/02/2009	
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/000567	<b>1)STEFAN SOMMER</b>
Filing Date	:30/01/2010	<b>2)HARALD BLUM</b>
(87) International Publication No	:WO 2010/091797	<b>3)JURGEN LIPPEMEIER</b>
(61) Patent of Addition to Application Number	:NA	<b>4)MIGUEL FERNANDEZ</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to radiation curable coating systems on the basis of aqueous polyurethane dispersions, to a method for the production thereof, to the use of the coating systems as paints and/or adhesives, and to objects and substrates provided with said paints and/or adhesives.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5886/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LYOPHILISED DABIGATRAN

(51) International classification	:G01N 33/94
(31) Priority Document No	:09151865.4
(32) Priority Date	:02/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/050925
Filing Date	:27/01/2010
(87) International Publication No	:WO 2010/086329
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

Address of Applicant :BINGER STR. 173, 55216  
INGELHEIM AM RHEIN, GERMANY

(72)Name of Inventor :

**1)JOACHIM STANGIER**

(57) Abstract :

The invention relates to a lyophilised form of dabigatran of formula I its use as a calibrator in the assays for the determination of pharmacodynamic effects of dabigatran etexilate as well as such assays per se.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5887/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TWO-LIQUID TYPE URETHANE PAINT COMPOSITION

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(51) International classification	:C09D 175/04
(31) Priority Document No	:2009/032896
(32) Priority Date	:16/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/IB2010/000087
Filing Date	:19/01/2010
(87) International Publication No	:WO 2010/086701
(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)EISHI TSUKAMOTO**

**2)TATSUO HAYAKAWA**

**3)MAKOTO IUCHI**

**4)YASUFUMI HONDA**

---

(57) Abstract :

To provide a two-liquid type urethane paint composition with which the use-time (pot-life) is extended and with which good painting operability can be obtained. [Means of Resolution] A two-liquid type urethane paint composition which comprises: a main agent including, per 100 parts by mass as solid fraction of hydroxyl group-containing resin (A) , from 2 to 35 parts by mass as effective component of hydrolyzable ester compound (B) and from 2 to 10 parts by mass of alcohol-based solvent (C) ; and a curing agent including a polyisocyanate compound (D) , and the hydroxyl groups of the hydroxyl group-containing resin (A) and the functional groups of the polyisocyanate compound (D) are mixed in proportions of from 0.5 to 1.5 as the mol ratio NCO/OH.

No. of Pages : 23 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5889/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ISOTHIAZOLYLOXYPHENYL AMIDINES AND USE THEREOF AS FUNGICIDES

(51) International classification	:C07D 275/04
(31) Priority Document No	:09151856.3
(32) Priority Date	:02/02/2009
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2010/000353 :21/01/2010
(87) International Publication No	:WO 2010/086118
(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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MONHEIM GERMANY

(72)Name of Inventor :

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2)KERSTIN ILG

3)JORG NICO GREUL

4)PIERRE CRISTAU

5)SEBASTIAN HOFFMANN

6)THOMAS SEITZ

7)OSWALD ORT

8)ULRICH HEINEMANN

9)JURGEN BENTING

10)PETER DAHMEN

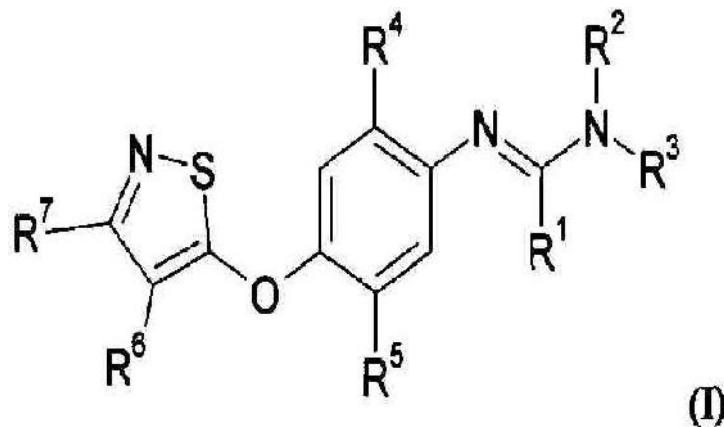
11)ULRIKE WACHENDORFF - NEUMANN

12)MARCEL CALLEJA

13)HIROYUKI HADANO

(57) Abstract :

The present invention relates to isothiazolyloxyphenylamidines of the general formula (I), to a process for their preparation, to the use of the amidines according to the invention for controlling unwanted microorganisms, and also to a composition for this purpose which comprises the isothiazolyloxyphenylamidines according to the invention. Furthermore, the invention relates to a method for controlling unwanted microorganisms by applying the compounds according to the invention to the microorganisms and/or in their habitat.



No. of Pages : 172 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6016/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PYRIMIDINE DERIVATIVES AND THEIR USE AS HERBICIDES

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(51) International classification	:C07D 239/34	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0902474.6	<b>1)SYNGENTA LIMITED</b>
(32) Priority Date	:13/02/2009	Address of Applicant :EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH UNITED KINGDOM
(33) Name of priority country	:U.K.	<b>2)SYNGENTA PARTICIPATIONS AG</b>
(86) International Application No	:PCT/GB2010/000242	(72) <b>Name of Inventor :</b>
Filing Date	:11/02/2010	<b>1)WHITTINGHAM WILLIAM GUY</b>
(87) International Publication No	:WO 2010/092339	<b>2)WINN CAROLINE LOUISE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GLITHRO HARRY</b>
Filing Date	:NA	<b>4)BOUSSEMGHOUANE MOHAMED ABDELOUAHAB</b>
(62) Divisional to Application Number	:NA	<b>5)ASPINALL MARY BERNADETTE</b>
Filing Date	:NA	

---

(57) Abstract :

The present invention relates to substituted pyrimidine derivatives, as well as N- oxides thereof and agriculturally acceptable salts thereof, and their use to control undesired plant growth, in particular in crops of useful plants. The invention extends to herbicidal compositions comprising such compounds, N-oxides and/or salts as well as mixtures of the same with one or more further active ingredient (such as, for example, an herbicide, fungicide, insecticide and/or plant growth regulator) and/or a safener. The invention further relates to intermediates useful in the preparation of such compounds, and to processes for their preparation.

No. of Pages : 147 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6161/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : 'A HANDHELD DIAGNOSTIC TEST DEVICE AND METHOD FOR USE WITH AN ELECTRONIC DEVICE AND A TEST CARTRIDGE IN A RAPID DIAGNOSTIC TEST'

(51) International classification	:G01N 37/00
(31) Priority Document No	:61/144,283
(32) Priority Date	:31/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000033
Filing Date	:13/01/2010
(87) International Publication No	:WO 2010/081219
(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)XIANG, QUING**

**2)OSBORNE, JILL LINDSEY**

**3)DAVEY, RYAN**

**4)DUPOTEAU, FRANCOIS**

---

(57) Abstract :

A handheld diagnostic test device includes a port to removably receive a test cartridge, an element connected with an electronic device, and sensors for detection of test data from a biological or environment sample after reaction with reagents onboard the cartridge. The test device also includes memory storing algorithms for upload to the electronic device to enable a processor thereof: to await elapse of a pre-determined time following reaction of the sample with the reagents; to thereafter instruct the sensors to detect the test data; to generate presentation data based on the test data; and to present the presentation data from a presentation element of the electronic device to a user. A related method includes a connecting step, an uploading step, a presentation step, a cartridge inserting step, a waiting step, a sensing step, and an electronic device processing step.

No. of Pages : 71 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6028/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE AND USE FOR STORING AND SUPPLYING MEDICAMENT WAFERS

(51) International classification	:A61J 1/03
(31) Priority Document No	:10 2009 008 027.9
(32) Priority Date	:06/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/000646
Filing Date	:03/02/2010
(87) International Publication No	:WO 2010/089090
(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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BERLIN, GERMANY

(72)Name of Inventor :

**1)KATHRIN REICHARDT**

**2)SVEN FILLER**

**3)UWE KARLA**

---

(57) Abstract :

The invention relates to a device for storage and provision of medicament wafers 2 serving preferably for contraception or hormone replacement therapy, said device comprising a stack 1 of medicament pockets 4 for the storage and provision of the medicament wafers 2, wherein first medicament pocket areas 10 have openings 8 aligned with one another, and at least one connecting element 9 that is guided through the openings 8 and that connects the medicament pockets 4 to one another and arranges them movably relative to one another.

No. of Pages : 56 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6030/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR THE PRODUCTION OF A STACK OF MEDICAMENT POUCHES USED FOR STORING AND SUPPLYING MEDICAMENT WAFERS, MEDICAMENT POUCH TEMPLATE FOR PRODUCING SAID STACK, AND USE OF THE MEDICAMENT POUCH TEMPLATE

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(51) International classification	:A61J 1/03
(31) Priority Document No	:10 2009 008 026.0
(32) Priority Date	:06/02/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/000647 :03/02/2010
(87) International Publication No	:WO 2010/089091
(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)KATHRIN REICHARDT**  
**2)SVEN FILLER**

---

(57) Abstract :

For the reliable production of stacks 100 of medicament pockets 4, 4', 4 containing medicament wafers 2 and having a marking 3 on a marking border 17 in one of a number of marking portions 18 arranged next to one another, the following process is carried out: stacking the medicament pockets 4, 4', 4 one on top of the other to form at least one stack 100 of medicament pockets, so that in the at least one stack there are following one another medicament pockets 4, 4', 4 of which the markings 3 are located in marking portions 18 following one another, and, if appropriate, a medicament pocket 4, 4', 4 with a marking 3 located at a first end of the marking border 17 follows a medicament pocket 4, 4', 4 with a marking 3 located at a second end of the marking border 17.

No. of Pages : 67 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6031/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HEATED FLUID CONDUITS, SYSTEMS AND METHODS

(51) International classification	:F16L 53/00
(31) Priority Document No	:12/378,435
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000405
Filing Date	:12/05/2010
(87) International Publication No	:WO 2010/093463
(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)MICHAEL H. ELLIS**

**2)TIMOTHY DEANS**

**3)EVAN TWAROG**

**4)DONALD R. GILBREATH**

**5)WALKER BOLGER**

**6)TIM SAUPE**

---

(57) Abstract :

A heated fluid conduit (100) has a body (101) with a semi-conductive material (105) disposed therein with an electrical power supply coupled to the conduit to provide a voltage across the conduit and a current therethrough, heating the fluid conduit

No. of Pages : 29 No. of Claims : 63

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6171/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MULTIPLE APERTURE DOSING CLOSURE SYSTEM.

(51) International classification	:B65D 51/28	(71) <b>Name of Applicant :</b> <b>1)SAULLE, MARCO</b> Address of Applicant :VIA DANTE, 10, I-20080 CARPIANO (MI) (IT) Italy
(31) Priority Document No	:PCT/EP 2009/000226	(72) <b>Name of Inventor :</b> <b>1)SAULLE, MARCO</b>
(32) Priority Date	:14/01/2009	
(33) Name of priority country	:Italy	
(86) International Application No	:PCT/EP2009/002611	
Filing Date	:08/04/2009	
(87) International Publication No	:WO 2010/081495	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A closure with an integrated dosing cap (1), comprising an upper part (6), a body (2) with a threaded closure (9) having a bottom (3), closed by a closing seal (5) fixed to the lower end of the body (2) and easily removable in response to axial pressure (F) exerted on the upper part (6) of the closure dosing cap, thus creating 2 or more individual openings at the bottom (3).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6174/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR TRANSFORMING SCHIZOSACCHAROMYCES POMBE TRANSFORMANT OF SCHIZOSACCHAROMYCES POMBE AND METHOD FOR PRODUCING HETEROLOGOUS PROTEIN

(51) International classification	:B23B
(31) Priority Document No	:2009-015472
(32) Priority Date	:27/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/050984
Filing Date	:26/01/2010
(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 :**

**1)Asahi Glass Company Limited**

Address of Applicant :5-1, MARUNOUCHI 1-CHOME,  
CHIYODA-KU, TOKYO 100-8405, JAPAN

(72)**Name of Inventor :**

**1)Kaoru Takegawa**

**2)Hideki Tohda**

**3)Chihiro HAMA**

---

(57) Abstract :

To provide a method for transforming S.pombe for creating a transformant with a high stability of maintenance after passage and enables the steady production of a heterologous protein of interest a transformant produced by the method and a method for producing a heterologous protein using the resultant transformant. A method for transforming Schizosaccharomyces pombe by using a vector carrying an expression cassette (containing a promoter capable of functioning in Schizosaccharomyces pombe a heterologous protein structural gene and a terminator) and having recombination region(s) at which homologous recombination with each chromosome of Schizosaccharomyces pombe is to be achieved which comprises integrating the expression cassette into the Tf2.....

No. of Pages : 31 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6044/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : APPARATUS FOR LARGE AREA PLASMA PROCESSING

(51) International classification	:G15M
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2009/050549
Filing Date	:10/02/2009
(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)HELYSEN S rl

Address of Applicant :Route de la Louche 31 c/o Philippe Guittienne CH-1092 Belmont-sur-Lausanne SWITZERLAND

(72)Name of Inventor :

1)GUILTIENNE Philippe

(57) Abstract :

An apparatus for large area plasma processing according to the invention comprises at least one plane antenna (A) having a plurality of interconnected elementary resonant meshes (M1, M2, M3), each mesh (M1, M2, M3) comprising at least two conductive legs (1, 2) and at least two capacitors (5, 6). A radiofrequency generator excites said antenna (A) to at least one of its resonant frequencies. A process chamber is in proximity of said antenna (A). Said antenna (A) produces an electromagnetic field pattern with a very well defined spatial structure, which allows a great control on the excitation of the plasma.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6045/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING A HYBRID POWER SYSTEM

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(51) International classification	:G01T
(31) Priority Document No	:12/355,169
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/066574
Filing Date	:03/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)ZBB ENERGY CORPORATION**

Address of Applicant :N93 W14475 Whittaker Way

Menomonee Falls WI 53051 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)Steven SEEKER**

**2)Kevin DENNIS**

**3)Mike HUGHES**

---

(57) Abstract :

The present invention provides a simplified method of controlling power among the various sources and loads in a power system (10). Power generating sources are each connected to a common DC bus (50) through a converter (20) designed to optimize power flow to the DC bus (50). A DC storage device (40) is connected to the common DC bus (50) through a power regulator (30) designed to maintain a constant voltage on the DC bus (50). Further, an inverter (60) may be provided to convert the DC voltage to an AC voltage for a customer load or for connection to the utility grid. Each power conversion device is independently controlled to provide a modular and simplified power control system (10).

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6046/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SECURE PAYMENT AND BILLING METHOD USING MOBILE PHONE NUMBER OR ACCOUNT

(51) International classification	:G09D
(31) Priority Document No	:61/152,696
(32) Priority Date	:14/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023863
Filing Date	:11/02/2010
(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)Net2Text Limited**

Address of Applicant :377 East 33rd St. Suite 20-B New York NY 10016 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)Rammal Karim Anwar**

(57) Abstract :

A system, method and computer program product for processing payments for goods or services, including a payment processor that receives a payment request from a merchant for goods or services and that includes a mobile phone number or mobile phone account of a user, sends a payment authorization request text message to the mobile phone requesting payment authorization, and receives a payment authorization text message from the mobile phone authorizing or not authorizing the payment. If the payment is authorized, the payment processor pays the merchant and charges the mobile phone account for the payment. If the payment is not authorized or if the payment is not received within a predetermined period of time, the payment processor declines to pay the merchant for the goods or services.

No. of Pages : 39 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6184/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : LIGHTING ARRESTER AND A POWER TRANSMISSION LINE PROVIDED WITH SUCH AN ARRESTER

(51) International classification	:H01T 4/16
(31) Priority Document No	:PCT/RU2009/000006
(32) Priority Date	:19/01/2009
(33) Name of priority country	:PCT
(86) International Application No	:PCT/RU2009/000006
Filing Date	:19/01/2009
(87) International Publication No	:WO 2010/082861
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)OTKRYTOE AKTSIONERNOE OBSCHESTVO NPO STREAMER

Address of Applicant :NEVSKY PR. POM. 17N, D. 147, ST. PETERSBURG 191024, RUSSIAN FEDERATION Russia

(72)Name of Inventor :

1)PODPORKIN, GEORGY VIKTOROVICH

2)KALAKUTSKY, EVGENY SERGEEVICH

(57) Abstract :

A lightning arrester for protecting elements of electrical facilities or a power transmission line comprises an insulating body which is made of a solid dielectric, preferably in the form of a bar, a strip or a cylinder, two main electrodes that are mechanically coupled to the insulating body and two or more intermediate electrodes. The intermediate electrodes, preferably made in the form of bars or cylinders, are arranged between the main electrodes so that said intermediate electrodes are mutually shifted along the longitudinal axis of the insulating body or along a spiral line. Such design makes it possible to form a discharge channel between the adjacent electrodes. Furthermore, said electrodes are located inside the insulating body and are separated from the surface of the body by an insulation layer. Discharge chambers formed as cavities or through bores opened to the surface of the insulating body are arranged between the pairs of the adjacent electrodes. Dimensions of the chambers are selected such that a discharge is easily blown out from the chambers to the surface of the insulating body, thereby increasing the efficiency of the discharge current quenching. In the preferred embodiments, the arrester is provided with an additional electrode for reducing a flashover voltage. Various embodiments of a power transmission line using the arrester of the invention are also disclosed.

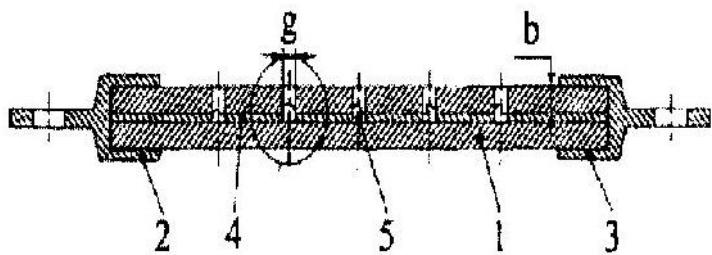


Fig. 1

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6190/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MOUTH RINSE COMPOSITIONS INCLUDING CHEMICALLY MODIFIED SILICA OR SILICATE MATERIALS FOR SUSTAINED DELIVERY TO TOOTH SURFACES

(51) International classification	:C07C
(31) Priority Document No	:61/275,689
(32) Priority Date	:24/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2010/000084 :19/01/2010
(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)J.M. HUBER CORPORATION**

Address of Applicant :1000 Parkwood Circle Suite 1000  
Atlanta GA 30399 U.S.A

(72)Name of Inventor :

**1)GALLIS Karl W.**

**2)SWAZEY John M.**

**3)PASAY Cozette Ashly B.**

**4)DARSILLO Michael S.**

**5)ZAPF Jason Thomas**

(57) Abstract :

Novel mouth rinse (i.e. mouthwash) compositions that permit delivery of silica or silicate materials to the surface of teeth through common mouth rinsing procedures are provided. Such compositions must exhibit proper suspension of the silica or silicate materials (in particulate form) to prevent settling during storage while simultaneously providing proper mouth rinsing properties. Such silica or silicate materials may themselves exhibit any number of therapeutic or aesthetic benefits as long as such materials are easily transferred through mouth rinsing and exhibit proper affinity for deposit on target teeth upon contact therewith. Such silica or silicate materials should exhibit in one embodiment certain ionic charge levels as well as sufficiently small particle sizes to permit effective static attraction and eventual accumulation on target tooth surfaces. Methods of utilizing such mouthwashes for breath freshening and/or cleaning as well as silica or silicate material tooth accumulation are encompassed within this invention as well.

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6191/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ELECTRODE-ACTIVE ANION-DEFICIENT LITHIUM TRANSITION-METAL PHOSPHATE METHOD FOR PREPARING THE SAME AND ELECTROCHEMICAL DEVICE USING THE SAME

(51) International classification	:H01F
(31) Priority Document No	:10-2009-0005540
(32) Priority Date	:22/01/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/000401
Filing Date	:21/01/2010
(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 :**

**1)HANWHA CHEMICAL CORPORATION**

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(72)**Name of Inventor :**

**1)SONG Kyu Ho**

**2)HAN Soo Yeong**

**3)NAM Ho Seong**

**4)BANG Eui Yong**

**5)OH Se Jin**

**6)BAEK In Jae**

**7)KIM So Yeon**

**8)HAN Kyoo Seung**

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(57) Abstract :

The invention provides an anion-deficient lithium transition-metal phosphate as an electrode-active material which is represented by the chemical formula  $\text{Li}_{1-x}\text{M}(\text{PO}_4)_{1-y}$  ( $0 \leq x \leq 0.15$ ,  $0 < y \leq 0.05$ ). The invention provides a method for preparing said  $\text{Li}_{1-x}\text{M}(\text{PO}_4)_{1-y}$  which comprises preparing a precursor of lithium transition-metal phosphate; mixing said precursor with water under reaction conditions of 200~700,  $f$  and 180~550bar to produce an anion-deficient lithium transition-metal phosphate; and calcining or granulating and calcining the resultant compound. The invention also provides electrochemical devices employing said  $\text{Li}_{1-x}\text{M}(\text{PO}_4)_{1-y}$  as an electrode-active material.

No. of Pages : 59 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6194/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER SUPPLY SYSTEM COMPRISING A HIGH-VOLTAGE DC TRANSMISSION DEVICE WHICH IS DIRECTLY SUPPLIED BY A PHOTOVOLTAIC POWER PLANT

(51) International classification	:H01L 31/042
(31) Priority Document No	:10 2009 004 679.8
(32) Priority Date	:12/01/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2009/068021 :30/12/2009
(87) International Publication No	:WO 2010/079112
(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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHER PLATZ 2, 80333  
MUNCHEN(DE) Germany

(72)Name of Inventor :

1)LAUINGER, THOMAS

(57) Abstract :

A power supply system (SYS) and a photovoltaic device (PVE) intended therefor and comprising a plurality of DC voltage-generating photovoltaic modules (PVM) are proposed, wherein the photovoltaic modules (PVM) for generating a DC voltage (Udc) exceeding the withstand voltage or dielectric strength (Umodmax) of the photovoltaic modules (PVM) and suitable for the high-voltage DC transmission are connected in parallel or in series to one another, wherein the power supply system (SYS) comprises a converter substation (UFS) that can be connected to a power supply network (SVN) installed for users, and includes a high-voltage DC transmission power line (HGUE) so as to transmit in the high voltage range the DC voltage (Udc) generated by the photovoltaic device (PVE) to the converter substation (UFS).

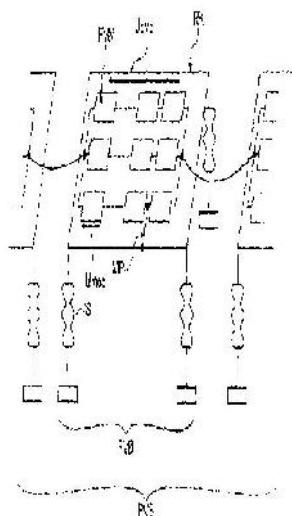


Fig 2

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6196/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TIME DIVISION DUPLEX FRONT END MODULE

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(51) International classification	:H04B 1/44
(31) Priority Document No	:61/207,287
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/02347
Filing Date	:22/02/2010
(87) International Publication No	:WO 2010/093574
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)CTS CORPORATION**

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

(72)**Name of Inventor :**

**1)KNECHT THOMAS**

**2)REESER GLEN**

(57) Abstract :

A front end module for use in a wireless base station such as a picocell includes a housing defining a cavity for a substrate. A first section on the substrate defines a signal transmit path and includes at least the following discrete electronic components: a bandpass filter, a power amplifier, and a coupler. A second section on the substrate defines a signal receive path and includes at least the following discrete electronic components: a bandpass filter and a low-noise amplifier. A switch on the substrate interconnects the first and second sections to an antenna terminal and a wall in the housing extends through a slot in the substrate to isolate the components in the first and second sections. Terminals extend through an exterior wall of the housing and into contact with the substrate.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6053/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND PLANT FOR THE PRODUCTION OF SUBSTITUTE GAS

(51) International classification	:C21B 5/06
(31) Priority Document No	:A283/2009
(32) Priority Date	:20/02/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/051310
Filing Date	:03/02/2010
(87) International Publication No	:WO 2010/094566
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

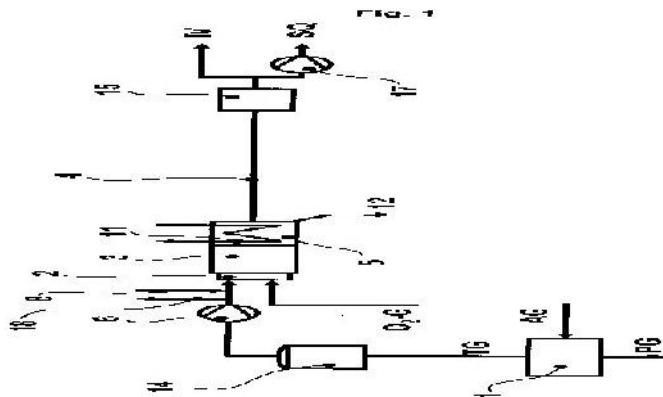
**1)SIEMENS VAI METALS TECHNOLOGIES GMBH**  
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(72)Name of Inventor :

**1)ROBERT MILLNER**  
**2)JAN-FRIEDEMANN PLAUL**  
**3)KURT WIEDER**

(57) Abstract :

A process and an installation for reducing particulate material containing iron oxide are shown, wherein the material containing iron oxide is at least partially reduced with reducing gas in a reducing zone and the waste gas produced during the reduction is drawn off and subsequently subjected to CO<sub>2</sub> cleaning in a CO<sub>2</sub> separating device (1), in which a tail gas containing CO<sub>2</sub> is separated. The tail gas is subjected to combustion and subsequent dewatering in a dewatering device (5), the substitute gas thereby formed being used as a substitute for inert gas. Figure 1



No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6054/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ENHANCED BARRIER MULTIFUNCTIONAL COATINGS FOR NYLON FILMS

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(51) International classification	:B32B 27/08
(31) Priority Document No	:61/151,286
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023434
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/093572
(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)JEFFREY D. MOULTON**

**2)SIMON J. PORTER**

**3)YUAN-PING R. TING**

(57) Abstract :

High barrier multilayer films are disclosed that incorporate a selectively permeable outer layer and a moisture barrier nanocomposite membrane. More particularly, insulation facing materials and insulation articles can incorporate an insulation facing material having a variable vapor barrier. The facing materials can include a moisture barrier membrane that incorporates a nanoclay.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6055/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : POLYURETHANE CASTING COMPOUNDS

(51) International classification	:C08G 18/66
(31) Priority Document No	:10 2009 005 711.0
(32) Priority Date	:22/01/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/000126
Filing Date	:13/01/2010
(87) International Publication No	:WO 2010/083958
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, Germany

(72)Name of Inventor :

**1)HANS-JOSEF LAAS**

**2)JENS KRAUSE**

**3)REINHARD HALPAAP**

**4)CHRISTIAN WAMPRECHT**

**5)DOROTA GRESZTA-FRANZ**

---

(57) Abstract :

The invention relates to the use of polyurethane casting compounds for producing light-resistant compact or expanded polyurethane or polyurethane urea bodies that are characterized by exceptionally good mechanical and visual properties and particularly have a very high heat shape retention.

No. of Pages : 37 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6056/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR PREPARING COPPER-BASED CATALYST, COPPER-BASED CATALYST, AND PRETREATMENT METHOD OF THE SAME

(51) International classification	:B01J 37/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-040055	<b>1)MITSUI CHEMICALS, INC.,</b>
(32) Priority Date	:23/02/2009	Address of Applicant :5-2, HIGASHI-SHIMBASHI, 1-CHOME, MINATO-KU, TOKYO 105-7117, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/052211	<b>1)MASAMI MURAKAMI</b>
Filing Date	:15/02/2010	<b>2)KEN MAEDA</b>
(87) International Publication No	:WO 2010/095599	<b>3)YUYA GOTO</b>
(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 by the present invention a process for preparing a copper-based catalyst having good catalytic activity, markedly excellent durability and good reproducibility. The process for preparing a copper-based catalyst of the invention is a process for preparing a catalyst composed of metal oxides containing copper oxide as an essential component and is characterized by comprising the following steps: (1) a step of bringing an acidic metal salt solution containing copper and a precipitant solution into contact with each other to obtain a slurry solution containing a precipitate of a catalyst precursor, and (2) a step of continuously bringing the slurry solution and a wash liquid into contact with each other to wash the precipitate, with substantially keeping the suspended state.

No. of Pages : 53 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6058/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ELECTROSPINNING OF PTFE WITH HIGH VISCOSITY MATERIALS

(51) International classification	:D04H 3/16
(31) Priority Document No	:61/145,309
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021426
Filing Date	:19/01/2010
(87) International Publication No	:WO 2010/083530
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ZEUS INDUSTRIAL PRODUCTS, INC.

Address of Applicant :OF P.O. BOX 298 RARITAN, NEW JERSEY 08869, UNITED STATES OF AMERICA

(72)Name of Inventor :

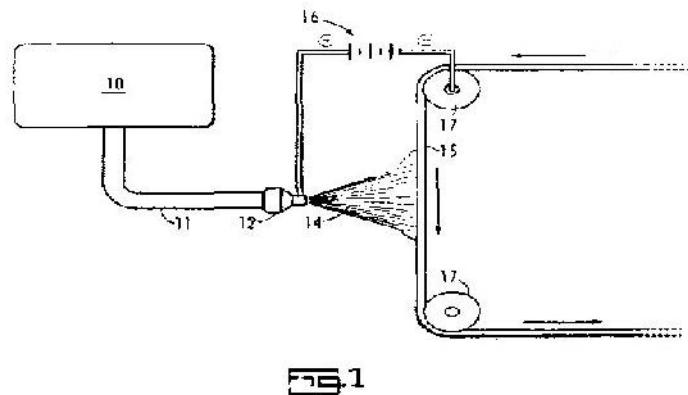
1)ANNEAUX, BRUCE L.

2)BALLARD, ROBERT

3)GARNER , DAVID P.

(57) Abstract :

An improved process for forming a PTFE mat is described. The process includes providing a dispersion with PTFE, a fiberizing polymer and a solvent wherein said dispersion has a viscosity of at least 50,000 cP. An apparatus is provided which comprises a charge source and a target a distance from the charge source. A voltage source is provided which creates a first charge at the charge source and an opposing charge at the target. The dispersion is electrostatically charged by contact with the charge source. The electrostatically charged dispersion is collected on the target to form a mat precursor which is heated to remove the solvent and the fiberizing polymer thereby forming the PTFE



No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6201/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING PYRIDYL CYANOGUANIDINES, PROCESS FOR PREPARING THE SAME AND USE THEREOF

(51) International classification	:A61K 31/44
(31) Priority Document No	:200910067820.1
(32) Priority Date	:06/02/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/000156
Filing Date	:04/02/2010
(87) International Publication No	:WO 2010/088842
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

**1)ZHANG, HESHENG**

**2)ZHANG, QINGHUA**

**3)CHEN, YINGWEI**

**4)HUO, AIHONG**

---

(57) Abstract :

Disclosed are a composition comprising a pyridyl cyanoguanidine and a cyclodextrin, a cyclodextrin derivative and/or a surfactant with solubilization, process for preparation the same and use thereof.

No. of Pages : 52 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5949/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METAL-FUSED PLASTIC CONVEYOR BELT COMPONENTS AND METHODS OF MAKING

(51) International classification	:C08B
(31) Priority Document No	:61/143,860
(32) Priority Date	:12/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/020586
Filing Date	:11/01/2010
(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 :

1)**LAITRAM L.L.C.**

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(72)Name of Inventor :

1)**Gilbert J. MACLACHLAN**

(57) Abstract :

Metal-coated thermoplastic conveyor belt components and methods for their manufacture. Hinge rods, sprockets, and belt modules are coated with metal to increase their stiffness or wear resistance or to improve other performance characteristics.

No. of Pages : 11 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5950/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ANTI-HERPES SIMPLEX VIRUS ANTIBODIES AND METHODS OF USE THEREOF

(51) International classification

:A01J

(31) Priority Document No

:12/348,550

(32) Priority Date

:05/01/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/069952

Filing Date

:31/12/2009

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

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(72)Name of Inventor :

**1)LAI Jiann-Shiun**

**2)CHAN Woan-Eng**

---

(57) Abstract :

The invention provides antibodies and polypeptides that specifically bind to the glycoprotein D of herpes simplex virus (HSV) and use of the antibodies and polypeptides for treating or diagnosing HSV infections.

No. of Pages : 35 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6092/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SPARK IGNITION TYPE INTERNAL COMBUSTION ENGINE•

(51) International classification	:B23B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/052826
Filing Date	:12/02/2009
(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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1 Toyota-cho Toyota-shi Aichi 471-8571 JAPAN

(72)Name of Inventor :

1)YOSHIOKA Mamoru

(57) Abstract :

A spark ignition type internal combustion engine of the present invention comprises a variable closing timing mechanism able to change a closing timing of an intake valve after intake bottom dead center and an EGR mechanism making a part of the exhaust gas flow again into a combustion chamber as EGR gas. The EGR mechanism is controlled so that the amount of EGR gas is reduced when the closing timing of the intake valve is at a retarded side compared with when it is at an advanced side. Due to this occurrence of variation among cylinders in the air-fuel ratio and intake resistance along with blowback of intake gas can be suppressed.

No. of Pages : 79 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6094/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : GENERATOR, NACELLE, AND MOUNTING METHOD OF A NACELLE OF A WIND ENERGY CONVERTER

(51) International classification	:F03D 1/00
(31) Priority Document No	:61/144,713
(32) Priority Date	:14/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2009/053359 :23/03/2009
(87) International Publication No	:WO 2010/081560
(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)AMSC WINDTEC GmbH

Address of Applicant :LAKESIDE B08 9020 KLAGENFURT AUSTRIA

(72)Name of Inventor :

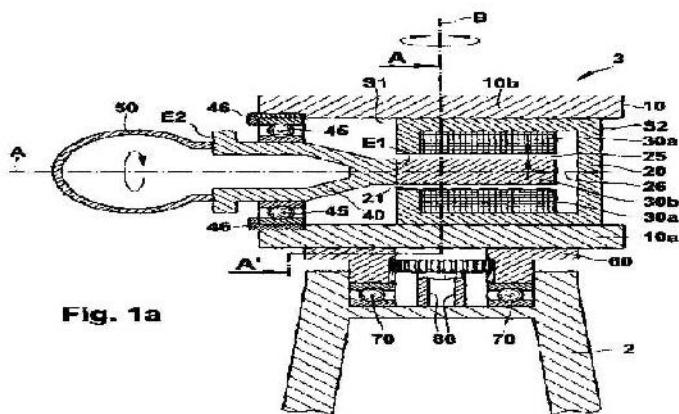
1)FISCHER, MARTIN

2)WOLF, ANTON

3)SCHWARZ, MICHAEL

(57) Abstract :

This invention provides a nacelle of a wind energy converter and a corresponding mounting method of a nacelle of a wind energy converter and a generator for a wind energy converter. The nacelle includes a main frame; a generator including a stator and a rotor; a generator housing attached to the main frame and at least partially enclosing the stator and a rotor space; wherein the generator housing (20; 20') has a first and second side face (S1, S2); wherein the first side face (S1) of the generator housing (20; 20') exposes the rotor space (21); and a flange rotatably supported on the main frame and having a first end which is connected to the rotor; wherein the rotor extends into the rotor space (25) from the first side face (S1) without being supported in the generator housing.



No. of Pages : 35 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6218/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ORTHOPAEDIC MODULE

(51) International classification	:A43B 7/22
(31) Priority Document No	:09/00220
(32) Priority Date	:19/01/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000043
Filing Date	:19/01/2010
(87) International Publication No	:WO 2010/081974
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PODO CONCEPT

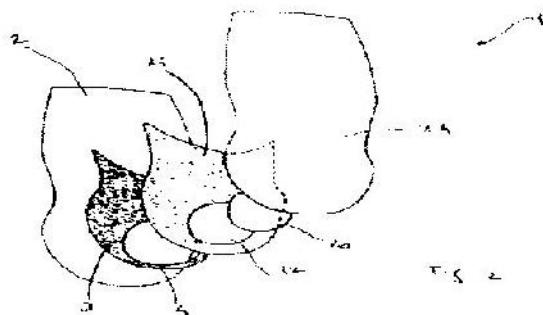
Address of Applicant :4 RUE DE LA BOURSE, F-69001 LYON (FR) France

(72)Name of Inventor :

1)CONTAL, EMMANUEL

(57) Abstract :

The invention relates to an orthopaedic module (1) for thermoforming orthopaedic soles including a multi-layered complex that comprises in an independent or pre-glued manner: a first rigid or semi-rigid shell (11) for providing bearing to the orthopaedic sole; said first shell (11) having a V-shaped anterior cut-off (13) in which the end (14) of the inner branch is located in the vicinity of the first metatarsal collar, in which the end (15) of the outer branch is located in the vicinity of the fifth metatarsal collar, and in which the posterior edge (16) is substantially located in the vicinity of the posterior centre of the middle metatarsals, a sole-shaped upper lining (21) with an anterior edge located substantially at the anterior limit of the anterior heel and for insulating the foot from said first sole (11). According to the invention, the module includes at least one rigid or semi-rigid second shell (3) for providing bearing to the orthopaedic sole, and having an outline with a shape substantially identical to that of the first one but with dimensions smaller than the first one and adjacent to said first shell (11).



No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6079/DELNP/2011 A

(43) Publication Date : 11/10/2013

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

(51) International classification	:H01K
(31) Priority Document No	:2009-293397
(32) Priority Date	:24/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/007316
Filing Date	:17/12/2010
(87) International Publication No	:WO 2011/077677
(61) 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

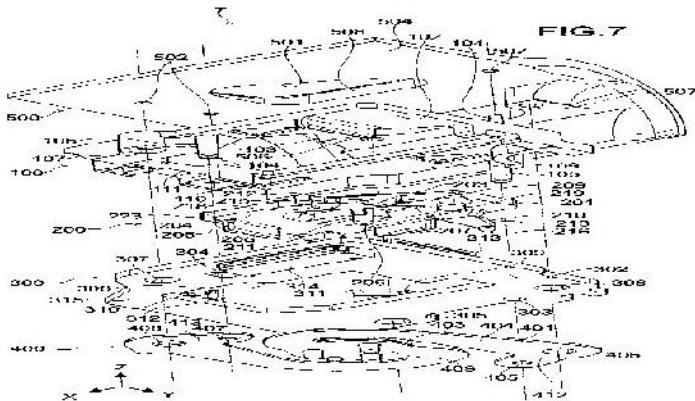
Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO, JAPAN

(72)Name of Inventor :

1)JUNICHI TADANO

(57) Abstract :

[Object] To provide an information processing apparatus including a small slide switch unit enabling direct slide movement to a desired position, and capable of easily and surely switching a plurality of modes with the switch unit. [Solving Means] The information processing apparatus includes a switch unit (7) and a control section. The switch unit (7) includes a movable portion (200), a cover (500), a guide portion (100), and a switch module (300). The cover (500) and the guide portion (100) support the movable portion (200) so as to be directly movable between two positions of all the combinations of three or more positions. The switch module (300) detects that the movable portion (200) has moved to each of the positions. The control section controls based on a detecting result by the switch module (300).



No. of Pages : 63 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6080/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD OF FABRICATING AN OBJECT

(51) International classification	:C23C 24/00
(31) Priority Document No	:0902151.0
(32) Priority Date	:10/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050197
Filing Date	:09/02/2010
(87) International Publication No	:WO 2010/092374
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BAE SYSTEMS PLC**

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(72)Name of Inventor :

**1)ANDREW DAVID WESCOTT**

**2)BENJAMIN RICHARD MORELAND**

**3)JAGIT SIDHU**

---

(57) Abstract :

A method of fabricating an object is disclosed. A first layer of powder is deposited onto a substrate in a configuration defining a first cross-section of the object, and is consolidated by laser irradiation. To fabricate the object, further layers of powder are then deposited onto the sintered first layer of powder to define further cross-sections of the object, and the further layers consolidated. A heat source is applied to the substrate in order to mitigate distortion of the substrate during fabrication of the object.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6082/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS AND MICROCHIP FOR SORTING MICRO PARTICLES

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(51) International classification	:G01N 15/14
(31) Priority Document No	:2009-034337
(32) Priority Date	:17/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/000775
Filing Date	:09/02/2010
(87) International Publication No	:WO 2010/095391
(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)SONY CORPORATION

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

(72)Name of Inventor :

1)MASATAKA SHINODA

(57) Abstract :

[Object] To provide a micro-particle sorting apparatus capable of performing a high-speed analysis and a safe, high-speed, inexpensive sorting by eliminating cross contamination between samples, contamination of a sample, biohazard with respect to users, and a flow cell and an orifice part, which are expensive, a fine adjustment work of the flow cell and the orifice. [Solving Means] Provided is a micro-particle sorting apparatus A including: a microchip 1 in which a flow path 11 through which liquid containing a micro particle flows and an orifice 12 through which the liquid flowing through the flow path 11 is discharged into a space outside the chip are provided; an oscillating element 2 for transforming the liquid into a liquid drop and discharging the liquid drop at the orifice 12; a charge means for adding an electric charge to the discharged liquid drop D; an optical detection means 3 that detects an optical property of the micro particle flowing through the flow path 11, upstream of a liquid-delivering direction with respect to the orifice; paired electrodes 4, 4 provided so as to be opposed to each other while sandwiching the moving liquid drop D therebetween along a movement direction of the liquid drop discharged into the space outside the chip; and two or more containers that collect the liquid drop passing between the paired electrodes 4,4.

No. of Pages : 72 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6230/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : YOKE AND BEARING FITTING ASSEMBLY FOR ROTORS

(51) International classification	:H02K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/031378
Filing Date	:19/01/2009
(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)BELL HELICOPTER TEXTRON INC.**

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(72)Name of Inventor :

**1)STAMPS Frank B.**

**2)TISDALE Patrick R.**

**3)CAMPBELL Thomas C.**

**4)RAUBER Richard E.**

**5)BRASWELL James L. Jr.**

---

(57) Abstract :

A yoke and bearing fitting assembly for a multi-blade aircraft rotor is disclosed. The assembly has a yoke having arms extending generally radially from a central portion of the yoke the arms each having opposing surfaces. An aperture is formed in each arm and extends between the surfaces. A bearing fitting has a body configured for insertion into the aperture of the yoke and has two rims protruding from a periphery of the body the body also having a bearing mount adapted for mounting a pitch change bearing assembly to the yoke. Each rim abuts one of the surfaces of the associated yoke arm when the bearing fitting is installed within the aperture so as to create clamping forces between the rims and the arm and the arm. The bearing fitting transmits forces from the pitch bearing assembly into the yoke.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6067/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : MOBILE PHONE PAYMENT SYSTEM, METHOD AND RELATED DEVICES FOR SUPPORTING ROAMING USERS

(51) International classification	:G06Q 20/00
(31) Priority Document No	:200910170117.3
(32) Priority Date	:03/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/075730
Filing Date	:18/12/2009
(87) International Publication No	:WO 2011/026285
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

1)ZTE CORPORATION

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(72)**Name of Inventor :**

1)YANG, MINGWEI

2)CHEN, PENGFEI

3)LAI, TIANJIAN

(57) Abstract :

The present invention discloses a mobile phone payment system, a method and related devices for supporting a roaming user, wherein, the system comprises a payment service device of a roaming place, a service gateway, and a payment service device of a home place, wherein the payment service device of the roaming place is adapted to, when a roaming user accesses, request by the service gateway the payment service device of the home place in which a number of the roaming user is located to perform a payment process on the roaming; and the payment service device of the home place is adapted to perform a process on a payment request of the roaming user, and notify the payment process result to the payment service device of the roaming place by the service gateway after the payment process is complete. The present invention routes the authentication and authorization message and the payment message from the service of the roaming place to the service of the home place in which the user is located to process by introducing the service gateway, the interactive process and the payment transaction process are separated, which reduces the operating burden and charges of the user, and also reduces the operating cost. FIGURE 1

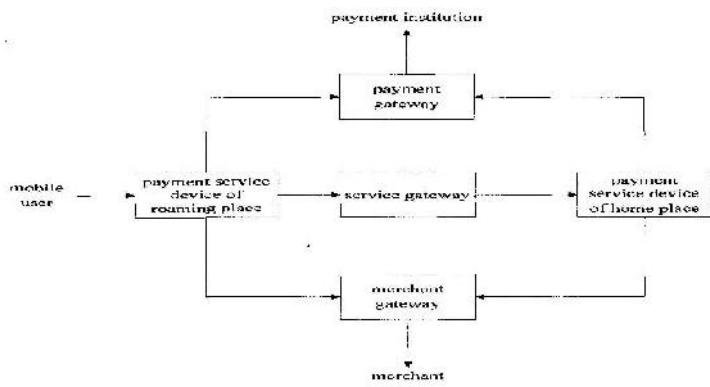


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6069/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPLANTABLE ELECTRODE WITH VARIABLE MECHANICAL MODULATION WIRING•

(51) International classification

:G01L

(31) Priority Document No

:61/150,496

(32) Priority Date

:06/02/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/023298

Filing Date

:05/02/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

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(72)Name of Inventor :

**1)JOLLY Claude  
2)NIELSEN Stefan  
3)BEAL Fabrice**

---

(57) Abstract :

A cochlear implant electrode is described. A basal electrode lead carries electrical stimulation signals from an implant housing to a cochleostomy opening, and a portion of the electrode lead has a periodically recurring lead shape. An apical electrode array at the cochleostomy end of the electrode lead passes into a cochlea scala and includes electrode contacts for applying the electrical stimulation signals to target neural tissue. A portion of the electrode array has a periodically recurring array shape different from the lead shape.

No. of Pages : 18 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6210/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PRODUCING RADIATION MODULES

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(51) International classification :F16L 11/118  
(31) Priority Document No :10 2009 009 108.4  
(32) Priority Date :16/02/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP10/000648  
    Filing Date :03/02/2010  
(87) International Publication No :WO 2010/091815  
(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)MARTIN POGGEL**

**2)SEBASTIAN SCHMIDT**

**3)ERHARD BECKERS**

**4)JORG KAULING**

---

(57) Abstract :

The present invention relates to a device and a method for mounting flexible, profiled hollow cylinders onto cylindrical elements. Profiled hollow cylinders which are mounted onto a cylindrical element form excellent modules for irradiating fluid media with electromagnetic radiation. The present invention also relates to a method of producing irradiation modules and to irradiation modules produced by means of the method according to the invention.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6215/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A DIRECT SMELTING PROCESS AND APPARATUS

(51) International classification	:C21B 13/00
(31) Priority Document No	:2009900490
(32) Priority Date	:09/02/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000131
Filing Date	:09/02/2009
(87) International Publication No	:WO 2010/088740
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TECHNOLOGICAL RESOURCES PTY. LIMITED

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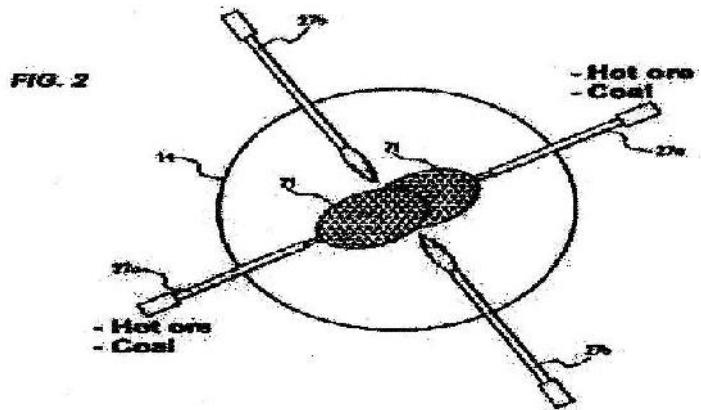
(72)Name of Inventor :

1)PILOTE, JACQUES

2)DRY, RODNEY, JAMES

(57) Abstract :

A process and apparatus for direct smelting metalliferous material is disclosed. The invention concentrates injection of solid feed materials comprising metalliferous material and carbonaceous material into a direct smelting vessel during the course of the process into a relatively small region within a metal layer in a molten bath in the vessel in order to generate a substantial upward movement of molten material and gas from the metal layer into a region in the vessel that is above the molten bath. In particular, the invention injects the solid feed materials with sufficient momentum and/or velocity via an opposed pair of lances that are oriented within the vessel and arranged to form overlapping plumes of injected material in the molten bath.



No. of Pages : 33 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.6141/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TREATMENT OF NEUROTROPHIC FACTOR MEDIATED DISORDERS

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(51) International classification	:A01J
(31) Priority Document No	:61/147,084
(32) Priority Date	:24/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/050098
Filing Date	:22/01/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Daryl REES**

**2)Antonia ORSI**

**3)Patrick HOWSON**

**4)Zongqin XIA**

**5)Yaer HU**

---

(57) Abstract :

An agent selected from A/B-cis furostane furostene spirostanol and spirostanol steroid sapogenins and ester ether ketone and glycosylated forms thereof is used to induce self- regulated homeostasis of neurotrophic factors(NFs) for example BDNF and/or GDNF NFs with limited and manageable side effects in a subject by modulating NFs in a non- toxic manner under homeostatic control. An effective amount of at least one such agent is administered to the subject particularly in the treatment or prevention of a range of NF- mediated disorders particularly neurological psychiatric inflammatory allergic immune and neoplastic disorders and in the restoration or normalisation of neuronal and other function in or in relation to any damaged or abnormal tissue including when assisting tissue (for example skin bone eye and muscle) healing and general skin bone eye and muscle health.

No. of Pages : 118 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6144/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/08/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : AZACYCLIC SPIRODERIVATIVES AS HSL INHIBITORS

(51) International classification	:C07D 471/10
(31) Priority Document No	:PCT/EP2010/056307
(32) Priority Date	:10/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056307
Filing Date	:10/05/2010
(87) International Publication No	:WO 2010/130665
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)F. HOFFMANN-LA ROCHE AG

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(72)Name of Inventor :

1)HUNZIKER, DANIEL

2)NEIDHART, WERNER

3)NETTEKOVEN, MATTHIAS

4)SCHULZ-GASCH, TANJA

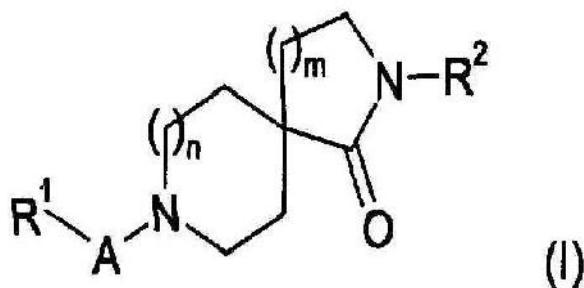
5)WERTHEIMER, STANLEY

6)ACKERMANN, JEAN

7)CONTE, AURELIA

(57) Abstract :

Compounds of formula (I) as well as pharmaceutically acceptable salts thereof can be used in the form of pharmaceutical compositions, wherein n, m, A, R' and R2 have the significance given in claim 1.



No. of Pages : 254 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.6291/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BENZOFURAN DERIVATIVES

(51) International classification	:C07D 307/79
(31) Priority Document No	:2009-056719
(32) Priority Date	:10/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/054286
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/104194
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TAKEDA PHARMACEUTICAL COMPANY LIMITED**

Address of Applicant :1-1, DOSHOMACHI 4-CHOME,  
CHUO-KU, OSAKA-SHI, OSAKA 5410045 JAPAN

(72)Name of Inventor :

**1)TSUKAMOTO TETSUYA**

**2)WAKABAYASHI TAKESHI**

**3)OHRA TAIICHI**

(57) Abstract :

The present invention provides a compound represented by the following formula (I): wherein: Ring A represents an optionally substituted piperazine ring, an optionally substituted morpholine ring, or an optionally substituted homopiperazine ring; R1 and R2 are the same or different from each other, and represent a hydrogen atom or optionally substituted, lower alkyl; R3 and R4 are the same or different from each other, and represent a hydrogen atom or halogenated or non-halogenated lower alkyl; R5 to R7 are the same or different from each other, and represent a hydrogen atom, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted cycloalkyl, optionally substituted aryl, an optionally substituted aromatic heterocyclic ring, optionally substituted amino, or acyl; and represents a single bond or double bond, or a salt thereof.

No. of Pages : 282 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.6296/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PERISTALTIC PUMP TUBING WITH STOPPER AND COOPERATIVE ROLLER ASSEMBLY HOUSING HAVING NO MOVING PARTS

(51) International classification	:F04B 43/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/150,997	<b>1)KLEIN, JEFFREY A.</b>
(32) Priority Date	:09/02/2009	Address of Applicant :30280 RANCHO VIEJO ROAD SAN
(33) Name of priority country	:U.S.A.	JUAN CAPISTRANO CALIFORNIA 92675 UNITED STATES
(86) International Application No	:PCT/US2010/022393	OF AMERICA
Filing Date	:28/01/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/090944	<b>1)KLEIN, JEFFREY A.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A peristaltic pump system includes elastomeric pump tubing and a roller pump. The pump tubing has a pumping segment and an inlet segment. The inlet segment has an inlet segment outer diameter. The pumping segment has a pumping segment outer diameter less than the inlet segment outer diameter. The roller pump has a roller assembly and a roller assembly housing. The roller assembly is disposed within the roller assembly housing and engaged with the pumping segment within the roller assembly housing. The roller assembly housing has an inlet gap formed through the roller assembly housing. The inlet gap defines an inlet gap inner diameter smaller than the pumping segment outer diameter. The inlet gap is adapted to frictionally receive the inlet segment for aligning the pump tubing with a roller assembly and mitigate longitudinal movement of the pump tubing into the roller assembly housing.

No. of Pages : 39 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6152/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING A SGLT2 INHIBITOR, A DPP-IV INHIBITOR AND OPTIONALY A FURTHER ANTIIDIABETIC AGENT AND USES THEREOF

(51) International classification	:A61K 31/401
(31) Priority Document No	:61/152,302
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/051736
Filing Date	:11/02/2010
(87) International Publication No	:WO 2009/091082
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

Address of Applicant :BINGER STRASSE 173, 55216  
INGELHEIM AM RHEIN, Germany

(72)Name of Inventor :

**1)PETER EICKELMANN  
2)MICHAEL MARK  
3)LEO JOHN SEMAN  
4)LEO THOMAS  
5)ULI BROEDL  
6)ROLF GREMPLER**

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(57) Abstract :

The invention relates to a pharmaceutical composition according to the claim 1 comprising an SGLT2 inhibitor, a DPPIV inhibitor and a third antidiabetic agent which is suitable in the treatment or prevention of one or more conditions selected from type 1 diabetes mellitus, type 2 diabetes mellitus, impaired glucose tolerance and hyperglycemia. In addition the present invention relates to methods for preventing or treating of metabolic disorders and related conditions

No. of Pages : 78 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6154/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR PREPARING A PROCESSED VIRTUAL ANALYSIS PLATE

(51) International classification	:G02B 21/36
(31) Priority Document No	:09 50950
(32) Priority Date	:13/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050102
Filing Date	:25/01/2010
(87) International Publication No	:WO 2010/092271
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NOVACYT

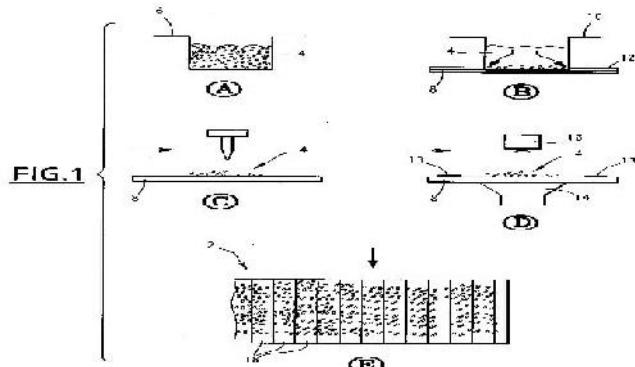
Address of Applicant :13, AVENUE MORANE SAULNIER,  
F-78140 VELIZY VILLACOUBLAY, FRANCE

(72)Name of Inventor :

1)ERIC PELTIER

(57) Abstract :

The invention relates to a method that includes the following steps: - carrying out a treatment of a sample, the treatment being carried out for differentiating diseased cells from healthy cells in the sample (4); - carrying out at least one first image acquisition of the sample (4) provided on an analysis plate (8) so as to obtain a plurality of images, each representing an area (18) of the analysis plate, said images being arranged side by side so as to form an image of the entirety of the sample in order to create a virtual analysis plate (2), - locating a reference plane of the analysis plate including a slide and a lamella provided above the slide for image acquisition, said reference plane being defined by the surface of the slide or the lamella; and - carrying out at least one second image acquisition, said second acquisition being carried out at a different thickness of the sample relative to the first acquisition so as to obtain a plurality of images corresponding to a section of the sample with a different thickness. Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6157/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING GLUCOPYRANOSYL DIPHENYLMETHANE DERIVATIVES, PHARMACEUTICAL DOSAGE FORM THEREOF, PROCESS FOR THEIR PREPARATION AND USES THEREOF FOR IMPROVED GLYCEMIC CONTROL IN A PATIENT

(51) International classification	:A61K 9/00	(71) Name of Applicant :
(31) Priority Document No	:61/152,317	<b>1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH</b>
(32) Priority Date	:13/02/2009	Address of Applicant :BINGER STRASSE 173, 55216 INGELHEIM AM RHEIN, GERMANY
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:PCT/EP10/051737	<b>1)WOLFRAM EISENREICH</b>
Filing Date	:11/02/2010	<b>2)ALBERT BARTA</b>
(87) International Publication No	:WO 2010/092126	<b>3)NADIA S. LADYZHYN SKY</b>
(61) Patent of Addition to Application Number:NA		<b>4)DANPING LI</b>
Filing Date	:NA	<b>5)LEON SCHULTZ</b>
(62) Divisional to Application Number	:NA	<b>6)ZEREN WANG</b>
Filing Date	:NA	<b>7)SREERAJ MACHA</b>

(57) Abstract :

The present invention relates to pharmaceutical compositions comprising a SGLT-2 inhibitor, pharmaceutical dosage forms, their preparation, their use and methods for treating metabolic disorders.

No. of Pages : 104 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6302/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TECHNOLOGY AND DEVICE FOR PRECISELY MEASURING TEMPERATURE OF CABLE JOINT ON THE BASIS OF RADIO FREQUENCY TECHNIQUE

(51) International classification	:H01T
(31) Priority Document No	:CN201010540305.3
(32) Priority Date	:11/11/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2011/000287
Filing Date	:24/02/2011
(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)Zhejiang Tuwei Electricity Technology Co. Ltd**

Address of Applicant :Building No.4 Xidoumen Road No.20  
Xihu District Hangzhou City Zhejiang Province P.R. CHINA

(72)**Name of Inventor :**

**1)Huang Qiang Wu Chengcai**

(57) Abstract :

The invention provides a method and a device for on-line measuring the inner temperature of a cable joint the device includes a built-in temperature measurer and an outside receiver. The built-in temperature measurer measures the temperature of the cable joint or a core wire surface by means of direct contact measuring method and transmits the data to the outside receiver through an insulating layer by means of the radio frequency identification technique. At the same time the outside receiver supplies power energy to the built-in temperature measurer by means of the radio frequency signal so it resolves the problem of supplying power to the built-in temperature measurer. The device of the invention has the advantage of accurately measuring temperature small volume superior applicability and so on.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6303/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A THERMAL INSULATION AND SEALING DEVICE OF THE ROOF-PASSING TUBE BUNDLE ON THE PLATEN HEATING SURFACE OF A BOILER

(51) International classification	:H01T	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:CN 200920212827.3	<b>1)Shanghai Boiler Works Ltd</b>
(32) Priority Date	:09/12/2009	Address of Applicant :250 Huaning Road Minhang District
(33) Name of priority country	:China	Shanghai P.R. CHINA
(86) International Application No	:PCT/CN2010/001978	(72) <b>Name of Inventor :</b>
Filing Date	:07/12/2010	<b>1)LIU Yi</b>
(87) International Publication No	: NA	<b>2)TAO Hongxin</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LIU Jianbin</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention disclosed a thermal insulation and sealing device of the roof-passing tube bundle on the platen heating surface of a boiler this device is used for sealing the boundary of the roof tube and the tube bundle on the platen heating surface. This device comprises a sealing box which is settled outside the boundary of the tube bundle on the platen heating surface and the roof tube; Furthermore this device also comprises the first thermal insulating material layers which are coated outside the tube bundle on the platen heating surface the second thermal insulating material layers which are coated outside the sealing box; and a nonmetal expansion joint which is settled between the first and second thermal insulating material layers.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6162/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : RANGEFINDER PIVOTABLE BETWEEN OBVERSE AND REVERSE POSITIONS

(51) International classification	:G06F 3/043
(31) Priority Document No	:12/361,587
(32) Priority Date	:29/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/050205
Filing Date	:18/01/2010
(87) International Publication No	:WO 2010/086760
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PEGASUS TECHNOLOGIES LTD.

Address of Applicant :P.O. BOX 11343, 58001 AZOOR (IL)

Israel

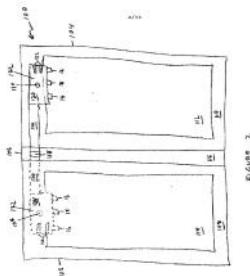
(72)Name of Inventor :

1)SHENHOLZ, GIDEON

2)ZLOTER, ISAAC

(57) Abstract :

A rangefinder, for locating an object moving parallel to a planar surface, is rigidly attached to a carrier that is pivotably movable between an obverse position and a reverse position relative to a planar surface. Preferably, an orienting mechanism is provided for determining which position, obverse or reverse, the carrier and rangefinder are in. Preferably, a pivot, for pivoting the carrier and the rangefinder between the two positions, is rigidly attached either to the plane surface or to an attachment mechanism for reversibly attaching the carrier to the planar surface. Figure 2



No. of Pages : 26 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6163/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FLUX AND FLUXING BATH FOR HOT DIP GALVANIZATION&NBSP; PROCESS FOR THE HOT DIP GALVANIZATION OF AN IRON OR STEEL ARTICLE•

(51) International classification	:F25D
(31) Priority Document No	:09150777.2
(32) Priority Date	:16/01/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/050542
Filing Date	:18/01/2010
(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 :**

**1)GALVA POWER GROUP N.V.**

Address of Applicant :Centrum Zuid 2037 B-3530 Houthalen BELGIUM

(72)**Name of Inventor :**

**1)WARICHET David**

**2)KONE Gentiana**

**3)VERVISCH Anthony**

---

(57) Abstract :

The present invention generally relates to a flux for hot dip galvanization comprising from: 36 to 80 wt. % (percent by weight) of zinc chloride (ZnC12); 8 to 62 wt. % of ammonium chloride (NH4C); from 2 0 to 10 wt. % of a least one of the following compounds: NiC12 MnC12 or a mixture thereof. The invention further relates to a fluxing bath a process for the hot dip galvanization of an iron or steel article as well as to the use of said flux.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6306/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A SUPPORTING STRUCTURE WHICH REALIZES THE FREE EXPANSION OF FEEDBACK UNIT AND RETURN LEG

(51) International classification	:B64C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:CN 200920212825.4	<b>1)Shanghai Boiler Works Ltd.</b>
(32) Priority Date	:09/12/2009	Address of Applicant :250 Huaning Road Minhang District
(33) Name of priority country	:China	Shanghai P.R. CHINA
(86) International Application No	:PCT/CN2010/001977	(72) <b>Name of Inventor :</b>
Filing Date	:07/12/2010	<b>1)YIN Shuanglin</b>
(87) International Publication No	: NA	<b>2)LIU Yi</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ZHENG Haiying</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A supporting structure which realizes the free expansion of feedback unit and return leg the supporting structure contains a first nickelclad and a second nickelclad with self-lubricating material layer on both of their surfaces the first nickelclad and the second nickelclad are mounted on a boiler steel structure; the supporting structure also comprises a feedback unit structure which is fixed connected to a feedback unit a return leg stand which is fixed connected to a return leg a number of smooth plates which are fixed connected to the feedback unit structure and the return leg stand; said feedback unit structure is located on the first nickelclad through a number of smooth plates; said return leg stand is located on the second nickelclad through a number of smooth plates; each smooth plates has a smooth surface the smooth surfaces of said smooth plates are opposite to.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6308/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BEVERAGE LOWERING SERUM CHOLESTEROL

(51) International classification	:C07D
(31) Priority Document No	:2009/0023
(32) Priority Date	:26/01/2009
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2010/000005
Filing Date	:26/01/2010
(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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FINLAND

(72)Name of Inventor :

**1)Ritva LAHTINEN**

**2)Pivi KUUSISTO**

**3)Leena KOPONEN**

(57) Abstract :

A beverage comprising protein plant sterol ester and/or plant stanol ester a fruit and/or vegetable preparation and a stabiliser.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6309/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL PASTEURIA STRAIN

(51) International classification	:A01K
(31) Priority Document No	:61/147,174
(32) Priority Date	:26/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022086
Filing Date	:26/01/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HEWLETT Thomas E.

2)WATERS John P.

(57) Abstract :

The subject invention provides a novel and advantageous strain of Pasteuria bacteria with nematicidal activity against Reniform nematodes. The subject invention provides the novel bacteria culture referred to as ATCC PTA-9643 and mutants thereof. Also provided are nematicidal compositions comprising the Pasteuria strain or its mutants or variants and methods for treating phytopathogenic and soil-dwelling nematodes.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6310/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PIN FOR PREVENTING A NUT FROM BEING LOOSENERD AND U-BOLT ASSEMBLY USING SAME

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0004606	<b>1)HOKMAH ENGINEERING CO. LTD.</b>
(32) Priority Date	:20/01/2009	Address of Applicant :101 1202-7 Sa-dong Sangrok-gu
(33) Name of priority country	:Republic of Korea	Ansan-si Gyeonggi-do 426-170 REPUBLIC OF KOREA
(86) International Application No	:PCT/KR2009/005692	(72) <b>Name of Inventor :</b>
Filing Date	:06/10/2009	<b>1)LEE Dong Ho</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to nuts and a release-preventing pin and a U-bolt assembly using the same and more particularly to a U-bolt assembly adapted to prevent adjacent nuts from being released by forming insert holes in annular extensions of the nuts inserting a release-preventing pin in the insert hole and fastening the nuts in opposite rotating directions and to prevent nuts mounted to a U-bolt from being released by applying the nuts to the U-bolt.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2011

(21) Application No.6021/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SYSTEM FOR PROCESSING VIDEO DATA

(51) International classification	:H04N 7/12
(31) Priority Document No	:60/314,413
(32) Priority Date	:23/08/2001
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US02/26577
Filing Date	:23/08/2002
(87) International Publication No	:WO 03/019939
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:00357/DELNP/2004
Filed on	:17/02/2004

(71)Name of Applicant :

1)POLYCOM, INC.

Address of Applicant :1565 BARBER LANE, MILPITAS, CALIFORNIA 95035, UNITED STATES OF AMERICA

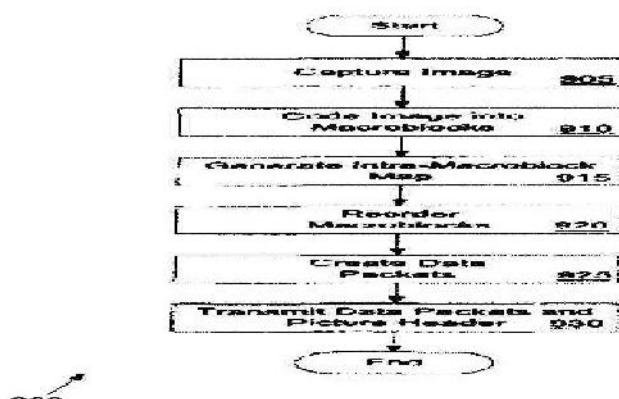
(72)Name of Inventor :

1)HOROWITZ, MICHAEL

2)FLOTT, RICK

(57) Abstract :

The present invention provides, in one embodiment, a system and method for concealing video errors. The system encodes, reorders, and packetizes video information into video data packets for transmission over a communication network such that the system conceals errors caused by lost video data packets when the system receives, depacketizes, orders, (915) and decodes the data packets. In one embodiment, the system and method encodes and packetizes video information, such that adjacent macroblocks are not placed in the same video data packets (925) . Additionally, the system and method may provide information accompanying the video data packets to facilitate the decoding process. An advantage to such a scheme is that errors due to video data packet loss are spatially distributed over a video frame. Thus, if regions of data surrounding a lost macroblock are successfully decoded, the decoder may predict motion vectors and spatial content with a higher degree of accuracy, which leads to higher video quality.



No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6165/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR TREATING A HYDROPHILIC SURFACE•

(51) International classification	:G01K
(31) Priority Document No	:12/354,950
(32) Priority Date	:16/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021238
Filing Date	:15/01/2010
(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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2)TOMASINO Charles

(72)Name of Inventor :

1)SAKHRANI Vinay G.

2)TOMASINO Charles

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(57) Abstract :

One embodiment comprises a method for increasing the hydrophobic characteristics of a surface. A coupling agent is applied to the surface and the surface is subsequently exposed to a first ionizing gas plasma at about atmospheric pressure for a predetermined period of time. The ionizing gas plasma may be formed from a mixture of a carrier gas and a reactive gas. The reactive gas may be comprised of one or more hydrocarbon compound such as an alkane an alkene and an alkyne. Alternatively the reactive gas may be a fluorocarbon or organometallic compound. A lubricant may then be applied to the surface followed by exposure to second ionizing gas plasma.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6169/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MALEIMIDE COPOLYMER, PROCESS FOR THE PRODUCTION THEREOF, AND HEAT-RESISTANT RESIN COMPOSITIONS CONTAINING SAME

(51) International classification	:C08F 212/04	(71) <b>Name of Applicant :</b> <b>1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA</b> Address of Applicant :1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU, TOKYO 103-8338 (JP) Japan
(31) Priority Document No	:2009-007380	
(32) Priority Date	:16/01/2009	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/050384	(72) <b>Name of Inventor :</b>
Filing Date	:15/01/2010	<b>1)NOGUCHI, TETSUO</b>
(87) International Publication No	:WO 2010/082617	<b>2)OZAWA, KOICHI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a maleimide copolymer which exhibits an excellent hue, an effect of imparting high heat resistance, and excellent kneadability. Specifically provided is a maleimide copolymer which comprises 50 to 60 mass% of a styrene monomer unit, 30 to 50 mass% of a maleimide monomer unit, and 0 to 10 mass% of an unsaturated dicarboxylic anhydride monomer unit, and which has a weight-average molecular weight (Mw) of 90,000 to 130,000 and a residual maleimide monomer content of 300 ppm or lower.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6312/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DIGITAL VIDEO BROADCASTING-CABLE SYSTEM AND METHOD FOR PROCESSING RESERVED TONE

(51) International classification	:G11B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0007203	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:30/01/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do REPUBLIC OF KOREA
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/000600	<b>1)Sung Ryul YUN</b> <b>2)Hak Ju LEE</b> <b>3)Jae Yoel KIM</b> <b>4)Yeon ju LIM</b> <b>5)Se Ho MYUNG</b>
Filing Date	:01/02/2010	
(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	

(57) Abstract :

A Digital Video Broadcasting-Cable (DVB-C) system and a processing method for reserved tones are provided. A transmitter determines a position of broadcast data and a position of reserved tones in a frame and sends a broadcast signal into which the broadcast data and the reserved tones are inserted. A receiver determines the position of reserved tones in a received broadcast signal and extracts broadcast data from the broadcast signal in consideration of the determined position of the reserved tones. The system and method may compensate for the peak power of broadcast data to be transmitted through a multi-channel bundle by inserting reserved tones into the whole multi-channel bundle with combined channel bands. This may reduce the Peak to Average Power Ratio (PAPR) of broadcast signals in the DVB-C system and thereby improve the performance of the DVB-C system while still adopting Orthogonal Frequency Division Multiplexing (OFDM).

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/08/2011

(21) Application No.5919/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESS FOR PRODUCING A PHOTOMASK ON A PHOTOPOLYMERIC SURFACE•

(51) International classification	:G01C
(31) Priority Document No	:61/202,109
(32) Priority Date	:29/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000068
Filing Date	:27/01/2010
(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 :

**1)DIGIFLEX LTD.**

Address of Applicant :6 Yad Harutzim Street P.O. Box 2326  
Kfar Saba 44641 ISRAEL

(72)Name of Inventor :

**1)FRENKEL Moshe**

**2)MAZUZ Yaakov**

**3)BEREZIN Oleg**

**4)IVANOVA Natalia**

(57) Abstract :

A process is provided for printing a high resolution pattern on a photopolymeric surface.

No. of Pages : 33 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6034/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR ANALYZING SAMPLES AND COLLECTING SAMPLE FRACTIONS

(51) International classification	:C07C
(31) Priority Document No	:61/332,478
(32) Priority Date	:07/05/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/035366
Filing Date	:05/05/2011
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ALLTECH ASSOCIATES, INC.**

Address of Applicant :7500 GRACE DRIVE COLUMBIA,  
MA 21044, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)RAAIDAH SAARI-NORDHAUS**

**2)ROMULUS GAITA**

**3)WASHINGTON MENDOZA**

**4)JAMES ANDERSON**

**5)SCOTT ANDERSON**

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(57) Abstract :

Methods and apparatus for analyzing a sample using at least one detector are disclosed.

No. of Pages : 87 No. of Claims : 114

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6037/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SEPARATING A GASEOUS COMPONENT

(51) International classification	:B01D 53/047
(31) Priority Document No	:A282/2009
(32) Priority Date	:20/02/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/050511
Filing Date	:18/01/2010
(87) International Publication No	:WO 2010/094527
(61) 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 VAI METALS TECHNOLOGIES GMBH**  
Address of Applicant :TURMSTRASSE 44, 4031 LINZ,  
AUSTRIA

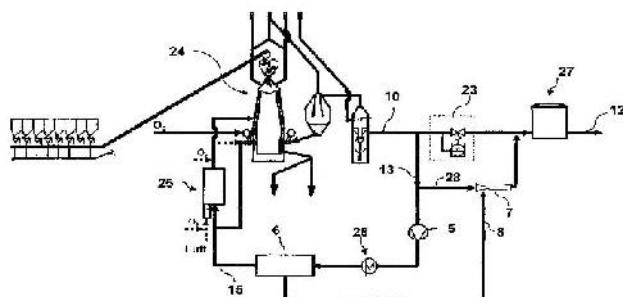
(72)Name of Inventor :

**1)ROBERT MILLNER**  
**2)REIN NORBERT**  
**3)GERALD ROSENFELLNER**

(57) Abstract :

The invention relates to a method and an apparatus for separating at least one gaseous component from a waste gas (14) of an installation for producing liquid pig iron (24), liquid primary steel products or sponge iron, wherein, in a first step, a stream of the waste gas (14) passes through at least one adsorption separator (16) at a first pressure, whereby the gaseous component is largely separated from the waste gas (14) and, in a second step, the gaseous component is largely removed from the adsorption separator (16) at a second pressure, which is lower than the first pressure. The object of the invention is to provide a method and an apparatus that is maintenance-free, causes low investment and energy costs and has a lower space requirement. This object is achieved by a method in which the second pressure or the desorption pressure is generated by at least one jet pump (7), which is fed a stream of a propellant gas (28) at a third pressure, which is higher than the second pressure. Figure 3

FIG. 3



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6039/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A HOT ROLLED THIN CAST STRIP PRODUCT AND METHOD FOR MAKING THE SAME•

(51) International classification	:B23B
(31) Priority Document No	:61/154,248
(32) Priority Date	:20/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/AU2010/000188
Filing Date	:20/02/2010
(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)NUCOR CORPORATION**

Address of Applicant :1915 Rexford Road Charlotte North Carolina 28211 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)EDELMAN Daniel Geoffrey**

**2)KILLMORE Christopher Ronald**

(57) Abstract :

A hot rolled steel strip made by the steps including assembling a twin roll caster, forming a casting pool of molten steel of such composition that the cast strip produced comprises by weight, greater than 0.25 % and up to 1 % carbon, between 0.40 and 2.0 % manganese, between 0.05 and 0.50% silicon, less than 0.01% aluminium, counter rotating the casting rolls to solidify metal shells and forming a steel strip, hot rolling the steel strip such that mechanical properties at 10 % and 35 % reduction are within 10 % for yield strength, tensile strength and total elongation, and coiling the hot rolled steel strip at a temperature between 550 and 750 °C to provide a majority of the microstructure comprising pearlite, along with bainite and acicular ferrite. The steel may have a free oxygen content between 5 and 50 ppm or between 25 and 45 ppm.

No. of Pages : 27 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6320/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BILLET AND CORRESPONDING BILLET HOLDER

(51) International classification	:A61C 13/00
(31) Priority Document No	:0902814.3
(32) Priority Date	:19/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB10/000289
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/094922
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RENISHAW PLC**

Address of Applicant :NEW MILLS, WOTTON-UNDER-EDGE, GLOUCESTERSHIRE GL12 8JR, UNITED KINGDOM

(72)Name of Inventor :

**1)DAVID ROBERTS MCMURTRY**

**2)MARK STEPHEN JAMES FORMAN**

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(57) Abstract :

A billet holder comprising a base and a frame is described. The base and frame are connectable, and when connected are relatively moveable between an open configuration when a billet may be inserted or removed from the billet holder and, a closed configuration when a billet is retained within the billet holder. A billet for being retained within a billet holder, said billet having one or more orientation feature, is also described. The billet may have essentially a D-shape. Further described is a method of manufacture of an article from a billet.

No. of Pages : 33 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6322/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SPRAYING DEVICE FOR APPLYING A SURFACE TREATMENT AGENT TO A MOLD WALL OF A CASTING MOLD

(51) International classification	:B05B 1/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 010 361.9	<b>1)KS ALUMINIUM-TECHNOLOGIE GMBH</b>
(32) Priority Date	:25/02/2009	Address of Applicant :HAFENSTRASSE 25, 74172
(33) Name of priority country	:Germany	NECKARSULM, GERMANY
(86) International Application No	:PCT/EP2010/050985	(72) <b>Name of Inventor :</b>
Filing Date	:28/01/2010	<b>1)ROLAND REITER</b>
(87) International Publication No	:WO 2010/097265	
(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 to a spraying device for applying a surface treatment agent, wherein the steps of cooling the casting mold and applying a release agent can be performed in only one method step. For this purpose, according to the invention, the spraying device comprises a fluid pressure pump between a surface treatment agent mixing station and a spraying apparatus, wherein the pressure of the surface treatment agent is increased to at least 13 bar, preferably 24 bar, by means of the fluid pressure pump. Thus the Leidenfrost effect can be avoided, because outlet speeds are achieved that lead to the vapor buffer being penetrated, and also for hot casting molds, to a cooling effect and wetting with surface treatment agent being achieved.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6197/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : POLYMERIC NANOPARTICLES WITH ENHANCED DRUG-LOADING AND METHODS OF USE THEREOF

(51) International classification	:A61K 47/34
(31) Priority Document No	:61/149,779
(32) Priority Date	:04/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023212
Filing Date	:04/02/2010
(87) International Publication No	:WO 2010/091187
(61) 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 BRIGHAM AND WOMEN'S HOSPITAL, INC.**  
Address of Applicant :75 FRANCIS STREET, BOSTON, MA 02115 U.S.A.

(72)**Name of Inventor :**

**1)BASU SUDIPTA  
2)HARFOUCHE RANIA  
3)SONI SHIVANI  
4)SENGUPTA SHILADITYA**

---

(57) Abstract :

The invention is directed to modified polymers with increased drug-loading including compounds of formula (I): wherein Z is a poly(lactic-co-glycolic acid) (PLGA) polymer having molecular weight from 1-15 kDa and where the ratio of lactide to glycolide in the PLGA polymer is from 1:10 to 10:1; formula (II) R1 are independently H, R2, OH, O-alkyl, -O-R2, NH-R2, -linker-R2) or - and R2 are independently one or more therapeutic agents. The invention is also directed to nanoparticle drug delivery systems including a PLGA-b-PEG block copolymer; and a stabilizer and to drug delivery systems including PLGA-b- PEG block copolymer polyvinyl alcohol (PVA) nanoparticle; and the modified polymer substantially as described herein.

No. of Pages : 70 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6198/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NANOSCALE PLATINUM COMPOUNDS AND METHODS OF USE THEREOF

(51) International classification	:C08F 222/06
(31) Priority Document No	:61/149,725
(32) Priority Date	:04/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023217
Filing Date	:04/02/2010
(87) International Publication No	:WO 2010/091192
(61) 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 BRIGHAM AND WOMEN'S HOSPITAL, INC.**  
Address of Applicant :75 FRANCIS STREET, BOSTON, MA  
02115 U.S.A.

(72)**Name of Inventor :**

**1)SENGUPTA SHILADITYA  
2)PARASKAR ABHIMANYU  
3)SONI SHIVANI  
4)BASU SUDIPTA  
5)SENGUPTA POULOMI**

---

(57) Abstract :

The invention is directed to biocompatible conjugated polymer nanoparticles including a copolymer backbone, a plurality of sidechains covalently linked to said backbone, and a plurality of platinum compounds dissociably linked to said backbone. The invention is also directed to dicarbonyl-lipid compounds wherein a platinum compound is dissociably linked to the dicarbonyl compound. The invention is also directed to methods of treating cancer or metastasis. The methods includes selecting a subject in need of treatment for cancer or metastasis and administering to the subject an effective amount of any of the nanoparticles, compounds, or compositions of the invention.

No. of Pages : 107 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6199/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THREE-DIMENSIONAL SHEET BY TOTAL REFLECTION USING INTEGRAL PHOTOGRAPHY

(51) International classification	:G02B 27/22
(31) Priority Document No	:10-2009-0000975
(32) Priority Date	:07/01/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2009/000634
Filing Date	:11/02/2009
(87) International Publication No	:WO 2010/079860
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CHUNG, HYUNIN

Address of Applicant :103-2104, II APT, 1357, MIA-DONG, KANGBUK-GU SEOUL 142-100 (KR) Republic of Korea

(72)Name of Inventor :

1)CHUNG, HYUNIN

(57) Abstract :

Disclosed therein is a beautiful and clear three-dimensional sheet, which includes a lens array formed on one side of a plastic sheet and having a plurality of hemispherical convex lenses arranged in columns and rows and embossed or engraved patterns formed on the other side of the plastic sheet by a plane total reflection angle, so that the uneven patterns appear to be enlarged and glitter like diamonds when they are viewed from the front of the convex lenses to thereby provide an effect that the patterns appear to hang in the air or to be sunken from the surface of the sheet. The three-dimensional sheet includes: a convex lens layer (10) molded of transparent synthetic resin or glass, the convex lens layer (10) having a plurality of hemispherical convex lenses (11) arranged in columns and rows on the upper face thereof; a transparent layer (20) located beneath the convex lens layer (10) for controlling a focal distance of the convex lenses (11); and an uneven pattern layer (30) located beneath the transparent layer (20) and having a pattern arrangement structure that embossed or engraved patterns are arranged at the same angle as convex lenses (11) of the convex lens layer (10), the uneven pattern layer (30) having uneven patterns (31) each having a section with an oblique angle larger than a plane total reflection angle (35) at the point of time that an observer observes the three-dimensional pattern, wherein the convex lens layer (10), the transparent layer (20) and the uneven pattern layer (30) are integrated into one sheet.

No. of Pages : 27 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6350/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SOLID PHARMACEUTICAL COMPOSITION COMPRISING AMLODIPINE AND LOSARTAN WITH IMPROVED STABILITY

(51) International classification	:A61K 9/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0005840	<b>1)HANMI HOLDINGS CO., LTD</b>
(32) Priority Date	:23/01/2009	Address of Applicant :#45, BANGI - DONG, SONGPA - GU, SEOUL 138 - 828, REPUBLIC OF KOREA
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2009/003028	<b>1)PARK, JAE HYUN</b>
Filing Date	:05/06/2009	<b>2)KIM, KYEONG SOO</b>
(87) International Publication No	:WO 2010/085027	<b>3)YIM, HO TAEK</b>
(61) Patent of Addition to Application Number	:NA	<b>4)IM, JI HYUN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a solid pharmaceutical composition for preventing or treating cardiovascular disorders comprising granular forms of amlodipine and losartan which are separated from each other, and a stabilizing agent, which has improved storage stability due to minimized interaction between amlodipine and losartan.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6231/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STIFF-IN-PLANE ROTOR CONFIGURATION

(51) International classification	:H02K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/031381
Filing Date	:19/01/2009
(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)BELL HELICOPTER TEXTRON INC.**

Address of Applicant :P.O. Box 482 Fort Worth TX 76101  
U.S.A

(72)Name of Inventor :

**1)STAMPS Frank B.**

**2)TISDALE Patrick R.**

**3)DONOVAN Tom**

**4)RAUBER Richard E.**

(57) Abstract :

A rotor assembly for a rotary-wing aircraft the rotor having a central hub assembly with a flexure-type twist-shank yoke with multiple arms each arm being adapted for a rotor blade to be mounted thereto. The arms provide for pitch changes of blades attached to the yoke through twisting of portions of the arms about a corresponding pitch axis. An inboard pitch bearing associated with each arm is attached to the hub assembly and allows for rotation of the attached blade about the pitch axis the inboard pitch bearing also allowing for out-of-plane motion of the arm relative to the hub assembly about a flapping axis. An outboard pitch bearing associated with each arm is attached to the associated arm a selected distance from the inboard pitch bearing and allows for rotation of the attached blade about the pitch axis.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6232/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A LIQUID DISPENSER

(51) International classification	:B67D 3/00
(31) Priority Document No	:2008/7174
(32) Priority Date	:09/01/2009
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/ZA2010/000001
Filing Date	:08/01/2010
(87) International Publication No	:WO 2010/081175
(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)JUICELOOP (PTY) LTD**

Address of Applicant :BUILDING 5, 1ST FLOOR,  
HARROWDENE OFFICE PARK, WESTERN SERVICE ROAD,  
WOODMEAD, JOHANNESBURG, SOUTH AFRICA

(72)Name of Inventor :

**1)GARBER, JARROD**

(57) Abstract :

A liquid dispenser comprising a dispensing portion integral with a storage portion, wherein the storage portion is releasably securable to a surface of a water container of a water unit. The storage portion is suitably configured to enable its engagement with the water container by means of a snap-fit, alternately a slide-fit tongue and groove formation; an adhesive compound; or the suspension of storage portion from a top flange of the water container. The storage portion may comprise a resiliently compressible formation, which when depressed causes liquid to be dispensed from the dispensing portion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2011

(21) Application No.6233/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE AND METHOD USING CENTRIFUGATION FOR EXTRACTING A LIQUID AND HEAT LOSS COMPENSATING MEANS

(51) International classification	:A47J 31/22	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09152320.9	<b>1)NESTEC S.A.</b>
(32) Priority Date	:06/02/2009	Address of Applicant :AVENUE NESTLE 55, CH-1800 VEVEY, SWITZERLAND
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/051318	<b>1)PERENTES, ALEXANDRE</b> <b>2)JARISCH, CHRISTIAN</b> <b>3)COLANTONIO, JEAN-LUC</b> <b>4)STRUZKA, ZBYNEK</b>
Filing Date	:03/02/2010	
(87) International Publication No	:WO 2010/089329	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method for producing a liquid extract from food ingredients in a beverage producing device comprising a brewing unit driven in centrifugation comprising: - providing food ingredients in the brewing unit (2), - supplying heated liquid in the brewing unit, - centrifuging the brewing unit thereby generating centrifugal forces forcing liquid to flow through the food ingredients and, - dispensing the liquid, wherein it comprises an operation for compensating the thermal losses of the liquid extract in the brewing unit (2) and/or the collecting unit (18).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6371/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICES AND METHODS FOR CONTROLLING PATIENT TEMPERATURE

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(51) International classification	:A61M 37/00
(31) Priority Document No	:61/155,876
(32) Priority Date	:26/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025523
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/099396
(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)ADVANCED COOLING THERAPY, LLC**

Address of Applicant :1505 S. PRAIRIE AVENUE,  
CHICAGO, ILLINOIS 60605, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)KULSTAD, ERIK**

**2)CAHERTY, HUGH PATRICK**

(57) Abstract :

Relatively non-invasive devices and methods for heating or cooling a patient's body are disclosed. Devices and methods for treating ischemic conditions by inducing therapeutic hypothermia are disclosed. Devices and methods for inducing therapeutic hypothermia through esophageal cooling are disclosed.

No. of Pages : 70 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6379/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYMBIOTIC MAPLE PRODUCT COMPOSITIONS AND METHODS

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(51) International classification	:A61K 36/20
(31) Priority Document No	:61/158,151
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000308
Filing Date	:23/08/2010
(87) International Publication No	:WO 2010/099617
(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)F%oD%oRATION DES PRODUCTEURS AC%oRICOLES  
DU QU%oBEC**

Address of Applicant :MAISON DE IUPA, 555  
BOULEVARD ROLAND THERRIEN, LONGUEUIL, QUEBEC  
J4H 4G5, CANADA

(72)**Name of Inventor :**

**1)BELAND, GENEVIEVE  
2)BARBEAU, JULIE  
3)FLISS, ISMAIL**

---

(57) Abstract :

The present invention relates to novel maple product compositions. In particular, the present invention relates to new compositions comprising maple sap, maple concentrate, maple syrup or diluted maple syrup, and probiotics, prebiotics or combinations thereof. The present invention also discloses methods for the production of maple based products, including functional drinks, comprising a composition comprising maple sap, maple concentrate, maple syrup or dilutated maple syrup, and probiotics, prebiotics or combinations thereof, as a vehicle for the delivery of probiotics and prebiotics to the gastrointestinal tract.

No. of Pages : 31 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5969/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL HERBICIDES

(51) International classification	:C07C 49/753
(31) Priority Document No	:0901834.2
(32) Priority Date	:04/02/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/050758
Filing Date	:25/01/2010
(87) International Publication No	:WO 2010/089210
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SYNGENTA LIMITED**

Address of Applicant :EUROPEAN REGIONAL CENTRE,  
PRIESTLEY ROAD, SURREY RESEARCH PARK,  
GUILDFORD, SURREY GU2 7YH UNITED KINGDOM

(72)Name of Inventor :

**1)MATHEWS CHRISTOPHER JOHN**

**2)FINNEY JOHN**

**3)SCUTT JAMES NICHOLAS**

**4)ROBINSON LOUISA**

**5)DELANEY JOHN STEPHEN**

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(57) Abstract :

Compounds of Formula (I), wherein the substituents are as defined in claim 1, are suitable for use as herbicides.

No. of Pages : 100 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6106/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ANTI-CANCER PROTEIN-PLATINUM CONJUGATES

---

(51) International classification

:A01K

(31) Priority Document No

:61/206,360

(32) Priority Date

:31/01/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/000250

Filing Date

:29/01/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

**1)IGF ONCOLOGY LLC**

Address of Applicant :429 Birchwood Courts Birchwood MN  
55110 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)Hugh MCTAVISH**

(57) Abstract :

The invention provides polypeptide-platinum conjugates comprising an anticancer platinum complex conjugated to polypeptides that bind relatively specifically to cancer cells so as to direct the conjugates to cancer cells resulting in increased anticancer efficacy and decreased side-effects as compared to cisplatin and other conventional anti-cancer platinum complexes.

No. of Pages : 48 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6107/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : Diaphragm Pump and Blood Pressure Monitor

(51) International classification	:A01J
(31) Priority Document No	:2009-016459
(32) Priority Date	:28/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071119
Filing Date	:18/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)OMRON HEALTHCARE Co. LTD.

Address of Applicant :24 Yamanouchi Yamanoshita-cho  
Ukyo-ku Kyoto-shi Kyoto 615-0084 JAPAN

(72)Name of Inventor :

1)Yoshihiko SANO

2)Tomohiro KUKITA

(57) Abstract :

A diaphragm pump for achieving reduced pressure ripple of an exhausted gas is provided. The diaphragm pump (1) is a pump for transporting a gas in accordance with change in volume of a pump chamber (12) and the diaphragm pump (1) includes an exhaust valve (30) permitting flow of the gas that flows out of the pump chamber (12) and prohibiting a flow thereof in a reverse direction an air chamber (41) in which the gas that has flowed out of the pump chamber (12) through the exhaust valve (30) flows an exhaust port (43) through which the gas is exhausted to the outside of the diaphragm pump (1) and a through hole portion (44) for restricting a flow rate of the gas that flows from the air chamber (41) to the exhaust port (43).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/08/2011

(21) Application No.6388/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NEW ADENOSINE RECEPTOR LIGANDS AND USES THEREOF

(51) International classification	:C07D
(31) Priority Document No	:09 360 007.0 (EP)
(32) Priority Date	:26/01/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/IB2010/000416
Filing Date	:25/01/2010
(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 :

**1)DOMAIN THERAPEUTICS**

Address of Applicant :Bioparc Boulevard Sbastien Brandt  
ILLKIRCH France

(72)Name of Inventor :

**1)SCHANN Stephan**

**2)MAYER Stanislas**

(57) Abstract :

The present invention provides new compounds with high affinity for adenosine A2A receptors. It also provides antagonists of adenosine A2A receptors and their use as medicaments for the treatment and/or prophylaxis of diseases and disorders where the partial or total inactivation of adenosine A2A receptors signalling pathways could be beneficial such as Alzheimers disease Parkinsons disease attention deficit and hyperactivity disorders (ADHD) Huntingtons disease neuroprotection schizophrenia anxiety and pain. The present invention further relates to pharmaceutical compositions containing such new compounds with high affinity for adenosine A2A receptors and their use for the treatment and/or prophylaxis of diseases and disorders where the partial or total inactivation of adenosine A2A receptors could be beneficial.

No. of Pages : 91 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6389/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HOT AISLE CONTAINMENT COOLING SYSTEM AND METHOD

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(51) International classification	:H01K
(31) Priority Document No	:12/361,087
(32) Priority Date	:28/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/068506
Filing Date	:17/12/2009
(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)AMERICAN POWER CONVERSION CORPORATION**  
Address of Applicant :132 Fairgrounds Road West Kingston RI 02892 U.S.A

(72)**Name of Inventor :**

**1)BEAN John H. Jr**  
**2)NIEMANN John Christopher**

(57) Abstract :

An air containment cooling system for containing and cooling air between two rows of equipment racks includes a canopy assembly configured to enclose a hot aisle defined by the two rows of equipment racks and a cooling system embedded within the canopy assembly. The cooling system is configured to cool air disposed within the hot aisle. Other embodiments and methods for cooling are further disclosed.

No. of Pages : 29 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6390/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMMUNICATION SYSTEM AND PROTOCOL

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(51) International classification	:H04L
(31) Priority Document No	:12/361,591
(32) Priority Date	:29/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022396
Filing Date	:28/01/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)AMERICAN POWER CONVERSION CORPORATION**

Address of Applicant :132 Fairgrounds Road West Kingston  
RI 02892 U.S.A

(72)**Name of Inventor :**

**1)ZHU Dao-yi**

(57) Abstract :

A communication system and protocol that permits a first device to communicate a plurality of messages in a predetermined order to a user of the first device where the plurality of messages their content and their predetermined order need not be known to the first device until the messages are provided to the first device by a second device. The user of the first device is permitted to move backward or forward through the messages in the predetermined order while utilizing a minimal amount of resources of the first device such as processor power and memory.

No. of Pages : 43 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2011

(21) Application No.5878/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : BELT WEIGHING SYSTEM

(51) International classification	:B65G 15/30
(31) Priority Document No	:2009900380
(32) Priority Date	:02/02/2010
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000098
Filing Date	:02/02/2010
(87) International Publication No	:WO 2010/085858
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BURRELL, LEONARD, LAN

Address of Applicant :37 STANLEY STREET,  
PEAKHURST, NEW SOUTH WALES, 2210, AUSTRALIA

2)DANIELSON, LORNE, HAROLD

(72)Name of Inventor :

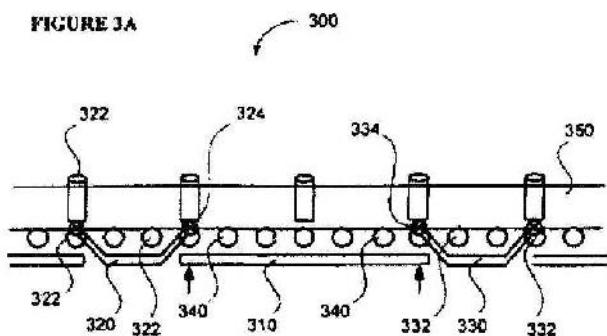
1)BURRELL, LEONARD, LAN

2)DANIELSON, LORNE, HAROLD

(57) Abstract :

A belt weighing system comprising a weigh frame, an entry transition support structure and an exit transition support structure positioned on either sides of the weigh frame. The weigh frame preferably includes a plurality of closely spaced idlers to support a conveyor belt. The optional entry transition support structure can include one or more second belt support components, and the optional exit transition support structure can include one or more third belt support components. In one example form, a plurality of closely spaced idlers is also provided to support the belt adjacent or near the weigh frame in the transition regions. The plurality of closely spaced idlers reduces, ameliorates or controls belt sag at or near the weigh frame and thus reduces errors that are otherwise introduced by relative material movement or other non-linear dynamic effects along the conveyor belt.

FIGURE 3A



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.6267/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING AN ACTUATABLE RESTRAINT DEVICE USING A SIDE PRESSURE SENSOR

(51) International classification	:B60R 21/01	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/390,081	<b>1)TRW AUTOMOTIVE U.S.LLC</b>
(32) Priority Date	:20/02/2009	Address of Applicant :12001 TECH CENTER DRIVE
(33) Name of priority country	:U.S.A.	LIVONIA, MI 48336 (US) U.S.A.
(86) International Application No	:PCT/US2010/024275	(72) <b>Name of Inventor :</b>
Filing Date	:16/02/2010	<b>1)FOO, CHEK-PENG</b>
(87) International Publication No	:WO 2010/096374	<b>2)YEH, HUAHN-FERN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)THANAPATHOMSINCHAI, SUTHEP</b>
Filing Date	:NA	<b>4)IRWAN, ROSALIN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for controlling an actuatable occupant restraint device of a vehicle comprises a central crash accelerometer that senses crash acceleration at a vehicle location and that, provides a first crash acceleration signal indicative thereof. A side pressure sensor senses pressure in a chamber disposed at a side of the vehicle and provides a side pressure signal indicative thereof. A controller actuates the actuatable occupant restraint device in response to the first crash acceleration signal and the side pressure signal. The controller determines a first moving average of acceleration value comprising a moving average of acceleration in a direction generally perpendicular to a longitudinal axis of the vehicle determined from the first crash acceleration signal. The controller determines a change in pressure value comprising a change in pressure in the chamber determined from the side pressure signal. The controller actuates the actuatable occupant restraint device when both the first moving average of acceleration value exceeds a first threshold and the change in pressure value exceeds a second threshold.

No. of Pages : 35 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6403/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR DETECTING AIR PRESSURE NEUTRALITY IN AIR CONTAINMENT ZONES

(51) International classification

:H03K

(31) Priority Document No

:12/361,055

(32) Priority Date

:28/01/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2009/068913

Filing Date

:21/12/2009

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

An airflow detecting system includes a tubular structure (34) having an inner surface (36) defining an interior of the tubular structure one open end (40) and an opposite open end (42). The tubular structure is configured to receive and expel air through both the one end and the opposite end. The system further includes a flap (48) connected to the inner surface of the tubular structure by a hinge (50). The flap is configured to impede airflow within the interior of the tubular structure upon the application of differential pressure across the two ends of the tubular structure. The system further includes a device (52) attached to the flap in a position in which the device spans the hinge.

No. of Pages : 38 No. of Claims : 36

(71)Name of Applicant :

**1)AMERICAN POWER CONVERSION CORPORATION**

Address of Applicant :132 Fairgrounds Road West Kingston RI 02892 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)Bean John H. Jr.**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6404/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SELECTION DEVICE

(51) International classification	:H03K
(31) Priority Document No	:2009-279805
(32) Priority Date	:09/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059211
Filing Date	:31/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Trigence Semiconductor Inc.

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Tokyo 1020074 JAPAN

(72)Name of Inventor :

1)YASUDA Akira

2)OKAMURA Jun-ichi

(57) Abstract :

Provided is a selection device including an acquisition section for acquiring digital selection signals and an output section for outputting selection signals to respective unit cells each unit cell capable of being commanded to output the value zero. The selection device is characterized in that: each selection signal is for commanding the unit cell to output a value corresponding to that selection signal; the sum of the values to be output as commanded by the respective selection signals which are output to the respective unit cells is a value determined in association with the digital selection signal; and if the output corresponding to the digital selection signal is the value zero then selection signals each commanding to output a non-zero value (N) are output to some of the unit cells.

No. of Pages : 54 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5974/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : REMOTE BABYSITTING MONITOR

(51) International classification	:G06Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/146,664	<b>1)ASER RICH LIMITED</b>
(32) Priority Date	:23/01/2009	Address of Applicant :62 PORTLAND AVENUE, LONDON
(33) Name of priority country	:U.S.A.	N 16, 6EA GREAT BRITAIN. U.K.
(86) International Application No	:PCT/IL2010/000057	(72) <b>Name of Inventor :</b>
Filing Date	:24/01/2010	<b>1)SHERF, PINHAS</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 herein disclosed provides means and methods for monitoring the condition of infants, young children, the elderly and the incapacitated from a remote location simply and efficiently and can be regarded as a remote babysitting system. A system for monitoring remote locations comprising a telephonic device adapted to pick up the line automatically when called by a caller, said telephonic device being acoustically coupled to its surroundings, wherein said caller may listen to said surroundings from a remote location is herein described.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5975/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ANTI-CD 160 MONOClonAL ANTIBODIES AND USES THEREOF

(51) International classification	:C07K 16/28
(31) Priority Document No	:09305057.3
(32) Priority Date	:21/01/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/050694
Filing Date	:21/01/2010
(87) International Publication No	:WO 2010/084158
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MONOCLONAL ANTIBODIES THERAPEUTICS**  
Address of Applicant :GENOPOLE CAMPUS 1, 5 RUE HENRI DESBRUERES, F-91000 EVRY, FRANCE  
**2)INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)**

(72)Name of Inventor :

**1)DIDIERLAURENT, DENIS**  
**2)CHOSE, OLIVIER**  
**3)KADOUCHE, JEAN**

(57) Abstract :

The present invention concerns an antibody or fragment thereof, capable of binding to CD 160, said antibody comprising a) a light chain comprising three light chain complementary regions (CDRs) having the following amino acid sequences: (i) the light chain CDRI : QSI SNH (SEQ ID NO: 1), (ii) the light chain CDR2: YAS, (iii) the light chain CDR3: QQ SNSWPLT (SEQ ID NO: 2), and a light chain framework sequence from an immunoglobulin light chain; and b) a heavy chain comprising three heavy chain complementary regions (CDRs) having the following amino acid sequences: (i) the heavy chain CDRI : GYTFTDYW (SEQ ID NO: 3), (ii) the heavy chain CDR2: IYPGDDDA (SEQ ID NO: 4); (iii) the heavy chain CDR3: ARRGIAAVVGGFDY (SEQ ID NO: 5); and a heavy chain framework sequence from an immunoglobulin heavy chain; a pharmaceutical comprising said antibody and the use of said antibody for preparation of a medicament for treating and/or preventing a pathology associated with endothelial cells proliferation engaged in an angiogenesis process.

No. of Pages : 39 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.6274/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MULTI-ACCESS BLANKET

(51) International classification	:A47G 9/02
(31) Priority Document No	:12/379,259
(32) Priority Date	:18/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/000451
Filing Date	:17/02/2010
(87) International Publication No	:WO 2010/096162
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SMITHS MEDICAL ASD, INC.**

Address of Applicant :160 WEYMOUTH STREET,  
ROCKLAND, MASSACHUSETTS 02370, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

**1)JOSEPH PIERRE**

**2)RACHEL STARR**

**3)ALAN STEC**

---

(57) Abstract :

A convective warming blanket has a head portion and a plurality of peripheral sections extending orthogonally from each side of a central section that extends uninterrupted from a proximal end below the head portion to a distal foot end of the blanket. Each peripheral section is separable from its adjacent peripheral section by a frangible or tearable common seal. At least one through passage connects each peripheral section to the central section, so that the peripheral sections are inflated when heated air is input to the blanket. The multiple peripheral sections each are movable relative to the central section, so that different body parts of the - patient may be selectively accessed. The head portion of the blanket is formed by two tubular sections that extend from the proximal portion of the blanket to encircle the head of the patient, when the blanket is placed over the patient.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.6410/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ANTIBODIES CONTAINING THERAPEUTIC TPO/EPO MIMETIC PEPTIDES

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(51) International classification	:C07K 19/00
(31) Priority Document No	:61/208,487
(32) Priority Date	:24/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024546
Filing Date	:18/02/2010
(87) International Publication No	:WO 2010/099019
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)ALEXION PHARMACEUTICALS, INC.

Address of Applicant :352 KNOTTER DRIVE, CHESHIRE,  
CT 06410, U.S.A

(72)Name of Inventor :

1)JEREMY P. SPRINGHORN

2)DAVID GIES

(57) Abstract :

The present disclosure features therapeutic antibodies (e.g., TPO mimetic antibodies) and therapeutically-active fragments thereof as well as methods for preparing and using the antibodies and fragments. For example, the therapeutic antibodies and their fragments are useful in a variety of diagnostic and/or therapeutic applications such as methods for increasing platelet levels in a subject.

No. of Pages : 83 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.6411/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : TREATMENT FLUIDS COMPRISING RELATIVE PREMEABILITY MODIFIERS AND METHODS OF USE

(51) International classification	:C09K 8/536
(31) Priority Document No	:12/380,120
(32) Priority Date	:24/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/000314
Filing Date	:23/02/2010
(87) International Publication No	:WO 2010/097573
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)HALLIBURTON ENERGY SERVICES, INC.**

Address of Applicant :P.O BOX 1431, DUNCAN,  
OKLAHOMA 73536 (US) U.S.A.

(72)**Name of Inventor :**

**1)TODD, BRADLEY, L**

(57) Abstract :

Treatment fluids for and methods of treating subterranean formations are provided. In certain embodiments, a method is provided comprising providing a treatment fluid comprising a relative permeability modifier, a delayed filter cake breaker, and a carrier fluid, contacting at least a portion of a filter cake in a subterranean formation with the treatment fluid, and removing at least a portion of the filter cake.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6304/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A WEAR-RESISTING STRUCTURE AT THE INTERFACE BETWEEN THE COAL-FEED TUBE AND THE FURNACE

(51) International classification	:B64C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:CN 200920214466.6	<b>1)Shanghai Boiler Works Ltd</b>
(32) Priority Date	:30/11/2009	Address of Applicant :250 Huaning Road Minhang District
(33) Name of priority country	:China	Shanghai P.R. CHINA
(86) International Application No	:PCT/CN2010/001893	(72) <b>Name of Inventor :</b>
Filing Date	:26/11/2010	<b>1)LIU Yi</b>
(87) International Publication No	: NA	<b>2)LIU Jianbin</b>
(61) Patent of Addition to Application Number	:NA	<b>3)YIN Shuanglin</b>
Filing Date	:NA	<b>4)HU Mingwang</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wear-resisting structure at the interface between the coal-feed tube and the furnace according to the present invention is consisted of a wear-proof refractory material layer and a wear-resisting metal tube. The wear-proof refractory material layer mentioned above is built on the interior walls of the coal-feed tube and extends from the fuel inlet of the coal-feed tube to the furnace. The wear-proof refractory material layer inside the furnace coats the water wall tube; the wear-resisting metal tube locates on the inner wall of the wear-proof refractory material layer which extends from the fuel inlet of the coal-feed tube to the opening of the furnace. This invention has provided a wear-resisting structure at the interface between the coal-feed tube and the furnace which is able to successfully strengthen the abrasion resistance effectively and then solve the problem that the wear-resisting materials at the interface between the coal-feed tube.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6305/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A SEALING BOX

(51) International classification	:B64C
(31) Priority Document No	:CN 200910216949.4
(32) Priority Date	:28/12/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/001895
Filing Date	:26/11/2010
(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)Shanghai Boiler Works Ltd**

Address of Applicant :250 Huaning Road Minhang District  
Shanghai P.R. CHINA

(72)Name of Inventor :

**1)LI Li**

**2)XUE Lingyun**

**3)ZHAO Jinggang**

(57) Abstract :

A sealing box according to the present invention consists of a tube panel a first comb-shaped plate a second comb-shaped plate and a cover plate. The first comb-shaped plate comprises a comb-shaped bottom section and a rectilinear bottom section that is connected with the comb-shaped bottom section. The second comb-shaped plate comprises a comb-shaped bottom section a rectilinear bottom section that is connected with the comb-shaped bottom section and a cut for casting the refractory being set on the comb-shaped bottom section. After the first comb-shaped plate has been joined with the second comb-shaped plate they will be set on the tube panel by welding. The cover plate is sealed with the first comb-shaped plate and the second comb-shaped plate by welding. The sealing box is convenient for the site welding by altering the structure in the present invention.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/08/2011

(21) Application No.6600/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND PROCESSING MATERIALS IN A DRUM APPARATUS AND AN APPARATUS FOR IMPLEMENTING THE METHOD

(51) International classification	:B09B 3/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/RU2009/000060	<b>1)VIL'CHECK, SERGEI YUR'EVICH</b>
(32) Priority Date	:11/02/2009	Address of Applicant :OF UL. TITOVA 11. KV. 54, G.
(33) Name of priority country	:PCT	NOVOSIBIRSK, 630054, RUSSIA
(86) International Application No	:PCT/RU2009/000060	(72) <b>Name of Inventor :</b>
Filing Date	:11/02/2009	<b>1)VIL'CHECK, SERGEI YUR'EVICH</b>
(87) International Publication No	:WO 2010/011157	
(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 material processing, in particular to a method and a device for processing agricultural waste. The inventive method involves supplying original raw material, inert filler parts and a gas agent to a sectional drum-type apparatus provided with passage openings in the partitions between sections thereof. The apparatus is put in action and the gas agent through flow is formed through the apparatus. Each section of the drum is loaded with the inert filler parts to a level which is not lower than the edges of the passage openings in the partitions at any operating position of the drum. An active area, in which the original raw material is poured or falls at a desired rate and / or time in such a way that it moves between of the filler parts and / or the surfaces thereof, is formed on the path of the gas agent flow. Moreover, the time and / or the intensity of interaction between the original raw material and the gas agent is adjusted. The invention makes it possible to intensify the interaction between substances in the similar or different aggregate states thereof and to extend the number of processing operations and the types of materials to be processed.

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6660/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ARYLALENYL ETHER OLIGOMERS AND POLYMERS AND THEIR USE IN THE PRODUCTION OF FLAME RETARDANTS

(51) International classification	:C08G 65/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/218,150	<b>1)CHEMTURA CORPORATION</b>
(32) Priority Date	:18/06/2009	Address of Applicant :199 BENSON ROAD,
(33) Name of priority country	:U.S.A.	MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF
(86) International Application No	:PCT/US2010/038618	AMERICA
Filing Date	:15/06/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/147946	<b>1)FRANK J. LIU</b>
(61) Patent of Addition to Application Number	:NA	<b>2)KENNETH BOL</b>
Filing Date	:NA	<b>3)MARK V. HANSON</b>
(62) Divisional to Application Number	:NA	<b>4)LARRY D. TIMBERLAKE</b>
Filing Date	:NA	

(57) Abstract :

An arylalkenyl ether oligomer is produced by the reaction of a polyhaloalkene with a polyhydroxyaryl compound. Halogenation of the resultant oligomer produces a flame retardant having both aromatic and aliphatic bromine groups.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5960/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LAYER STRUCTURE AND FILMS FOR ID DOCUMENTS HAVING IMPROVED PROPERTIES FOR LASER ENGRAVING

(51) International classification	:B32B 27/18
(31) Priority Document No	:09001477.0
(32) Priority Date	:04/02/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/000409
Filing Date	:23/01/2010
(87) International Publication No	:WO 2010/089035
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)**Name of Inventor :**

**1)HEINZ PUDLEINER**

**2)MEHMET-CENGIZ YESILDAG**

**3)GEORGIOS TZIOVARAS**

**4)JOERG NICKEL**

**5)KLAUS MEYER**

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(57) Abstract :

The present invention relates to a layer structure having improved properties for laser engraving, to particular em-bodiments of said layer structures in the form of co-extrusion films, and to security documents, preferably identification docu-ments comprising said layer structures.

No. of Pages : 35 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5963/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ASSEMBLIES CONTAINING POLYETHERKETONEKETONE TIE LAYERS

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(51) International classification	:C08G 10/00
(31) Priority Document No	:61/150,128
(32) Priority Date	:05/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023131
Filing Date	:04/02/2010
(87) International Publication No	:WO 2010/091136
(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)ARKEMA INC.**

Address of Applicant :900 FIRST AVENUE, KING OF PRUSSIA, PENNSYLVANIA 19406, U.S.A

(72)Name of Inventor :

**1)CHRISTOPHER A. BERTELO**

**2)GREGORY S. O'BRIEN**

(57) Abstract :

Tie layers comprised of amorphous polyetherketoneketone are used to join substrates to form laminates and other assemblies.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.6116/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : EXPANDED FOOD PRODUCT AND PROCESS OF PREPARATION•

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(51) International classification	:A23C
(31) Priority Document No	:0900551.3
(32) Priority Date	:14/01/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050048
Filing Date	:14/01/2010
(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 :

**1)HORTON Richard**

Address of Applicant :6 Osborne Drive Belfast Antrim BT9  
6LG UNITED KINGDOM

(72)Name of Inventor :

**1)HORTON Richard**

(57) Abstract :

One or more of hydrolysed wheat flour soluble dietary fibre prebiotic dietary fibre polydextrose and soluble corn fibre ate used as basic matrix-forming ingredients in an expanded food product. The matrix-forming ingredients are mixed together with water plus a whey protein isolate or whey protein concentrate to increase the protein content of the food. A dough is formed which is then formed into pieces which are temperature conditioned before being expanded under a vacuum caused by evaporation of moisture in the dough. All steps of the process of making the expanded food products including any subsequent drying is carried out at a temperature ..

No. of Pages : 38 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.6259/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOSITIONS AND METHODS COMPRISING ALPHA-AMYLASE VARIANTS WITH ALTERED PROPERTIES

(51) International classification	:C12N 9/28	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/165,813	1)DANISCO US INC. Address of Applicant :925 PAGE MILL ROAD, PALO ALTO, CALIFORNIA 94304 U.S.A.
(32) Priority Date	:01/04/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:U.S.A.	1)ESTELL DRAVID A. 2)JONES BRIAN E. 3)KOLKMAN MARC 4)ADAMS CHRISTIAN D. 5)CONCAR EDWARD M.
(86) International Application No	:PCT/US2010/029659	
Filing Date	:01/04/2010	
(87) International Publication No	:WO 2010/115021	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described are compositions and methods relating to variant alpha-amylases having altered biochemical properties and advantageous performance characteristics as compared to a reference alpha-amylase. The variants are suitable for use in various industrial applications such as starch conversion, ethanol production, laundry, dishwashing, pulp and paper production, textile desizing, and/or sweetener production.

No. of Pages : 294 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6392/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MECHANICAL PYROLYSIS IN A SHEAR RETORT

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(51) International classification	:F23N
(31) Priority Document No	:13/016,328
(32) Priority Date	:28/01/2011
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/041284
Filing Date	:21/06/2011
(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)MCCUTCHEN CO.

Address of Applicant :2444 S.E. Tibbetts Street Portland OR 97202 U.S.A

(72)Name of Inventor :

1)Wilmot H. McCUTCHEN

2)David J. McCUTCHEN

---

(57) Abstract :

Mechanical visbreaking and pyrolysis between counter-rotating coaxial centrifugal impellers in a continuous radial counterflow process minimizes wastewater discharges. In an embodiment a cataclastic shear retort comminutes shear thins and shear heats an axial feed such as tar sand oil shale coal tailings distillation bottoms or lignite.....

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6648/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR PANCREATIC TISSUE REGENERATION

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(51) International classification	:A61K 39/395
(31) Priority Document No	:61/148,701
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022610
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/088534
(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)BIOGEN IDEC MA INC.**

Address of Applicant :OF 14 CAMBRIDGE CENTER,  
CAMBRIDGE, MASSACHUSETTS 02142, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

**1)LINDA BURKLY**

(57) Abstract :

Disclosed are methods of expanding populations of pancreatic cells or inducing the generation of pancreatic pro-genitor cells in a subject or in culture using a therapeutically effective amount of a TWEAK receptor agonist. These methods may be used to treat diseases or conditions where enhancement of pancreatic progenitor cells for cell replacement therapy is desirable, including, e.g., diabetes and conditions that result in loss of all or part of the pancreas

No. of Pages : 84 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/08/2011

(21) Application No.6651/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SORTING CONVEYOR•

(51) International classification	:H01P
(31) Priority Document No	:10 2009 009 044.4
(32) Priority Date	:16/02/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2009/001785
Filing Date	:18/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BEUMER GMBH & CO. KG**

Address of Applicant :Oelder Strasse 40 59269 Beckum  
GERMANY

(72)Name of Inventor :

**1)HEITPLATZ Heino**

(57) Abstract :

A sorting conveyor with a series of cars (2) linked together in an articulated way which are guided and capable of traveling along a track (4) and each of which has a guide unit (8) and a carrier unit (10) linked to it in an articulated way wherein each guide unit (8) has in matching longitudinal positions on each side an idler (16) for co-operating with the track (4) and wherein each idler (4) has associated with it two guide rollers (18) a first one of which is disposed in a first longitudinal position spaced apart in front of the respective idler (16) and a second one of which is disposed in a second longitudinal position spaced apart behind the respective idler (16) wherein between the guide unit (8) and the carrier unit (10) of each car (2) there is disposed a coupling hinge (12) which is ...

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6405/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MULTIMODAL POLYMER OF PROPYLENE COMPOSITION CONTAINING THE SAME AND A PROCESS FOR MANUFACTURING THE SAME

(51) International classification

:H03K

(31) Priority Document No

:09153581.5

(32) Priority Date

:25/02/2009

(33) Name of priority country

:EPO

(86) International Application No

:PCT/EP2010/052341

Filing Date

:24/02/2010

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

1)BOREALIS AG

Address of Applicant :Wagramer Strasse 17-19 A-1220 Vienna AUSTRIA

(72)Name of Inventor :

1)BERGSTRA Michiel

2)MALM Bo

3)H,T-NEN Jari

4)ERIKSSON Erik

5)FOLLESTAD Arild

6)LESKINEN Pauli

---

(57) Abstract :

The present invention aims to provide a multimodal polymer of propylene comprising a matrix of semicrystalline polymer and a rubber (0) dispersed in said matrix the multimodal polymer comprising units derived from propylene of from 85 to 99 % by weight and units derived from ethylene or C4 to C10 alpha-olefins of from 1 to 15 % by weight.

No. of Pages : 38 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6406/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPROVED PERFORATED LID FOR CONTAINERS FOR COOKING FOOD

(51) International classification	:H03K
(31) Priority Document No	:RM2009A000046
(32) Priority Date	:02/02/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IT2010/000027
Filing Date	:29/01/2010
(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 :

1)BY ME S.r.l.

Address of Applicant :Via Congiunte Sinistre No. 18 04100  
Latina ITALY

(72)Name of Inventor :

1)FERRARI Luciano

2)FERRARI Marco

(57) Abstract :

The present invention concerns an improved perforated lid (10) for containers for cooking foods comprising holes (15) for the passage of vapour and gas going upwards and of condensed vapour going downwards and means for cooling and condensing vapour passing through said holes and means for supporting said means for cooling vapour wherein said means for cooling vapour are made of a sequence starting from the container for cooking foods and going upwards comprised of a perforated lower plate (11) at least one perforated intermediate plate (12) and an upper plate (13) that is not perforated and said means for supporting said means for cooling vapour are made of a lower spacing element (16) positioned between said lower plate (11) and said intermediate plate (12) and of an upper spacing element (18) positioned between said intermediate plate (12) and said upper plate (13).

No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6407/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CONTROL SIGNALING FOR TRANSMISSIONS OVER CONTIGUOUS AND NON-CONTIGUOUS FREQUENCY BANDS

(51) International classification	:H03K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/148,682	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:30/01/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 442-742 REPUBLIC OF KOREA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/000547	<b>1)PAPASAKELLARIOU Aris</b>
Filing Date	:29/01/2010	<b>2)CHO Joon-Young</b>
(87) International Publication No	: NA	<b>3)LEE Ju-Ho</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatus are provided for constructing scheduling assignments for transmission by a User Equipment (UE) of data signals over a single contiguous bandwidth and multiple non-contiguous clusters of contiguous bandwidth. The scheduling assignments for each transmission structure are designed to always result into the same maximum number of decoding operations the UE needs to perform to receive the scheduling assignments. The data signal transmission over the single contiguous bandwidth can be with or without frequency hopping and the data signal transmission over the multiple non-contiguous clusters of contiguous bandwidth may always be without frequency hopping.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6408/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PRESCAN OF AN OBJECT WITH THE OBJECT IN MOTION AND SUBSEQUENT LOCALIZED SCAN OF THE OBJECT WITH THE OBJECT AT REST

(51) International classification	:H03K
(31) Priority Document No	:0901283.2
(32) Priority Date	:27/01/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050079
Filing Date	:21/01/2010
(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 :**

**1)KROMEK LIMITED**

Address of Applicant :NetPark Incubator Thomas Wright Way Sedgefield Durham TS21 3FD UNITED KINGDOM

(72)**Name of Inventor :**

**1)RADLEY Ian**

**2)JOYCE David Edward**

**3)SENIOR Martin**

---

(57) Abstract :

A two step method of scanning objects to gain information about material content comprises the steps of providing a radiation source and a radiation detector system spaced therefrom to define a scanning zone therebetween. In a first scanning step an object is moved relative to the source and detector system intensity information about radiation incident at the detector system after interaction with the object as it passes through the scanning zone is collected variation of intensity as the object moves through the scanning zone is used to identify anomalous structures and / or absence of homogeneity in the object.In a second subsequent scanning step an object is located in fixed position in the scanning zone and collecting intensity information collected analysed against a suitable functional relationship relating transmitted to incident intensity and the results compared with a library of suitable data to provide an indication of material content.

No. of Pages : 40 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/08/2011

(21) Application No.6202/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR ADJUSTING THE FLOW RATE OF CHARGE MATERIAL IN A CHARGING PROCESS OF A SHAFT FURNACE

(51) International classification	:C21B 7/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:91 525	<b>1)PAUL WURTH S.A</b>
(32) Priority Date	:11/02/2009	Address of Applicant :32, RUE D'ALSACE, L-1122
(33) Name of priority country	:Luxembourg	LUXEMBOURG.
(86) International Application No	:PCT/EP2010/051748	(72) <b>Name of Inventor :</b>
Filing Date	:11/02/2010	<b>1)TOCKERT, PAUL</b>
(87) International Publication No	:WO 2010/092132	<b>2)BREDEN, EMILE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LONARDI, EMILE</b>
Filing Date	:NA	<b>4)MEYER, DAMIEN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a charging process of a shaft furnace, in particular of a blast furnace, batches of charge material are typically discharged in cyclical sequence into the furnace from a top hopper using a flow control valve. A method and system is proposed for adjusting the flow rate of charge material in such a process. Pre-determined valve characteristics for certain types of material are provided, each indicating the relation between flow rate and valve setting for one type of material. According to the invention, a specific valve characteristic is stored for each batch of charge material, each specific valve characteristic being bijectively associated to one batch and indicating the relation between flow rate and valve setting of the flow control valve specifically for the associated batch. In relation to discharging a given batch of the sequence the invention proposes: using the stored specific valve characteristic associated to the given batch for determining a requested valve setting corresponding to a flow rate setpoint and using the requested valve setting to operate the flow control valve; determining an actual average flow rate for the discharge of the given batch; correcting the stored specific valve characteristic associated to the given batch in case of a stipulated deviation between the flow rate setpoint and the actual average flow rate.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/01/2010

(21) Application No.668/DELNP/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HETEROGENEOUS WIRELESS AD HOC NETWORK

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(51) International classification	:H04W 88/04
(31) Priority Document No	:60/956,658
(32) Priority Date	:17/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/073409
Filing Date	:16/08/2008
(87) International Publication No	:WO 2009/026192
(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)QUALCOMM INCORPORATED**

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(72)**Name of Inventor :**

**1)KRISHNASWAMY DILIP**

**2)SURI ATUL**

(57) Abstract :

A heterogeneous wireless ad-hoc network includes a server and a number of ad-hoc service providers that provide connectivity to a network for mobile clients. The mobile client is configured to search for ad-hoc service providers with wireless backhauls to the network and associate with one of the ad-hoc service providers detected in the search based on one or more parameters.

No. of Pages : 63 No. of Claims : 104

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/09/2011

(21) Application No.6898/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FOCUS INFORMATION GENERATING DEVICE AND FOCUS INFORMATION GENERATING METHOD

(51) International classification	:G02B 21/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009/064763	<b>1)SONY CORPORATION</b>
(32) Priority Date	:17/03/2009	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/053705	<b>1)KOICHIRO KISHIMA</b>
Filing Date	:01/03/2010	<b>2)YUHIRONO</b>
(87) International Publication No	:WO 2010/106927	<b>3)TAKAMICHI YAMAKOSHI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

It is possible to generate image data of a biological tissue in a short time. A focus information generating device (2) receives a first reflected light beam (Lrl) split from a reflected light beam (Lr) and a second reflected light beam (Lr2) passing through a pin-hole plate (36). A signal processing unit (13) calculates a uniform reflectance (RE) representing a light amount ratio of the second reflected light beam (Lr2) to the first reflected light beam (Lrl) along with a sum signal (SS) and a difference signal (SD) . An integrated control unit (11) detects a position (Zl) corresponding to a top surface (104A) of a cover glass (104) on the basis of the sum signal (SS) and the difference signal (SD) and detects a position (Z3) representing a biological tissue (102) on the basis of the sum signal (SS) and the uniform reflectance (RE). As a result, the integrated control unit (11) can calculate a cover distance (DM) from the top surface (104A) of the cover glass (104) to the biological tissue (102) in a pathology glass slide (100) on the basis of the positions (Zl) and (Z3).

No. of Pages : 72 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/09/2011

(21) Application No.6899/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DISC-SHAPED RECORDING MEDIUM, OPTICAL SPOT POSITION CONTROL DEVICE, AND OPTICAL SPOT POSITION CONTROL METHOD

(51) International classification	:G11B 7/09	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2009-062488	<b>1)SONY OPTIARC INC.</b>
(32) Priority Date	:16/03/2009	Address of Applicant :11-1, OSAKI 1-CHOME, SHINAGAWA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/054281	<b>1)JUNICHI HORIGOME</b>
Filing Date	:09/03/2010	
(87) International Publication No	:WO 2010/106987	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a case of performing recording/playing with an information recording layer with a first light irradiation, and controlling the recording/playing positions on the information recording layer by a second light irradiating as to a position control information recording layer provided separately from the information recording layer, corrections to shifts in recording positions and playing positions that occurs as a result of shifts in the optical axes of the first and second lights. A disc-shaped recording medium has multiple pit row phases wherein, the pit rows having a spacing between one round of pit formable positions that is limited to a predetermined first spacing are formed in a spiral shape or concentrically, and with pit rows arrayed in the radius direction, the spacing in the pit row forming direction of the pit formable positions is set to positions shifted by a predetermined second spacing. Therefore multiple pit rows can be arrayed in within the width of one conventional track, and a tracking servo can be used for the selected pit rows in accordance with the correction amount of the playing position, in which case corrections can be made with high precision that is narrower than one track width.

No. of Pages : 178 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5991/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : QUICKLY SOLUBLE ORAL FILM DOSAGE CONTAINING STEVIOSIDES AS A UNPLEASANT TASTE MASKING AGENT

(51) International classification	:G01J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0057276	<b>1)CHABIO &amp; DIOSTECH CO. LTD.</b>
(32) Priority Date	:25/06/2009	Address of Applicant :151-21 Buk-ri Namsa-myeon Cheoin-gu Yongin-si Gyeonggi-do 449-884 REPUBLIC OF KOREA.
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/004020	<b>1)PARK Jin-Kyu</b>
Filing Date	:22/06/2010	<b>2)YANG Won-Suk</b>
(87) International Publication No	: NA	<b>3)JUNG Kyoung Tae</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a quickly soluble oral film dosage for masking a nasty taste, in particular, a quickly soluble oral film dosage comprising a stevioside based sweetener and a high potency sweetener in a ratio by weight (w/w) of 1:3 to 3:1, which may efficiently mask a bitter or nasty taste of a medicine and may be quickly dissolved in a mouth without water, thereby improving an aftertaste thereof thus enhancing dosage acceptability of a patient.

No. of Pages : 50 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/08/2011

(21) Application No.5992/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CALIPER BODY FOR DISC BRAKE FOR VEHICLE

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(51) International classification	:B23B
(31) Priority Document No	:2009-029348
(32) Priority Date	:12/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/051925
Filing Date	:10/02/2010
(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)NISSIN KOGYO CO. LTD.

Address of Applicant :840 Kokubu Ueda-shi Nagano  
3860016 JAPAN.

(72)Name of Inventor :

1)HIRAMORI Yoichi

2)KUSANO Toshihiro

(57) Abstract :

There is provided a caliper body for a two system-type disc brake for a vehicle, which is reduced in size and has an improved air bleeding property by employing a simple structure. [Approach] In the caliper body 6 for the two-system disc brake 1 for the vehicle, a communication path 23a, which connects cylinder holes 11 and 13 for a first brake system, and a first bleeder hole 60 are formed rectilinearly on an outside, in a disc radius direction,.....

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.6420/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RECYCLED BUTYL IONOMERS AND RECYCLING PROCESSES

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(51) International classification	:C08L 32/22
(31) Priority Document No	:61/152,419
(32) Priority Date	:13/02/2009
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2010/000158
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/091498
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)LANXESS INC.**

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(72)**Name of Inventor :**

**1)DANA A.ADKINSON**

**2)RAYNER KRISTA**

**3)KEVIN KULBABA**

(57) Abstract :

A process for recycling a molded article comprising an uncured butyl ionomer material, the process comprising: a. converting the article to particles having an average size of at most 50 mm; b. heating the particles to a temperature of from 80 to 200 °C; c. exposing the particles to shear mixing conditions for at least 10 seconds; and, d. cooling the resulting mixture to ambient temperature.

No. of Pages : 37 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/09/2011

(21) Application No.6911/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TREATING CHRONIC FATIGUE SYNDROME AND PROLONGED QT INTERVAL

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(51) International classification	:A61K 31/7105
(31) Priority Document No	:61/160,290
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000718
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/104571
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)**Name of Applicant :**

**1)HEMISPHERX BIOPHARMA, INC.**

Address of Applicant :ONE PENN CENTER, 1617 JFK BOULEVARD, PHILADELPHIA, PA 19103, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)STRAYER, DAVID**

**2)CARTER, WILLIAM A.**

(57) Abstract :

Chronic fatigue syndrome and prolonged QT interval are treated using one or more different double-stranded ribonucleic acids (dsRNA).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/09/2011

(21) Application No.6913/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CONNECTION SHEET FOR SOLAR BATTERY CELL ELECTRODE, PROCESS FOR MANUFACTURING SOLAR CELL MODULE, AND SOLAR CELL MODULE

(51) International classification	:H02G
(31) Priority Document No	:2009-057580
(32) Priority Date	:11/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053604
Filing Date	:05/03/2010
(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)SHIN-ETSU CHEMICAL CO., LTD.**

Address of Applicant :6-1, OHTEMACHI 2-CHOME,  
CHIYODA-KU, TOKYO 100-0004, JAPAN

(72)**Name of Inventor :**

**1)SYUICHI AZECHI**

**2)IKUO SAKURAI**

**3)MASAKATSU HOTTA**

**4)TAKESHI HASHIMOTO**

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(57) Abstract :

Disclosed is a connection sheet for a solar battery cell electrode, which is a polymer sheet for use in the connection between an electrode for extracting an electric power from a solar battery cell and a wiring member through an electrically conductive adhesive material by heating and pressurizing, and which is intercalated between a heating/pressurizing member and the wiring member upon use.

No. of Pages : 47 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7087/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTILAYER PROPYLENE RESIN SHEET AND HEAT - TREATABLE PACKAGING MATERIAL USIING SAME

(51) International classification	:B32B 27/32	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-063803	<b>1)JAPAN POLYPROPYLENE CORPORATION</b>
(32) Priority Date	:17/03/2009	Address of Applicant :14-1 SHIBA 4-CHOME, MINATO-KU, TOKYO 108-0014 (JP) Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/054363	<b>1)KADOWAKI, YUJI</b>
Filing Date	:15/03/2010	<b>2)KANAI, GEN</b>
(87) International Publication No	:WO 2010/107003	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a multilayer sheet and a heat-treatable packaging material which have excellent flexibility, transparency, impact resistance, heat resistance, heat-sealability and cleanliness, which are endowed with a good formability without readily incurring drawbacks such as external defects and thickness fluctuations when subjected to multilayer formation, and which, even at a reduced thickness, have an excellent sheet substrate strength decrease-inhibiting effect. The multilayer sheet is a multilayer propylene resin sheet composed of at least two layers of an inner layer (1) and an outer layer (2), wherein the inner layer (1) is made of a resin composition (X) containing from 60 to 90 wt% of (A) a propylene resin composition which includes from 30 to 70 wt% of (A1) a specific propylene- -olefin random copolymer component and from 70 to 30 wt% of (A2) a propylene-ethylene random copolymer component, from 40 to 10 wt% of (B) an ethylene- -olefin copolymer, and from 1 to 25 wt% of (C) a propylene resin, and the outer layer (2) is made of a specific propylene resin composition Y. The heat-treatable packaging material can be obtained from the multilayer propylene resin sheet.

No. of Pages : 281 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6313/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD OF RAISING THE FLASH POINTS AND IMPROVING THE FREEZE RESISTANCE OF VOLATILE GREEN SOLVENTS

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/361,802	<b>1)GREENSOLVE LLC</b>
(32) Priority Date	:29/01/2009	Address of Applicant :117 Fredericks Street Binghamton
(33) Name of priority country	:U.S.A.	New York 13902 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/021350	(72) <b>Name of Inventor :</b>
Filing Date	:19/01/2010	<b>1)Harry W. HOWARD</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of raising the flash point of a green solvent by adding from about 0.05 to 5.0 wt.% of at least one alpha terpine alcohol (alpha terpineol) based on the weight of the at least one alpha terpine alcohol and the green solvent. Green solvents are derived from organic matter such as plants. They are not the product of petroleum freed stocks. Preferably two alpha terpine alcohols are added to the green solvent. Further the addition of at least one alpha terpine alcohol improves both the freeze resistance and the shelf life of the final green solvent solution.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6314/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INHALER

(51) International classification	:A61B
(31) Priority Document No	:0901520.7
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/050790
Filing Date	:25/01/2010
(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) VECTURA DELIVERY DEVICES LIMITED**  
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Wiltshire SN14 6FH UNITED KINGDOM

(72)Name of Inventor :

**1) WRIGHT Matthew Paul**  
**2) SHELDON Michael**  
**3) SARKAR Matthew**  
**4) MILIVOJEVIC Ivan**  
**5) CLARKE Roger William**  
**6) WILLIAMSON Emma Lesley**

(57) Abstract :

An inhalation device comprising a base having a slot for insertion of a single blister containing a dose of medicament to be inhaled into the base is disclosed. The inhaler has a mouthpiece pivotally mounted to the base which carries a blister piercing element operable to pierce a blister received in said slot when the mouthpiece is pivoted relative to the base. When a user inhales on the mouthpiece the dose is entrained in an airflow and flows out of the blister through the mouthpiece and into the user™s airway.

No. of Pages : 68 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6315/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THERMODYNAMIC POWER GENERATION SYSTEM

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(51) International classification	:F01D 1/22
(31) Priority Document No	:61/154,020
(32) Priority Date	:20/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024563
Filing Date	:18/02/2010
(87) International Publication No	:WO 2010/096540
(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)THERMAL POWER TECHNOLOGY LLC**

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(72)Name of Inventor :

**1)ROBERT F. WATERSTRIPE**

**2)GARY P. HOFFMAN**

**3)RICHARD L. WILLOUGHBY**

---

(57) Abstract :

A power generation system that includes a heat source loop that supplies heat to a turbine loop. The heat can be waste heat from a steam turbine, industrial process or refrigeration or air-conditioning system, solar heat collectors or geothermal sources. The heat source loop may also include a heat storage medium to allow continuous operation even when the source of heat is intermittent. In the turbine loop a working fluid is boiled, injected into the turbine, recovered condensed and recycled. The power generation system further includes a heat reclaiming loop having a fluid that extracts heat from the turbine loop. The fluid of the heat reclaiming loop is then raised to a higher temperature and then placed in heat exchange relationship with the working fluid of the turbine loop. The turbine includes one or more blades mounted on a rotating member. The turbine also includes one or more nozzles capable of introducing the gaseous working fluid, at a very shallow angle on to the surface of the blade or blades at a very high velocity. The pressure differential between the upstream and downstream surfaces of the blade as well as the change in direction of the high velocity hot gas flow create a combined force to impart rotation to the rotary member

No. of Pages : 43 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6316/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHOTOVOLTAIC POWER PLANT OUTPUT

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(51) International classification	:F01B 21/04
(31) Priority Document No	:61/152,345
(32) Priority Date	:13/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024240
Filing Date	:15/02/2010
(87) International Publication No	:WO 2010/094012
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)FIRST SOLAR, INC.**

Address of Applicant :28101 CEDAR PARK BOULEVARD,  
PERRYSBURG, OH 43551, U.S.A.

(72)Name of Inventor :

**1)KEVIN COLLINS**

**2)BRUCE CURTIS**

**3)ROBERT R. BALDWIN**

(57) Abstract :

A photovoltaic power system can include a photovoltaic array, an inverter, and a battery.

No. of Pages : 62 No. of Claims : 122

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7106/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MILKING SYSTEM FOR MAMMALS, PREFERABLY CATTLE, WHICH DISTINGUISHES WHEN THE MILK STOPS, INCLUDING A COLLECTOR, TEAT CUPS, AND TUBES

(51) International classification	:A01J 5/007	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:437-2009	<b>1)WILLIAM RONNIE USLAR VALENZUELA</b>
(32) Priority Date	:26/02/2009	Address of Applicant :JACOB 445, VILLA LOS PAJARITOS, MAIPU, SANTIAGO, CHILE
(33) Name of priority country	:Chile	<b>2)ALEJANDRO ROJAS SALAS</b>
(86) International Application No	:PCT/CL2010/000011	<b>3)LUIS ALBERTO JARA ESPINOZA</b>
Filing Date	:25/02/2010	<b>4)LUIS ALBERTO JARA SANTONI</b>
(87) International Publication No	:WO 2010/096945	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)WILLIAM RONNIE USLAR VALENZUELA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system that, when it is attached to mechanized milking equipment, automates such equipment, solves the subclinical mastitis by differentiating among each individual mammary quarter the time the teat cups must be removed after milk is over in an asynchronous and independent manner from the other teat cups. Minimized the negative consequences of over-milking as a results of not removing teat cups on time after the flow has stopped; reduces economic, financial and productivity problems arisen as a result of subclinical mastitis mainly caused by over-milking; thus improving the product quality and amount. Mastitis produces somatic cells in milk, the greater the amount of these cells the lower the price received by the producer. Damage to the mammary gland may be permanent resulting in the loss of the gland and may be contagious. The system includes teat cups, tubes, collector, discrete flow sensor, vacuum sensor, command control, software comprising as a part thereof the mammary quarters with physiological and anatomical characteristics thereof.

No. of Pages : 8 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.6249/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LIQUID DISPERSION AND THERMOPLASTIC COMPOSITIONS COMPRISING THE SAME

---

(51) International classification	:C085 5/1575
(31) Priority Document No	:61/157,998
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000557
Filing Date	:25/02/2010
(87) International Publication No	:WO 2010/101610
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MILLIKEN & COMPANY,**

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SPARTANBURG, SOUTH CAROLINA 29303, UNITED  
STATES OF AMERICA

(72)Name of Inventor :

**1)CHRISTOPHER KOCHANOWICZ**

**2)JIANNONG XU**

(57) Abstract :

An additive composition comprises a liquid medium and a clarifying agent. The liquid medium is either a liquid hydrocarbon or a surfactant having an HLB of about 6 or less. The clarifying agent is dispersed in the liquid medium. In certain particular embodiments, the additive composition comprises both the liquid hydrocarbon and the surfactant, with the liquid hydro-carbon providing the medium for the additive composition. A thermoplastic polymer composition comprises a thermoplastic polymer and an additive composition of the invention. A method for producing a thermoplastic polymer composition comprises the steps of providing a thermoplastic polymer, providing an additive composition, and mixing the thermoplastic polymer and the additive composition to produce the thermoplastic polymer composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6640/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ALTERING ENZYME BALANCE THROUGH FERMENTATION CONDITIONS

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(51) International classification	:C12N 1/14
(31) Priority Document No	:61/174,460
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033125
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/127219
(61) 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 US INC.**

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(72)Name of Inventor :

**1)KELLEY AARON**

**2)LIU CHUANBIN**

**3)MITCHINSON COLIN**

---

(57) Abstract :

This present disclosure relates to methods for improved production of proteins from a cell culture, particularly to culture components and conditions that can preferentially increase the expression of proteins produced from genes under the control of xylanase gene promoter sequences. The improved methods can be used for the production of enzyme compositions with enhanced xylanase and hemicellulolytic activity.

No. of Pages : 32 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6645/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS TO DETECT PREVIEW OF ENCRYPTED CONTENT

(51) International classification	:H04N 5/00
(31) Priority Document No	:12/390.808
(32) Priority Date	:23/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025024
Filing Date	:23/02/2010
(87) International Publication No	:WO 2010/096799
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ADVANCED MICRO DEVICES, INC.

Address of Applicant :ONE AMD PLACE, SUNNYVALE, CA 94088, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)JAGMAG, ADIL

(57) Abstract :

A method and apparatus detects a presence of a change in encryption status of video information, such as a preview, in a video stream. The method and apparatus issues notification information such as through a visual user interface, audibly or in any other suitable manner, that new content, such as a pay per view video information, is either available or unavailable based on the detection of a change in encryption status of the video information. An interactive and automated technique is provided to inform a user while, for example, the user is watching a display device, that a preview of content is now available or that a previously available preview has now changed and is now encrypted and therefore a user must order the previewed content before an expiration period occurs. In this fashion, a user is automatically notified that a free preview is available, while watching television and a broadcaster may increase revenues since preview information is more readily detected and presented to potential customers.

FIGURE 1A

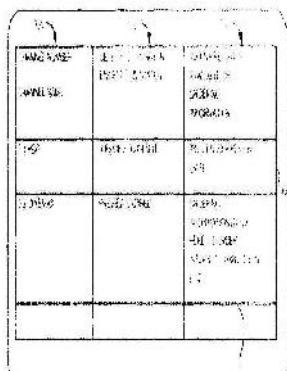


FIG.1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/09/2011

(21) Application No.6712/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : BIO-BASED POLYETHYLENE TEREPHTHALATE PACKAGING AND METHOD OF MAKING THEREOF

(51) International classification	:C08B
(31) Priority Document No	:PCT/US09/35849
(32) Priority Date	:03/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023457
Filing Date	:08/02/2010
(87) International Publication No	:WO 2010/101698
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)THE COCA-COLA COMPANY**

Address of Applicant :ONE COCA-COLA PLAZA NW,  
ATLANTA, GEORGIA 30313, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)ROBERT M.KRIEGEL**

**2)XIAOYAN HUANG**

**3)MIKELL SCHULTHEIS**

**4)BROCK H.KOLLS**

---

(57) Abstract :

A method of making a bio-based polyethylene terephthalate (PET), comprising: (a) forming at least one PET component from at least one bio-based material, wherein the at least one PET component is selected from a monoethylene glycol (MEG), a terephthalic acid ("TA), and combinations thereof; (b) processing said bio-based PET component into a bio-based PET.

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7195/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : BROADENING THE MOLECULAR WEIGHT DISTRIBUTION OF POLYOLEFINS MATERIALS MADE IN A HORIZONTAL STIRRED GAS PHASE REACTOR

(51) International classification	:C08F 2/34	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)INEOS USA LLC</b>
(32) Priority Date	:NA	Address of Applicant :3030 WARRENVILLE ROAD, SUITE 650, LISLE, IL 60532, UNITED STATES OF AMERICA
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2009/001089	<b>1)KROEZEN, TON</b>
Filing Date	:20/02/2009	<b>2)MCGINN, DENNIS, L.</b>
(87) International Publication No	:WO 2010/096033	<b>3)PEYRIGAIN, PIERRE, SERE</b>
(61) Patent of Addition to Application Number	:NA	<b>4)POESEN, DIRK</b>
Filing Date	:NA	<b>5)STEPHENS, WILLIAM, D.</b>
(62) Divisional to Application Number	:NA	<b>6)VAN DER HAM, MATTIJS</b>
Filing Date	:NA	

(57) Abstract :

An olefin polymerization process comprises gas-phase polymerization of at least one olefin monomer in more than one polymerization zones in one or more polymerization reactors using a high activity catalyst injected in the front end of the reactor to give solid polymer particles. According to the process of the invention, different hydrogen to olefin ratios are applied to the reactor leading to the production of very different molecular weights and therefore broadening the molecular weight distribution of the polymer produced.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6311/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : Localization system for determining a position of a device that can be moved on the floor

(51) International classification	:G11B
(31) Priority Document No	:20 2009 000 643.3
(32) Priority Date	:20/01/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/000279
Filing Date	:19/01/2010
(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 :

**1)ROBOTICS TECHNOLOGY LEADERS GMBH**

Address of Applicant :Am Loferffeld 58 81249 München  
GERMANY

(72)Name of Inventor :

**1)RIESNER Stefan**

(57) Abstract :

The invention relates to a localization system for determining a state of a device that can move on a floor comprising a floor transceiver system having a plurality of floor transceivers which each have floor antennas for marking position points within the plane of the floor and a transceiver tablet which is connected to the movable device and has a transmitting/receiving surface which is located opposite the floor and is suitable for continuously determining the position of at least two floor antennas within the transmitting/receiving surface simultaneously.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/09/2011

(21) Application No.7011/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND REACTOR DESIGNS FOR PRODUCING PHOSPHORUS PENTAFLUORIDE

(51) International classification	:C01B 25/10
(31) Priority Document No	:61/207,886
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027073
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/105120
(61) 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.**  
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**(72)Name of Inventor :**

- 1)MATTHEW H. LULY**
  - 2)ROBERT A. SMITH**
  - 3)HARIDASAN K. NAIR**
  - 4)PHILIP DEPRATO**
  - 5)KONSTANTIN A. POKROVSKI**
  - 6)DANIEL C. MERKEL**
  - 7)KEVIN UHRICH**
  - 8)STEPHEN A. COTTRELL**
  - 9)DANIEL J. BRENNER**
- 

**(57) Abstract :**

Processes and systems for the production of phosphorus pentafluoride (PF5) through continuous fluorination of phosphorus are provided herein. A phosphorus feed stream and a fluorine feed stream are provided to a reactor, wherein they are reacted in a gas-gas or liquid-gas reaction to produce phosphorus pentafluoride (PF5). The phosphorus feed can be derived from white phosphorus or yellow phosphorus, and can be provided to the reactor as a liquid or a vapor. The fluorine can be provided to the reactor as a vapor, and preferably comprises elemental fluorine gas.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7098/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : MASS TRANSFER APPARATUS HAVING A STRUCTURED PACKING

(51) International classification	:B01J 19/32
(31) Priority Document No	:09155551.6
(32) Priority Date	:18/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/053491
Filing Date	:17/03/2010
(87) International Publication No	:WO 2010/106119
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SULZER CHEMTECH AG

Address of Applicant :SULZER-ALLEE 48, CH-8404  
WINTERTHUR, SWITZERLAND

(72)Name of Inventor :

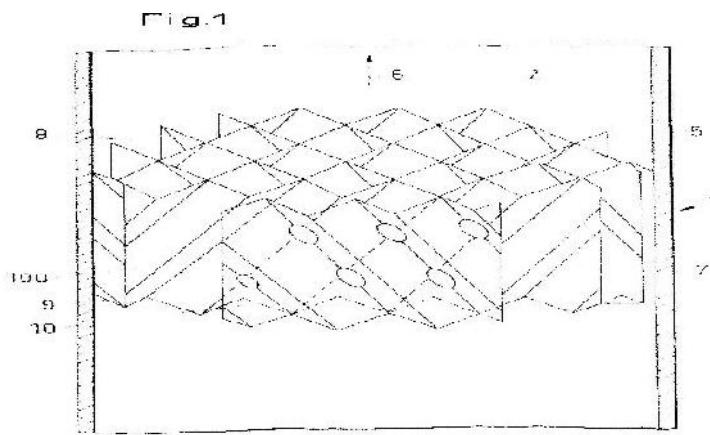
1)ILJA AUSNER

2)MARKUS DUSS

3)RAYMOND PLUSS

(57) Abstract :

An absorber or desorber contains a layer (10) for a structured packing which has corrugations, wherein a plurality of open channels (12, 14, 16) is formed by the corrugations, wherein the channels include a first corrugation valley (22), a first corrugation peak (32) and a second corrugation peak (42). The first corrugation peak (32) and the second corrugation peak (42) bound the first corrugation valley (22), wherein the first and second corrugation peaks have a first apex (33) and a second apex (43). An indentation (34) extending in the direction of the first apex (33) is formed on the first apex (33) of the first corrugation peak (32). The first corrugation valley (22) has a valley bottom (23), wherein the normal spacing (27) of at least one point of the indentation (34) from the valley bottom (23) of the corrugation valley (22) is smaller than the normal spacing (28) of the first apex (33) from the valley bottom (23) of the corrugation valley (22). Fig. 1



No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7186/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEIVING DEVICE, RECEIVING METHOD, AND PROGRAM

(51) International classification	:H04H 60/43	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-078222	<b>1)SONY CORPORATION</b>
(32) Priority Date	:27/03/2009	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/JP2010/055045	<b>1)NAOHISA KITAZATO</b>
Filing Date	:24/03/2010	<b>2)IZUMI HATAKEYAMA</b>
(87) International Publication No	:WO 2010/110296	<b>3)MASAYUKI OBAYASHI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A transmitter, a transmission method, a receiver, a reception method, and a program are provided which can allow the acquisition of all selection information of multi-segment broadcasting. A relevant information generating unit 51 generates an NIT including channel selection information of a central segment of the multi-segment broadcasting and an NIT including channel selection information of non-central segments. A transmitter unit 57 transmits the NIT of the central segment as NIT actual and the NIT of the non-central segments as NIT other through the use of the central segment. This configuration can be applied, for example, to a broadcasting station that transmits the multi-segment broadcasting through the use of terrestrial digital broadcast waves.

No. of Pages : 71 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7188/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : HIGH-STRENGTH, HERBICIDAL COMPOSITIONS OF GLYPHOSATE AND 2,4-D SALTS

(51) International classification :A01N 25/30  
(31) Priority Document No :61/171,592  
(32) Priority Date :22/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/031715  
    Filing Date :20/04/2010  
(87) International Publication No :WO 02/34047  
(61) 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.**  
Address of Applicant :9330 ZIONSVILLE ROAD,  
BUILDING #308, INDIANAPOLIS, INDIANA 46268-1054,  
UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)MEI LI**  
**2)HOLGER TANK**  
**3)LEI LIU**  
**4)KUIDE QIN**  
**5)STEPHEN WILSON**  
**6)DAVID OUSE**

(57) Abstract :

The mixture of certain amine salts of glyphosate and 2,4-D allows the preparation of high-strength liquid compositions containing up to greater than 450 gae/L of total active ingredient loading if the pH is adjusted to 6.0 to 8.0. Compositions are particularly well-suited for application to crops that are resistant or tolerant to both glyphosate and 2,4-D.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6391/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR LIMITING LOSSES IN AN UNINTERRUPTIBLE POWER SUPPLY

(51) International classification	:F21Q
(31) Priority Document No	:12/360,648
(32) Priority Date	:27/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/064144
Filing Date	:12/11/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AMERICAN POWER CONVERSION CORPORATION**  
Address of Applicant :132 Fairgrounds Road West Kingston  
RI 02892 U.S.A

(72)Name of Inventor :

**1)RODENHISER Fred William**  
**2)DEOKAR Vishwas Mohaniraj**  
**3)PAIK Namwook**  
**4)SHENG-HSIEN Fang**

(57) Abstract :

Aspects of the invention are directed to systems and method for limiting losses in an uninterruptible power supply. In one aspect the present invention provides an uninterruptible power supply (UPS) (10) comprising an input (12) to receive input power having an input voltage an output (14) to provide output power having an output voltage a neutral line an automatic voltage regulation (AVR) transformer (20) coupled to the input (12) and the output (14) of the UPS (10) and having an input an output ....

No. of Pages : 24 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7044/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR CONTROLLING OXYGEN SUPPLY FOR TREATING WASTEWATER, AND FACILITY FOR IMPLEMENTING SAME

(51) International classification	:C02F 3/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0901232	<b>1)DEGREMONT</b>
(32) Priority Date	:17/03/2009	Address of Applicant :183, AVENUE DU 18 JUIN 1940, F - 92500 RUEIL MALMAISON, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2010/051125	<b>1)JEAN-PIERRE HAZARD</b>
Filing Date	:16/03/2010	<b>2)PATRICK DESCAMPS</b>
(87) International Publication No	:WO 2010/106487	
(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 controlling oxygen supply in a tank (2) for biologically treating wastewater by alternating aeration including consecutive cycles, wherein each cycle comprises a first aeration phase and a second anoxic phase for reducing nitrites and nitrates formed during the preceding aeration phase, the tank is provided with sensors for measuring ammonia nitrogen (4b) and for measuring nitrate (4c) and optionally for measuring oxygen (4a) that is dissolved in the tank liquor or in the liquor thereof exiting the tank, a method according to which the oxygen supply is controlled in the aeration phase when the reduction speed of the nitrate measurement is less than a bottom threshold and the cutoff of the oxygen supply is also controlled in the aeration phase when at least one of the following triggering events occurs: the reduction speed in the measurement of ammonia nitrogen becomes lower than a bottom threshold; the total sum of ammonia nitrogen and nitrate measurements becomes higher than a top threshold, said thresholds may be dependent on time delays and on a top threshold for the dissolved oxygen measurement.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/09/2011

(21) Application No.7120/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND DEVICE FOR SECURING DOCUMENTS AGAINST FORGERY

(51) International classification	:B41M 3/10
(31) Priority Document No	:09/00742
(32) Priority Date	:18/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000136
Filing Date	:18/02/2010
(87) International Publication No	:WO 2010/094859
(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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FRANCE

**(72)Name of Inventor :**

**1)ZBIGNIEW SAGAN**

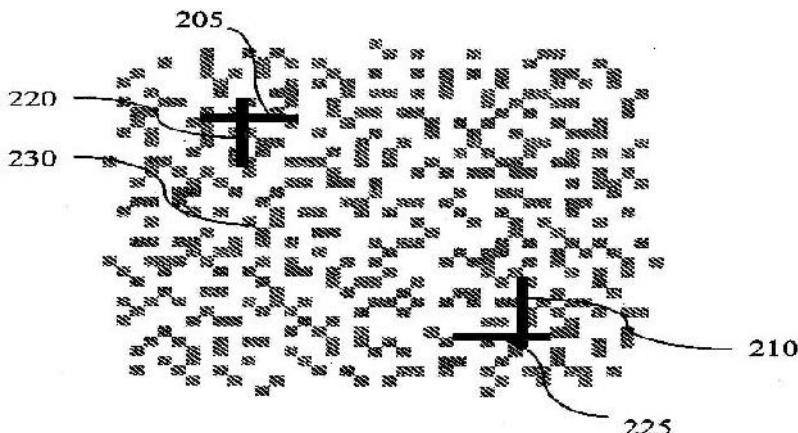
**2)JUSTIN PICARD**

**3)ALAIN FOUCOU**

**4)JEAN-PIERRE MASSICOT**

**(57) Abstract :**

The document securization method comprises: - a first step of forming a first mark (205, 210) on a first surface of said document by utilizing a first marking means, - a second step of forming a second mark (215) on another surface of said document or in the depth of said document by utilizing a second marking means, - the two marks are superimposed when the document is illuminated by back-lighting and - at least one (215) of said marks is a mark whose copy, made using marking means identical to those utilized for forming said mark, causes an error rate, measured dot by dot, that is greater than a predefined value. (Figure 8)



**Figure 8**

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7221/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CLEANABLE IN SITU SPARK ARRESTOR

(51) International classification	:F01N 3/02
(31) Priority Document No	:12/403,391
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/021095
Filing Date	:15/01/2010
(87) International Publication No	:WO 2010/104615
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SUNCOKE TECHNOLOGY AND DEVELOPMENT CORP.**

Address of Applicant :PARKSIDE PLAZA, 11400 PARKSIDE DRIVE, KNOXVILLE, TN 37934, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BARKDOLL, MICHAEL, P.**

(57) Abstract :

A system for reducing the occurrence of fires in a fabric filter dust collection system. The system includes an elongated housing having a first end and a second end distal from the first end. A gas flow inlet is provided in flow communication with an interior portion of the housing for flow of gas and particulates from a source into the housing. A gas flow outlet is provided in flow communication with the housing for flow of gas and particulates out of the housing and into the dust collection system. An elongated spark arrestor is disposed in the housing between the first end and the second end. The spark arrestor has a plurality of spaced-apart, wedge-shaped members having a gap between adjacent members sufficient to interrupt the flow of combustible particles from the source to the dust collection system.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/08/2011

(21) Application No.6652/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR THE ENANTIOSELECTIVE ENZYMATIC REDUCTION OF SECODIONE DERIVATIVES•

(51) International classification	:A06K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:A 2027/2006	<b>1)IEP GmbH</b>
(32) Priority Date	:07/12/2006	Address of Applicant :Rheingaustrasse 190-196 65203 Wiesbaden GERMANY
(33) Name of priority country	:Austria	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2007/010640	<b>1)GUPTA Antje</b>
Filing Date	:07/12/2007	<b>2)TSCHENTSCHER Anke</b>
(87) International Publication No	: NA	<b>3)BOBKHOVA Maria</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:3104/DELNP/2009	
Filed on	:12/05/2009	

(57) Abstract :

The invention relates to a method for the enantioselective enzymatic reduction of secodione derivatives of general formula (I) wherein the ring structures comprise no one or several heteroatom/s R1 represents hydrogen or a C1-C4 alkyl group R2 represents hydrogen a C1-C8 alkyl group or a protective OH- group known in prior art such as an ester R3 represents hydrogen a methyl group or a halide the structural element (A) represents a benzene ring or a C6 ring containing 0 1 or 2 C-C double bonds positions 6/7 or 7/8 optionally contain a double bond and the carbon is independently substituted with hydrogen a C1-C4 alkyl group a halide or a phenyl.....

No. of Pages : 34 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6655/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : APPARATUS AND METHODS FOR SEPARATING AND ANALYZING COMPONENTS IN FLUIDS

(51) International classification	:F04D
(31) Priority Document No	:61/149,769
(32) Priority Date	:04/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023246
Filing Date	:04/02/2010
(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)LYZER DIAGNOSTICS INC.**

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Boulder CO 80301 U.S.A

(72)**Name of Inventor :**

**1)Timothy Robert GEIGER**

**2)Dean Michael KINGSTON**

**3)Steven Patrick TYRRELL**

---

(57) Abstract :

Methods and devices for separation of particulate analytes or aggregates of analytes from a fluid after a separation medium is saturated with the fluid. The separation endpoint is determined by saturation therefore no precise metering of the fluid sample is necessary. The separated analyte of interest can be detected quantified or its migration measured in the separation medium. The measured property of the analyte can then be correlated with a parameter of interest. The device can be marked to directly read the value of the parameter of interest. The fluid may be blood wherein the device includes a volumetric capillary reservoir for collecting the blood a separation paper or indicator strip and graduations for correlating the migration of red blood cells with hematocrit or hemoglobin concentration. The interface of red blood cells and plasma creates a readable marking that corresponds to percent hematocrit and can be read from the graduations.

No. of Pages : 86 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7247/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A SHAFT FURNACE CHARGING INSTALLATION HAVING A DRIVE MECHANISM FOR A DISTRIBUTION CHUTE

(51) International classification	:C21B 7/20
(31) Priority Document No	:91565
(32) Priority Date	:07/05/2009
(33) Name of priority country	:Luxembourg
(86) International Application No Filing Date	:PCT/EP2010/053792 :23/03/2010
(87) International Publication No	:WO 2010/127904
(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)PAUL WURTH S.A.

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LUXEMBOURG

(72)Name of Inventor :

1)THILLEN, GUY

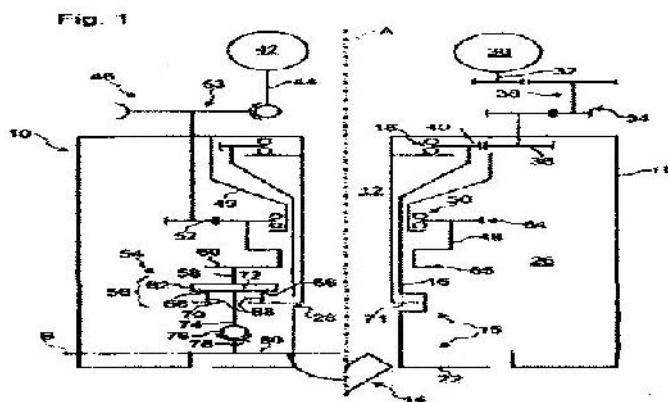
2)LONARDI, EMILE

3)THIX, CHRISTIAN BENOIT

4)HUBEAX, GERALD

(57) Abstract :

The invention concerns a drive mechanism for a distribution chute (14) in a shaft furnace charging installation. This drive mechanism comprises rotary supporting means (15) supporting the distribution chute so that it can be rotated, typically about a vertical axis of rotation (A), and a fixed structure (10) supporting the rotary supporting means (15). It has a main drive motor (30) for rotating the chute and an auxiliary drive motor (40) for adjusting the position of the chute, typically the pivotal position about a horizontal axis (B). The drive mechanism further comprises first, second and third transmission means (34; 46; 54). The first transmission (34) operationally couples the main drive motor (30) to a first ring gear (40) rigidly connected to the rotary supporting means (15). The second transmission (46) operationally couples the auxiliary drive motor (40) to a second ring gear (48) that is independently rotatable about the axis of rotation (A). The third transmission (54) is supported by the rotary supporting means (15) and operationally couples the second ring gear (48) to the distribution chute (14) for adjusting the position of the distribution chute, typically its pivotal position. According to the invention, the third transmission (54) comprises at least one epicyclic sun-and-planet gear train (56; 256; 356) that is supported by the rotary supporting means (15) and operationally coupled to a third ring gear (71; 471) rigidly connected to the fixed structure (10). The proposed epicyclic sun-and-planet gear train (56; 256; 356) has an input shaft (58; 258) driven by the second ring gear (48) and an output shaft (74; 274) connected to adjust the position of the distribution chute (14). Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6661/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SUSTAINED RELEASE ORAL DOSAGE FORMS OF AN R-BACLOFEN PRODRUG

(51) International classification	:A01J
(31) Priority Document No	:61/157,114
(32) Priority Date	:03/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026133
Filing Date	:03/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

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**2)DAVID J.KIDNEY**

**3)NIKHIL PARGAONKAR**

**4)DERRICK K.KIM**

**5)GORM YODER**

**6)SAMIK KARABORNI**

---

(57) Abstract :

Sustained release oral dosage forms of an R-baclofen prodrug are disclosed.

No. of Pages : 101 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6662/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : VANE PUMP

(51) International classification	:F02C
(31) Priority Document No	:2010-102248
(32) Priority Date	:27/04/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070443
Filing Date	:17/11/2010
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)RYUICHI SAKAKIBARA**

**2)KIYOTAKA OHTAHARA**

**3)KIKUJI HAYASHIDA**

**4)YOSHIMASA KUNO**

(57) Abstract :

A lubricating oil to be supplied to a vane pump 1 is supplied to a pump chamber 2A through an axial direction oil supply hole 11a, a diameter direction oil supply hole 11b, and an axial direction oil supply groove 11c of an oil supply passage 11. A gas passage 13 is comprised of a gas groove 13a whose one end is made to communicate with an outer space, the gas groove 13a being formed on an outer peripheral surface of a shaft part 3B of a rotor 3, and the other end of this gas groove is made to intermittently overlappingly communicate with the axial direction oil supply groove 11c by a rotation of the rotor. Clogging does not easily occur as compared with a case where the gas passage 13 is comprised of a through-hole as a conventional apparatus since the gas passage is comprised of the groove-shaped gas groove 13a, thus enabling to reduce a passage area of the gas passage. Hence, the air is prevented from being sucked in the pump chamber from the gas passage as much as possible, thereby enabling to prevent the increase of engine driving torque.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7055/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOSITIONS AND METHODS FOR SCREENING AND USING COMPOUNDS ANTAGONIZING SPORE-SURFACE INTERACTIONS

(51) International classification	:C12Q 1/68	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,154	<b>1)GOJO INDUSTRIES, INC.</b>
(32) Priority Date	:27/03/2009	Address of Applicant :ONE GOJO PLAZA, SUITE 500, AKRON, OHIO 44309, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/028902	<b>1)DAVID R. MACINGA</b>
Filing Date	:26/03/2010	<b>2)JAMES EDMUND BINGHAM</b>
(87) International Publication No	:WO 2010/126670	<b>3)SARAH L. EDMONDS</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 genes encoding novel microbial proteins (i.e., for example, exospore genes and proteins) that mediate the attachment of microbial spores to surfaces. Specific fragments of these microbial spore proteins may be utilized to inhibit the attachment of microbial spores to surfaces, thereby providing an infection control agent. The invention provides recombinant expression vectors comprising genes encoding exospore proteins, as well as host cells containing these expression vectors. Further provided herein are screening methods for identifying infection control compositions comprising exospore proteins that inhibit bacterial spore attachment to either bodily tissues or solid surfaces. Additionally, the invention provides for the use of nucleic acid inhibitors of exospore protein expression by hybridizing with nucleic acid sequences encoding exospore proteins as well as with exospore mRNA. The invention further describes monoclonal and polyclonal antibodies having affinity for exospore proteins.

No. of Pages : 316 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/09/2011

(21) Application No.7057/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : GENE ENCODING POLYMER SYNTHASE AND A PROCESS FOR PRODUCING POLYMER

(51) International classification

:C12N

(31) Priority Document No

:PL20092412

(32) Priority Date

:12/06/2009

(33) Name of priority country

:Malaysia

(86) International Application No

:PCT/MY2010/000071

Filing Date

:05/05/2010

(87) International Publication No

:NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :11800, PULAU PINANG, MALAYSIA

(72)Name of Inventor :

**1)K. SUDESH KUMAR A/L C. KANAPATHI PILLAI**

**2)MUHAMMAD RAZIP BIN SAMIAN**

**3)AMIRUL AL-ASHRAF BALAKRISHNAN BIN**

**ABDULLAH**

**4)KESAVEN A/L BHUBALAN**

(57) Abstract :

An isolated polynucleotide encoding for a polypeptide and a process for the preparation is disclosed. The isolated polynucleotide encoding comprises an amino acid sequence set forth in SEQ ID NO: 1 with polymer synthase activity. The process for producing polymer comprises culturing a transformant in a medium containing polymerizable materials and recovering the polymer from the cultured medium.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7232/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MUTANT CYAA POLYPEPTIDES AND POLYPEPTIDE DERIVATIVES SUITABLE FOR THE DELIVERY OF IMMUNOGENIC MOLECULES INTO A CELL

(51) International classification	:C12N 9/88	(71)Name of Applicant :
(31) Priority Document No	:09155929.4	1)INSTITUT PASTEUR
(32) Priority Date	:23/03/2009	Address of Applicant :25-28 RUE DU DOCTEUR ROUX, F-75724 PARIS CEDEX 15, FRANCE
(33) Name of priority country	:EUROPEAN UNION	2)INSTITUTE OF MICROBIOLOGY OF THE ASCR, V.V.I
(86) International Application No	:PCT/EP2010/053795	3)INSTITUTE OF PHYSIOLOGY OF THE ASCR, V.V.I
Filing Date	:23/03/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2010/136231	1)PETER SEBO
(61) Patent of Addition to Application Number	:NA	2)ADRIANA OSICKOVA
Filing Date	:NA	3)JIRI MASIN
(62) Divisional to Application Number	:NA	4)CATHERINE FAYOLLE
Filing Date	:NA	5)JAN KRUSEK
		6)MAREK BASLER
		7)CLAUDE LECLERC
		8)RADIM OSICKA

(57) Abstract :

The invention relates to mutant CyaA/E570Q+K860 polypeptides suitable for use as proteinaceous vectors for delivering one or more molecules of interest into a cell, in particular into a cell expressing the CD11b receptor. The invention further relates to polypeptide derivatives suitable for eliciting an immune response in a host. The invention is more particularly directed to polypeptides derived from an adenylate cyclase protein (CyaA) either under the form of a toxin or of a toxoid, which are mutant polypeptides. Said mutant polypeptides are capable of retaining the binding activity of native CyaA to a target cell and preferably of also retaining the translocating activity of native CyaA through its N-terminal domain into target cells and furthermore have a pore-forming activity which is reduced or suppressed as compared to that of the native CyaA toxin.

No. of Pages : 144 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6175/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROTECTIVE-CONTROL MEASURING SYSTEM AND DEVICE AND DATA TRANSMISSION METHOD

(51) International classification	:H04L
(31) Priority Document No	:2009-008823
(32) Priority Date	:19/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/007327
Filing Date	:28/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Tokyo 1058001 JAPAN.

**2)Yokohama National University**

(72)Name of Inventor :

**1)Shigeki KATAYAMA**

**2)Katsuhiko SEKIGUCHI**

**3)Kazuto FUKUSHIMA**

**4)Tsutomu MATSUMOTO**

(57) Abstract :

According to one embodiment when sending a transmission target main data 21 an authentication-tag generator unit 13 generates an authentication tag 23 by using a main data 21 and a key data 22 stored in a key-data storage unit 12. A transmitter/receiver unit 14 adds the authentication tag 23 to the main data 32 sends as a transmission data. When receiving the received data 24a the transmitter/receiver unit 14 divides the received data into a main data 21a and an authentication tag 23a. The authentication-tag generator unit 13 generates an authentication tag 23b for comparison. A received-data authentication unit 15 determines whether or not those the received authentication tag 23a and the authentication tag for comparison 23b match with each other.....

No. of Pages : 50 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6176/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MOBILE DENOX CATALYST

(51) International classification	:G11C
(31) Priority Document No	:12/371,760
(32) Priority Date	:16/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024269
Filing Date	:16/02/2010
(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)MILLENNIUM INORGANIC CHEMICALS INC.**  
Address of Applicant :20 Wight Avenue Suite 100 Hunt Valley MD 21030 U.S.A

(72)Name of Inventor :

**1)AUGUSTINE Steve M.**  
**2)FU Guoyi**  
**3)WATSON Mark**

(57) Abstract :

DeNOx catalysts for the reduction of NOx compounds and porous catalyst support materials are provided. The inventive catalysts comprise an active metal catalyst component and mixed TiO<sub>2</sub>/ZrO<sub>2</sub> porous support particles that comprise a) a crystalline phase comprising titanium dioxide and/or a titanium/zirconium mixed oxide b) an amorphous phase comprising zirconium and c) a small amount of one or more metal oxide(s) or metalloid oxide(s) deposited on the amorphous outer layer. The inventive catalysts exhibit superior activity and ammonia selectivity.

No. of Pages : 36 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6330/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REINFORCED NATURAL OR CONGLOMERATED STONE PLATE-LIKE ELEMENT AND MULTILAYERED PROTECTIVE COATING THEREOF

(51) International classification	:C04B 41/52
(31) Priority Document No	:09380014
(32) Priority Date	:30/01/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/IB2010/000152
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/086713
(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)FRANCISCO ANTONIO SANCHIS BRINES**

**2)ERIK SCHONEVELD**

---

(57) Abstract :

Reinforced natural or conglomerated stone plate-like element and multilayered protective coating thereof Reinforced natural or conglomerate stone plate-like element comprising: - a substrate (1) of natural or conglomerate stone material; - a multi-layered coating providing protection of said substrate (1) against chemical and wearing mechanical agents acting on the element, said multi-layered coating comprising three single or multiple film forming composition layers.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6335/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A PLANT FOR STORING AND SUPPLYING COMPRESSED GAS

(51) International classification	:F17C 5/06
(31) Priority Document No	:2009 0660
(32) Priority Date	:11/02/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000051
Filing Date	:11/02/2010
(87) International Publication No	:WO 2010/093255
(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)FJALESTAD, KJETIL

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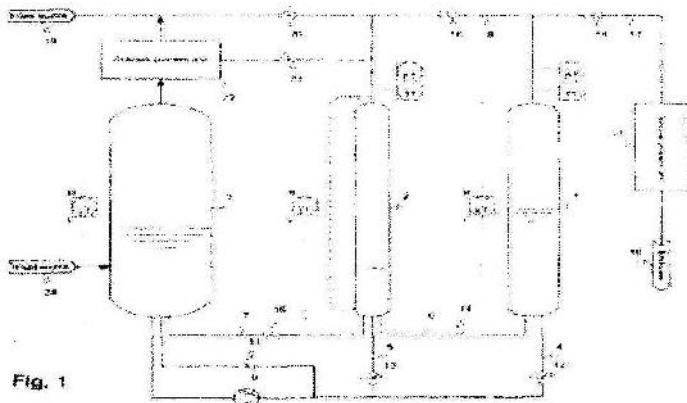
3)KAASA, YVIND

4)NAKKEN, TORGEIR

5)KITTILSEN, PAL

(57) Abstract :

A plant for storing and supplying compressed gas comprises a storage tank (1) for gas, at least one pressurization tank (2) for gas and a buffer tank (3) for a pressure support fluid to be filled into or evacuated from lower portions of the storage and pressurization tanks. The lower portions of the storage and pressurization tanks are communicating with the buffer tank via fluid flow lines (4, 5) to fill fluid during supplying from and pressurizing gas in the plant, and a flow line (7) for evacuating fluid during refilling of the pressurization tank. According to a preferred embodiment the lower portions of the storage and pressurization tanks are communicating with one another via a fluid flow line (6) to exchange fluid between the storage and pressurization tank, whereas gas being pressurized in the pressurization tank is moved into the storage tank via a gas flow line (8) communicating the pressurization and storage tanks with one another, the gas flow line being situated between upper portions of the pressurization and storage tanks.



No. of Pages : 18 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7244/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DERIVATIVES OF BENZOTHIAZINES,PREPARATION THEREOF AND APPLICATION THEREOF AS DRUGS

(51) International classification	:C07D 275/06
(31) Priority Document No	:0951336
(32) Priority Date	:03/03/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/EP2010/052609 :02/03/2010
(87) International Publication No	:WO 2010/100139
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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**1)PEREZ, MICHEL**

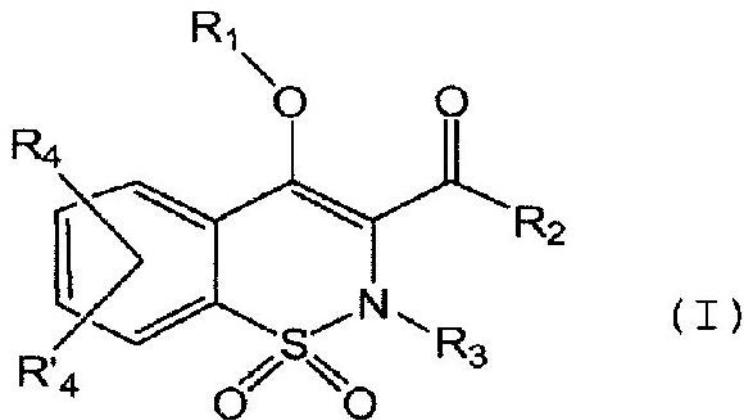
**2)LAMOTHE, MARIE**

**3)JUNQUERO, DIDIER**

**4)RIVAL, YVES**

(57) Abstract :

The object of the present invention is benzothiazine derivatives having the capability of inhibiting 11-HSD1 not only at an enzymatic level but also at a cell level. The compounds of the present invention are of general formula (I). Wherein notably R1 represents a hydrogen or OR1 represents an ester or an ether. R2 represents a naphthal or a 1, 2, 3, 4-tetrahydro-naphthalene or a biphenyl or phenyl pyridine or a substituted phenyl. R3 represents a methyl or ethyl; R4 and R'4 represent a hydrogen.



No. of Pages : 175 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6187/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IL-17 BINDING PROTEINS

(51) International classification	:A61K 39/395
(31) Priority Document No	:61/209,272
(32) Priority Date	:05/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/026424 :05/03/2010
(87) International Publication No	:WO 2010/102251
(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)ABBOTT LABORATORIES**

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**2)HUGUNIN MARGARET**

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**4)MCRAE BRADFORD L.**

**5)KUTSKOVA YULIYA**

**6)MEMMOTT JOHN E.**

**7)PEREZ JENNIFER M.**

**8)ZHONG SUJU**

**9)TARCSA EDIT**

**10)CLABBERS ANCA**

**11)WALLACE CRAIG**

**12)BRYANT SHAUGHN H.**

**13)LEDDY MARY R.**

---

(57) Abstract :

Proteins that bind IL-17 and/or IL- 17F are described along with there use in composition and methods for treating, preventing, and diagnosing IL- 17 related diseases and for detecting IL-17 in cells, tissues, samples, and compositions.

No. of Pages : 493 No. of Claims : 201

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.6189/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ACID ADDITION SALT OF UDENAFIL PREPARATION METHOD THEREOF AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME.

(51) International classification	:C07D
(31) Priority Document No	:10-2009-0013350
(32) Priority Date	:18/02/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/000976
Filing Date	:17/02/2010
(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 :

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2)SHIN Chang-Yong

3)CHOI Seul-Min

4)KANG Kyung-Koo

5)KIM Dong-Seong

6)AHN Byoung-Ok

7)YOO Moo-Hi

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(57) Abstract :

The present invention provides an acid addition salt of Udenafil a preparation method thereof and a pharmaceutical composition comprising the same. The acid addition salt of Udenafil in which Udenafil is bonded to an organic acid selected from the group consisting of oxalic acid benzenesulfonic acid camphorsulfonic acid cinnamic acid adipic acid and cyclamic acid has excellent solubility in an aqueous medium water stability and crystallinity thereby being suitably applied for a pharmaceutical composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6337/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : GLYCOSAMINOGLYCAN-ANTAGONISING MCP-I MUTANTS AND METHODS OF USING SAME

(51) International classification	:C07K 14/52
(31) Priority Document No	:61/148,766
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/051128
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/086426
(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 :IMPULSZENTRUM GRAZ-WEST,  
REININGHAUSSTRASSE 13A, A-8020 GRAZ, AUSTRIA

(72)Name of Inventor :

1)KUNGL, ANDREAS

(57) Abstract :

Novel mutants of human monocyte chemoattractant protein 1 (MCP-1) with increased glycosaminoglycan (GAG) binding affinity and knocked-out or reduced GPCR activity compared to wild type MCP-1, and their use for therapeutic treatment of inflammatory diseases.

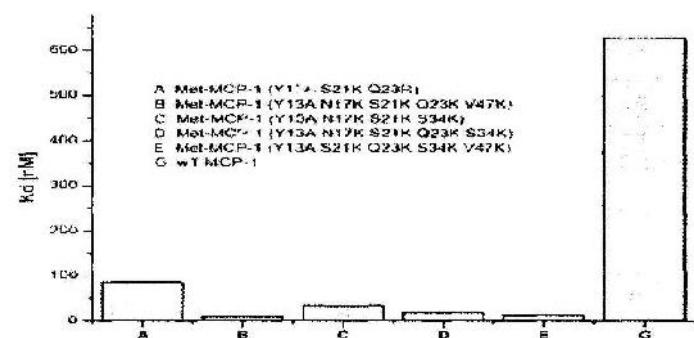


Figure 3

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6341/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : BISMUTH-THIOLS AS ANTISEPTICS FOR EPITHELIAL TISSUES, ACUTE AND CHRONIC WOUNDS, BACTERIAL BIOFILMS AND OTHER INDICATIONS

(51) International classification	:A61K 31/29	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/149,593	<b>1)MICROBION CORPORATION</b>
(32) Priority Date	:03/02/2009	Address of Applicant :910 TECHNOLOGY BOULEVARD, SUITE G, BOZEMAN, MT 59718, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/023108	(72) <b>Name of Inventor :</b>
Filing Date	:03/02/2010	<b>1)BAKER, BRETT, HUGH, JAMES</b>
(87) International Publication No	:WO 2010/091124	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Compositions and methods, including novel homogeneous microparticulate suspensions, are described for treating acute wounds, chronic wounds and/or a wound or epithelial tissue surface that contains bacterial biofilm, including unexpected synergy between bismuth-thiol (BT) compounds and certain antibiotics, to provide topical formulations including antiseptic formulations, for management and promotion of wound healing and in particular infected wounds. Previously unpredicted antibacterial properties and anti-biofilm properties of disclosed BT compounds and BT compound-plus-antibiotic combinations are also described, including preferential efficacies of certain such compositions for treating gram-positive bacterial infections, and distinct preferential efficacies of certain such compositions for treating gram-negative bacterial infections.

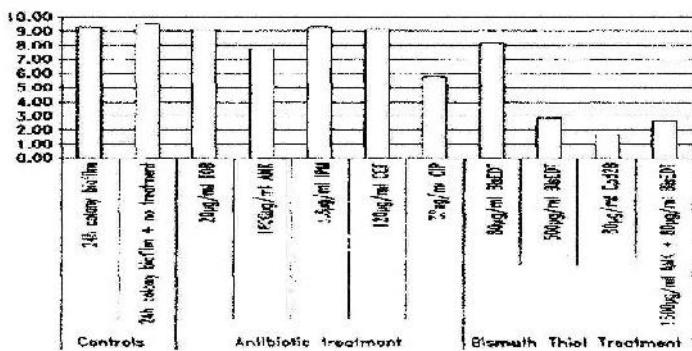


FIG. 1

No. of Pages : 115 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7291/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ANTI - CD40 ANTIBODIES AND USES THEREOF

(51) International classification	:C07K 16/28
(31) Priority Document No	:61/159,055
(32) Priority Date	:10/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026375
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/104761
(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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**2)ZURAWSKI, GERARD**

**3)ZURAWSKI, SANDRA**

**4)OH, SANGKON**

(57) Abstract :

The present invention includes compositions and methods for the expression, secretion and use of novel compositions for use as, e.g., vaccines and antigen delivery vectors, to deliver antigens to antigen presenting cells. In one embodiment, the vector is an anti-CD40 antibody, or fragments thereof, and one or more antigenic peptides linked to the anti-CD40 antibody or fragments thereof, including humanized.

No. of Pages : 122 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7293/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REVERSIBLE COLOR - CHANGING SANITIZER - INDICATING NONWOVEN WIPE

(51) International classification	:D06P 1/00
(31) Priority Document No	:61/211,505
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026172
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/117520
(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)WARD, LESLEY J.**

**3)REICHART, VERONICA R.**

---

(57) Abstract :

A nonwoven wipe having a reversible sanitizer indicator for multiple uses and recharges is provided. The nonwoven wipe includes a cloth-like nonwoven fabric coated with a reversible color-changing ink formulation. During use, the nonwoven wipe is impregnated with a quaternary ammonium compound-based sanitizer. When the level of free quaternary ammonium compound falls below a threshold level, the color-changing ink formulation changes from a first color to a second color, indicating the need to recharge the wipe. When the nonwoven wipe is recharged with sanitizer solution, the color-changing ink formulation changes back to the first color.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.6285/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BASE, PRODUCTS CONTAINING THE SAME, PREPARATION METHODS AND USES THEREOF

(51) International classification	:A23L 1/23
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/051932
Filing Date	:18/02/2009
(87) International Publication No	:WO 2010/094327
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)DIONO, BEATRICE

2)ULMER, HELGE

3)RABE, SWEN

(57) Abstract :

The present invention concerns a base characterized in that it is prepared by the following steps : (a) partial bio-hydrolysis of raw materials rich in precursors, and (b) thermal reaction steps of the resulting product from (a). Said base can be prepared with a further step, which is a subsequent or simultaneous fermentation of the resulting product from step (a).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6693/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NON-LINEAR ACTUATOR SYSTEM AND METHOD

(51) International classification	:F15B 13/044
(31) Priority Document No	:61/213,596
(32) Priority Date	:23/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/000825
Filing Date	:10/02/2009
(87) International Publication No	:WO 2010/093412
(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)CHILDERS, PETER**

**2)BLITZ, JONATHAN**

**3)CARUCCI, JAMES**

**4)DRAPER, RONALD**

---

(57) Abstract :

An embodiment of a system and method for moving an object in one axis includes one or more fluid inflatable containers which are arranged to transmit fluid pressure to a plunger, such that a flexible membrane of the fluid inflatable container engages with the plunger and forms a rolling lobe in response to changes in volume. The fluid inflatable containers are enclosed within an enclosure or drum, and a shaft runs axially through the center of the enclosure. The system further includes one or more control valves operably connected to the one or more fluid inflatable containers for controlling the volume of fluid in the one or more containers. By changing the volume of fluid in the one or more containers the object is moved. In an embodiment an arced plunger is used to assist in creating the rolling lobe.

No. of Pages : 56 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7307/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FLAME-RETARDED, IMPACT-MODIFIED POLYCARBONATE COMPOSITIONS

(51) International classification	:C08K 5/521
(31) Priority Document No	:10 2009 014
(32) Priority Date	:25/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001642
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/108618
(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)ACHIM FELDERMANN

2)THOMAS ECKEL

3)ANDREAS SEIDEL

4)DIETER WITTMANN

(57) Abstract :

The present invention relates to flame-retarded, impact-modified polycarbonate compositions comprising A) 77 to 90 parts by weight (based on the sum of components A + B + C) of linear and/or branched aromatic polycarbonate and/or aroma-tic polyestercarbonate, B) 6 to 12 parts by weight (based on the sum of components A + B + C) of graft polymer with B. 1 5% to 30% by weight (based in each case on the graft polymer B) of a shell of at least one vinyl monomer, and B.2 95% to 70% by weight (based in each case on the graft polymer B) of one or more graft bases of silicone-acrylate composite rubber, C) 4 to 10 parts by weight (based on the sum of components A + B + C) of phosphorus compounds of formula (VIII), in which R1, R2, R3 and R4 independently of one another are optionally halogen-substituted C1-C8 alkyl, in each case optionally halogen- and/or alkyl-substituted C5-C6 cycloalkyl, C6-C10 aryl or C7-C12 aralkyl, n independently at each occurrence is 0 or 1, q independently at each occurrence is 0, 1, 2, 3 or 4, N is 0.1 to 10, R5 and R6 independently of one another are C1-C4 alkyl, preferably methyl, or halogen, preferably chlorine and/or bromine, and Y is single bond, C1-C7 alkylidene, C1-C7 alkylene, C5-C12 cycloalkylene, C5-C12 cycloal-kylidene, -O-, -S-, -SO-, -SO2-, or -CO-, D) 0 - 3 parts by weight (based on the sum of components A + B + C) of anti-drip agents, and E) 0 - 3 parts by weight (based on the sum of components A + B + C) of thermoplastic vinyl (co)polymer (E.1) and/or polyalkylene terephthalate (E.2) - with particular preference the composition is free of thermoplastic vinyl (co)polymers (E.1) and/or polyalkylene terephthalates (E.2) - and F) 0 - 20 parts by weight (based on the sum of components A + B + C) of fur-ther additives, the weight ratio of components B to phosphorus content from component D being situated within a range from 16 to 22:1, preferably from 17 to 19:1, and the compositions being free from rubber-free polyalkyl (alkyl)acrylate, to the use of the polycarbonate compositions for producing mouldings, and to the mouldings themselves.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6343/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : IMIDAZOLE DERIVATIVES USEFUL AS MODULATORS OF FAAH AND AS FAAH IMAGING AGENTS

(51) International classification	:A01N 43/50
(31) Priority Document No	:61/157,430
(32) Priority Date	:04/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024871
Filing Date	:22/02/2010
(87) International Publication No	:WO 2010/101724
(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)LIU, PING**

**2)DEVITA, ROBERT, J.**

**3)LIN, LINUS, S.**

**4)CHIODA, MARC, D.**

**5)HAMILL, TERENCE, G.**

**6)LI, WENPING**

---

(57) Abstract :

The present invention is directed to certain Imidazole derivatives which are useful as modulators of Fatty Acid Amide Hydrolase (FAAH) and as FAAH imaging agents. The invention is also concerned with pharmaceutical formulations comprising these compounds as active ingredients and the use of the compounds and their formulations in the treatment of certain disorders, including osteoarthritis, rheumatoid arthritis, diabetic neuropathy, postherpetic neuralgia, skeleotomuscular pain, and fibromyalgia, as well as acute pain, migraine, sleep disorder, Alzheimer Disease, and Parkinson's Disease.

No. of Pages : 88 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6347/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ESTER GROUP-CONTAINING TETRACARBOXYLIC ACID DIANHYDRIDE POLYESTER POLYIMIDE PRECURSOR POLYESTERIMIDE AND METHODS FOR PRODUCING SAME•

(51) International classification	:C07D
(31) Priority Document No	:2009-030494
(32) Priority Date	:12/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052092
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 :**

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(72)**Name of Inventor :**

**1)HASEGAWA Masatoshi**

**2)HIRAMINE Tadashi**

**3)HASHIMOTO Yuuki**

---

(57) Abstract :

The present invention provides a polyesterimide having a repeating unit expressed by the formula below that offers a high glass transition temperature low coefficient of linear thermal expansion equivalent to or lower than those of metal foils extremely low coefficient of water absorption extremely low coefficient of hygroscopic expansion excellent flame resistance relatively low elastic modulus and sufficient film toughness and which is useful for FPC substrates COF substrates and TAB substrate materials especially as FPC substrate materials (base film) and also provides the manufacturing methods thereof: [Chemical 3] .....

No. of Pages : 54 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/09/2011

(21) Application No.7348/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : Method For Use In Mobility Hand-Off Between Base Stations

(51) International classification	:G11C
(31) Priority Document No	:PI20090758
(32) Priority Date	:25/02/2009
(33) Name of priority country	:Malaysia
(86) International Application No	:PCT/MY2010/000026
Filing Date	:24/02/2010
(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

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(72)**Name of Inventor :**

**1)ABDULLAH Mohd Ariff**

**2)MOHD NORDIN Mohd Nor Izlan**

**3)ARIS Nor Azrishahril**

**4)BARATVAND Mohsen**

---

(57) Abstract :

The present invention relates to a method for use in a hand-off process between base stations preferably Wifi/WiMAX base stations. The primary steps include arranging the subnet for each base station in a predetermined sequence and thus predicting the most possible subnet prefix of the network that a node would attach next. By way of predicting the care-of-addresses assigned by the new network hand-off process can be expedited.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/09/2011

(21) Application No.7349/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : Fast Multicast Subscription For Mobile Ad-Hoc Network

(51) International classification	:H01L
(31) Priority Document No	:PI20090732
(32) Priority Date	:24/02/2009
(33) Name of priority country	:Malaysia
(86) International Application No	:PCT/MY2010/000025
Filing Date	:24/02/2010
(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

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**3)MOHD SULAIMAN Aus**

**4)NURHAIZI Hamzah**

---

(57) Abstract :

The present invention relates to a method of multicast streaming between two mobile networks forming a mobile ad-hoc network (MANET) each networks having a mobile device (201 211 ) and a router (202 212). The method comprises multicast streaming data from a sender device (201) through a sender router (202) without the presence of a recipient device (211); subscribing to a multicast stream by the recipient device (211) through a recipient router (212) without the presence of the sender device (201); establishing a connection between the sender router (202) and the recipient router (212); sending the subscription from the recipient device (211) to the sender device (201) once the two routers (202 212) are connected; and transmitting the data from the sender device (201) to the recipient device (211). The multicast streaming of the MANET is carried out without any multicast announcement. A multicast streaming system is also provided.

No. of Pages : 15 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7350/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CAPACITIVE TOUCH MEMBER, MANUFACTURING METHOD THEREFOR, AND CAPACITIVE TOUCH DETECTION APPARATUS

(51) International classification	:C09K 21/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-090694	<b>1)SONY CORPORATION</b>
(32) Priority Date	:03/04/2009	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/JP2010/002110	<b>1)OSAMU ENOKI</b>
Filing Date	:25/03/2010	<b>2)JULIE E. WHITE</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 :

[Object] To provide a capacitive touch member having a flexible shape or a stereoscopic shape and includes a light transmissive detection electrode, a manufacturing method therefor, and a capacitive touch detection apparatus including the capacitive touch member. [Solving Means] Produced is a capacitive touch member (10) including a film-like or plate-like support (1) that is formed of an insulating material and has a flexible shape or a stereoscopic shape, a detection electrode (2) that is arranged on at least a part of one surface of the support (1) and formed of a light transmissive conductive layer containing a carbon nano linear structure such as a carbon nanotube, and a lead-out wire (3) that is led out from the detection electrode (2). A capacitive touch detection apparatus is constituted of the touch member (10) and a capacitance detection circuit (60) that is electrically connected to the detection electrode (2) via the lead-out wire (3) and detects a change in capacitance due to approach or contact of a human body with respect to a touch surface (4). The detection electrode (2) may be coated with a protective film, and a surface of the protective film may be used as a touch surface.

No. of Pages : 78 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/12/2010

(21) Application No.3097/DEL/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD, SYSTEM, AND APPARATUS FOR OPERATING A VEHICLE

---

(51) International classification	:B60K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/683,805	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:07/01/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)DESBOROUGH LANE DAVID</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 system (100) for use in operating a vehicle (102) is provided. The system includes a transponder (202) configured to be coupled to an engine control system (204) within the vehicle, the transponder further configured to determine coordinates of the vehicle, and a central controller (104) configured to communicate with the transponder. The central controller is further configured to receive position messages from the transponder, wherein the position messages include the coordinates of the vehicle as determined by the transponder, determine a current route of travel of the vehicle, receive terrain data related to the current route, calculate a desired energy allocation for use by the engine control system, and transmit the desired energy allocation to the transponder, such that the engine control system controls engine function based on the desired energy allocation.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/12/2010

(21) Application No.3098/DEL/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PROCESS FOR PREPARING CATALYST POWDER

(51) International classification

:B01J

(31) Priority Document No

:12/652,808

(32) Priority Date

:06/01/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**5)VENKATARAMANI VENKAT SUBRAMANIAM**

**6)LYONS ROBERT JOSEPH**

**7)HANCU DAN**

**8)WINKLER BENJAMIN HALE**

**9)KESHAVAN HRISHIKESH**

---

(57) Abstract :

The present invention details a process for producing a catalyst powder. The steps of the process include preparing catalyst slurry, drying, pyrolyzing, and calcining the catalyst slurry to obtain a calcined catalyst powder. The catalyst slurry comprises a catalyst, a liquid carrier, a templating agent, and a catalyst substrate. The catalyst slurry is dried to obtain a raw catalyst powder. The raw catalyst powder is heated in a first controlled atmosphere to obtain a pyrolyzed catalyst powder and the pyrolyzed catalyst powder is calcined in a second controlled atmosphere to obtain a calcined catalyst powder. A method of fabricating a catalyst surface and catalytic converter using the prepared catalyst powder is also illustrated.

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5934/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : COMPOUND DRIVE FOR THE SLEEVE VALVE OF AN ENGINE

(51) International classification	:F01L 5/10
(31) Priority Document No	:2009900735
(32) Priority Date	:20/02/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000191
Filing Date	:22/02/2010
(87) International Publication No	:WO 2010/094078
(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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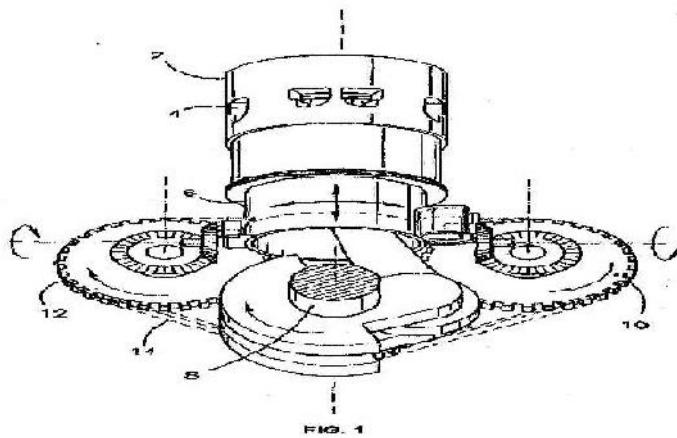
(72)Name of Inventor :

1)BENINCA, JOSEPH, ANGELO

2)JONES, MARK, FREDERICK

(57) Abstract :

A drive train for the sleeve of a sleeve valve engine has a pair of drives imparting compound motion to the sleeve which gives improved port opening and closing. One drive uses a engine driven first gear to give eccentric motion to the sleeve by a cam and follower. The other drive uses an engine driven second gear to give a small simultaneous rotation to the sleeve by an eccentric pin during a split sleeve. One drive allows axial response without preventing rotational response from the other drive. The sleeve path allows tall narrow ports which allow the piston rings to be nearer the piston crown and this reduces emissions.



No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/08/2011

(21) Application No.5938/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : INHIBITORS OF JUN N-TERMINAL KINASE

(51) International classification	:C07D 409/04
(31) Priority Document No	:61/207,126
(32) Priority Date	:06/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023404
Filing Date	:05/02/2010
(87) International Publication No	:WO 2010/091310
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**5)BOWERS SIMEON**

**6)TRUONG ANH**

**7)NEITZ R. JEFFREY**

**8)SEALY JENNIFER**

**9)TOTH GERGELY**

---

(57) Abstract :

The present disclosure provides inhibitors of c-Jun N-terminal kinases (JNK) having a structure according to the following formula (I); or a salt or solvate thereof, wherein ring A, Ca, Cb, Z, R5, W and Cy are defined herein. The disclosure further provides pharmaceutical compositions including the compounds of the present disclosure and methods of making and using the compounds and compositions of the present disclosure, e.g., in the treatment and prevention of various disorders, such as Alzheimer's disease.

No. of Pages : 267 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7364/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SLIDING SHELVES FOR REFRIGERATORS AND FREEZERS

(51) International classification

:F25D 25/02

(31) Priority Document No

:MU8900569-4

(32) Priority Date

:16/04/2009

(33) Name of priority country

:Brazil

(86) International Application No

:PCT/BR2010/000126

Filing Date

:16/04/2010

(87) International Publication No

:WO 2010/118492

(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)ELECTROLUX DO BRASIL S.A.

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BRAZIL

(72)Name of Inventor :

1)AMARAL, GUSTAVO GNOATTO

2)DAVIN, ADRIANO

3)FIAŁKOWSKI, VALKIRIA PEDRI

4)MIRANDA, JACQUES, EDOUARD DE HOLANDA

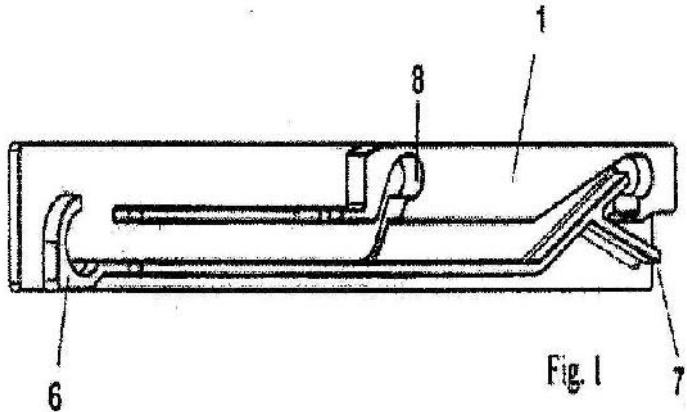
5)WOLFF, RODRIGO TELLES

6)GNYPEK, MARIO FILHO

7)LOPES, RAFAEL AMARAL ALONSO

(57) Abstract :

This invention relates to sliding shelves (2a, 2b, 4a, 4b) for refrigerators and freezers, which have a movement along side support guides (1) that enable the retracting, fitting and bounce of said shelves, allowing the choice of different configurations for the inner space of the household appliance, according to the area to be used to store food. This configuration enables different arrangement of shelves, including: extended shelves, retracted shelves, vertically bounced shelves, or even, in an associated form, an extended shelf and another bounced one.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2011

(21) Application No.6412/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS FOR GENERATING MODULATED JAMMING OF ELECTRO-OPTICAL DEVICES\*

(51) International classification	:H03K
(31) Priority Document No	:u20090249
(32) Priority Date	:25/03/2009
(33) Name of priority country	:Belarus
(86) International Application No	:PCT/IB2009/055983
Filing Date	:29/12/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SILVERPRINT LIMITED**

Address of Applicant :Tlaia Tower Office 601 2 Romanou Street 1070 Nicosia Cyprus

(72)Name of Inventor :

**1)SHTARNOV Vitaly Ivanovich**

(57) Abstract :

The invention is related to the instrument-making in particular to the electro - optical equipment more specifically to the apparatuses for generating modulated jamming of electro -optical devices and may be used at the electro -optical suppression stations to defend facilities from electro-optically guided weapons. The apparatus for generating modulated jamming of electro -optical devices comprises spherical/parabolic mirrors with the number of said spherical/parabolic mirrors being odd. Said mirrors being secured to the inner surface of the rotating cylinder in the area with irregular structures the number of said irregular structures on the rotating cylinder being equal to the number of spherical /parabolic mirrors. The inner surface of webs of the fixed and rotating cylinders being made as a mirror surface the mirrors being disposed opposite to said regular structures formed by regular webs. Each of said mirrors being disposed relative to the infrared .....

No. of Pages : 22 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7371/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : VARIABLE TRAVEL VALVE APPARATUS FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01L 5/00
(31) Priority Document No	:12/394,700
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025520
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/099393
(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 :1483 N. MT. JULIET ROAD, SUITE 141, MT, JULIET, TENNESSEE 37122, U.S.A

(72)Name of Inventor :

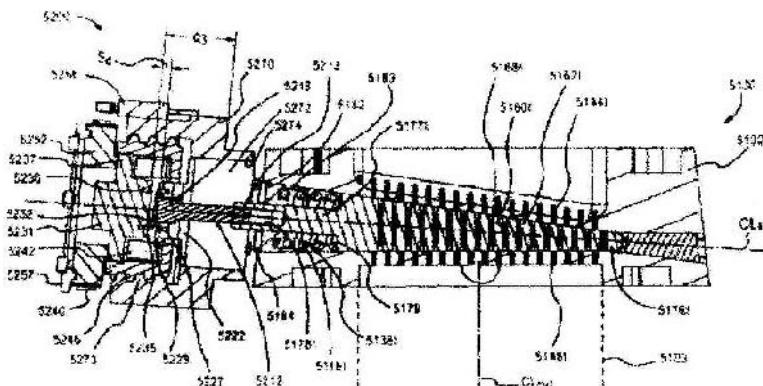
1)PRICE, CHARLES, E.

2)MOORE, HOWARD E.

3)STEPHENSON, KELLY E.

(57) Abstract :

An apparatus includes a valve and an actuator. The valve has a portion movably disposed within a valve pocket defined by a cylinder head of an engine. The valve is configured to move relative to the cylinder head a distance between a closed position and an opened position. The portion of the valve defines a flow opening that is in fluid communication with a cylinder of an engine when the valve is in the opened position. The actuator is configured to selectively vary the distance between the closed position and the opened position.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7374/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHARMACEUTICAL FORMULATIONS AND METHODS FOR TREATING RESPIRATORY TRACT INFECTIONS

(51) International classification	:A61K 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/163,772	<b>1)PULMATRIX, INC.</b>
(32) Priority Date	:26/03/2009	Address of Applicant :99 HAYDEN AVENUE, LEXINGTON, MASSACHUSETTS 02421, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/028906	<b>1)MICHAEL M. LIPP</b>
Filing Date	:26/03/2010	<b>2)ROBERT W. CLARKE</b>
(87) International Publication No	:WO 2010/111644	<b>3)DAVID L. HAVA</b>
(61) Patent of Addition to Application Number	:NA	<b>4)RICHARD BATYCKY</b>
Filing Date	:NA	<b>5)JOHN HANRAHAN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to pharmaceutical formulations for treating a respiratory tract infection or a pulmonary disease in an individual, comprising a calcium salt and a sodium salt, wherein the ratio of Ca+2 to Na+ is from about 4:1 (mole:mole) to about 16:1 (mole:mole). The invention also relates to methods of treating (including prophylactically treating) and reducing the spread of a respiratory tract infection, methods of treating (including prophylactically treating) a pulmonary disease or an acute exacerbation of a pulmonary disease, and methods of reducing the spread of an acute exacerbation of a pulmonary disease, comprising administering a pharmaceutical formulation that comprises a calcium salt and a sodium salt.

No. of Pages : 83 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7377/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : OXADIAZOLE DERIVATIVES

(51) International classification	:C07D 271/06
(31) Priority Document No	:09157301.4
(32) Priority Date	:03/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/054103
Filing Date	:29/03/2010
(87) International Publication No	:WO 2010/112461
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MERCK SERONO S.A.**

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COINSINS SWITZERLAND

(72)Name of Inventor :

**1)QUATTROPANI ANNA**

**2)MONTAGNE CYRIL**

**3)SAUER WOLFGANG**

**4)CROSIGNANI STEFANO**

**5)BOMBRUN AGNES**

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(57) Abstract :

The invention relates to compounds of formula I: wherein R1, R2, Ra, Rb, W, Q and S have the meanings given in claim 1. The compounds are useful e.g. in the treatment of autoimmune disorders, such as multiple sclerosis.

No. of Pages : 142 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7378/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ORGANIC COMPOUNDS AND THEIR USES

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(51) International classification	:C07D 209/96
(31) Priority Document No	:61/168,408
(32) Priority Date	:10/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/000784
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/116248
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)NOVARTIS AG**

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(72)Name of Inventor :

**1)BRANDL TRIXI**

**2)RIGOLLIER PASCAL**

**3)SIMIC OLIVER**

**4)RAMAN PRAKASH**

**5)SEEPERSAUD MOHINDRA**

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(57) Abstract :

The present application describes organic compounds of formula (I) that are useful for the treatment, prevention and/or amelioration of human diseases, in particular HCV.

No. of Pages : 146 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7379/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REACTOR

(51) International classification	:H01F 37/00
(31) Priority Document No	:2009-073255
(32) Priority Date	:25/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053098
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/110007
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SUMITOMO ELECTRIC INDUSTRIES, LTD.**

Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN.

(72)Name of Inventor :

**1)YOSHIKAWA KOUHEI  
2)KATOU MASAYUKI  
3)ITOU ATSUSHI  
4)YAMAMOTO SHINICHIRO  
5)KAWAGUCHI HAJIME**

(57) Abstract :

A compact reactor with excellent productivity and heat dissipation is provided. Reactor 1 includes a coil formed by spirally winding a wire 2w and a magnetic core 3 having an inside core portion inserted into the coil and an outside core portion 32 coupled to the inside core portion. These core portions form a closed magnetic circuit. The coil is covered with an inside resin portion 4 on the outer circumference thereof to form a coil molded unit 20a with its shape being held. The outer circumference of a combination unit 10 of the coil molded unit 20a and the magnetic core 3 is covered with an outside resin portion 5a. Reactor 1 a does not have a case and is thus compact. A surface of the outside core portion 32 on the installation side (core installation surface 32d) is exposed from the outside resin portion 5a and is in direct contact with a fixed object, thereby achieving excellent heat dissipation. The provision of the coil molded unit 20a facilitates the handling of the coil during assembly of reactor 1a, thereby achieving good productivity.

No. of Pages : 109 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6368/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN APPARATUS COMPRISING A SHAFT AND A BALANCING SLEEVE

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(51) International classification	:F16F 15/32
(31) Priority Document No	:EP09154259
(32) Priority Date	:03/03/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/052336
Filing Date	:24/02/2010
(87) International Publication No	:WO 2010/100062
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

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Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)Name of Inventor :

**1)KNOWLES; GRAHAME**

(57) Abstract :

An apparatus comprising a shaft (21 or 51 or 81) mounted for rotation and a balancing sleeve (23 or 53 or 83) for balancing the shaft during rotation, the balancing sleeve having first (25 or 55 or 85) and second (29 or 59 or 89) ends, the first end being secured to the shaft so that the balancing sleeve is substantially concentric with the shaft and rotates with the shaft, the second end incorporating balancing weight to balance the shaft at lower speeds of rotation of the shaft where there is substantially no flexing of the shaft, wherein the lengthwise stiffness of the balancing sleeve is matched to the lengthwise stiffness of the shaft to maintain balance of the shaft at higher speeds of rotation of the shaft where there is flexing of the shaft.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7284/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR INDUCING CELL DEATH IN PLURIPOTENT STEM CELLS AND DIFFERENTIATED CELLS OTHER THAN CARDIAC MYOCYTES

(51) International classification	:C12N 5/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-083553	<b>1)DAIICHI SANKYO COMPANY LIMITED</b>
(32) Priority Date	:30/03/2009	Address of Applicant :3-5-1, NIHONBASHI HONCHO, CHUO-KU, TOKYO 1038426, JAPAN
(33) Name of priority country	:Japan	<b>2)KEIO UNIVERSITY</b>
(86) International Application No	:PCT/JP2010/056108	(72) <b>Name of Inventor :</b>
Filing Date	:29/03/2010	<b>1)HATTORI FUMIYUKI</b>
(87) International Publication No	:WO 2010/114136	<b>2)FUKUDA KEIICHI</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 has as its object developing a method that does not involve genomic modification and which yet is capable of inducing cell death in pluripotent stem cells such as embryonic stem cells and induced pluripotent stem cells, as well as in differentiated cells other than cardiomyocytes derived from pluripotent stem cells, but not in cardiomyocytes. It has been revealed that by establishing a method capable of inducing cell death in cells other than cardiomyocytes in a very efficient manner by adding a substance having no recognized inherent toxicity or cell death inducing action to the culture conditions for pluripotent stem cells and non-cardiomyocytes, the stated problem can be solved without relying upon genomic modification.

No. of Pages : 45 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7340/DELNP/2011 A

(43) Publication Date : 11/10/2013

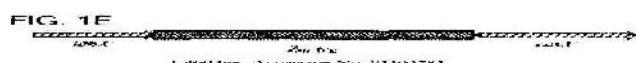
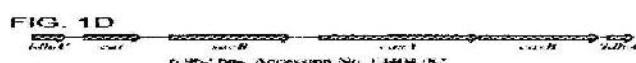
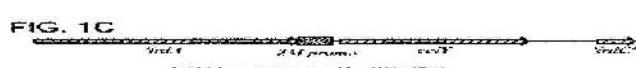
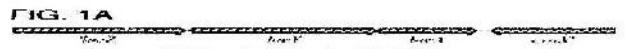
(54) Title of the invention : ETHANOLOGENIC BACTERIA AND THEIR USE IN ETHANOL PRODUCTION

(51) International classification :C12P 7/06  
(31) Priority Document No :61/209,334  
(32) Priority Date :05/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/020051  
Filing Date :04/01/2010  
(87) International Publication No :WO 2010/101665  
(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 :P.O.BOX 115500, GAINESVILLE, FL 32611-5500, UNITED STATES OF AMERICA  
(72)Name of Inventor :  
**1)MILLER, ELLIOT, NORMAN  
2)JARBOE, LAURA, R.  
3)YOMANO, LORRAINE, P.  
4)YORK, SEAN, W.  
5)SHANMUGAM, KEELNATHAM  
6)INGRAM, LONNIE, O'NEAL**

(57) Abstract :

The invention relates to bacterium that have increased resistance to furfural and methods of preparation. The invention also relates to methods of producing ethanol using the bacterium and corresponding kits.



No. of Pages : 144 No. of Claims : 96

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7394/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND MEANS FOR FEEDING FLUIDISABLE MATERIALS

(51) International classification	:B65G 53/22
(31) Priority Document No	:20091305
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000114
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/114382
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NORSK HYDRO ASA

Address of Applicant :N-0240 OSLO, NORWAY

(72)Name of Inventor :

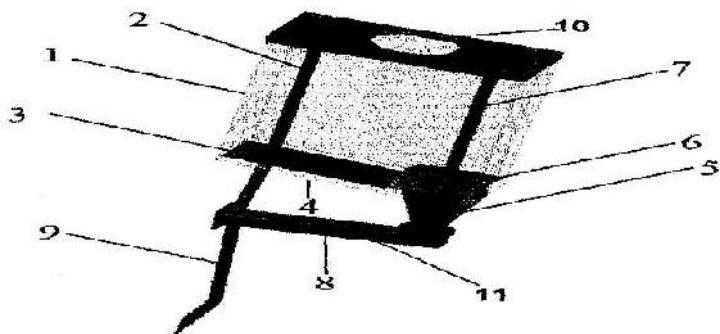
1)MORTEN KARLSEN

2)ARE DYR`Y

3)TORE ~REN

(57) Abstract :

A method and means for feeding of material in fluidised state, by means of a silo (1) with at least one fluidisable element (3) inside the silo (1), in the bottom thereof, where said element, when activated, being able to transport material towards one first outlet and further to a fluidised conveyer (11) for controlled dosage via one second outlet (9). The material fed to the first outlet is received by a feeding reservoir formed as a substantially vertical part (5) preferably a cone, that converges downwards onto said conveyor (11). Above the reservoir there is arranged one roof (6) that makes the pressure in the material in the reservoir independent of the silo's filling rate. (Fig. 1 to be published with Abstract)



**Fig. 1**

No. of Pages : 11 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7396/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MIXED METAL CATALYST SYSTEMS HAVING A TAILORED HYDROGEN RESPONSE

(51) International classification	:C08F 10/00
(31) Priority Document No	:61/178,197
(32) Priority Date	:14/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034963
Filing Date	:14/05/2010
(87) International Publication No	:WO 2010/132811
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)SUN-CHUEH KAO**

**2)FRANCIS C. RIX**

**3)DONGMING LI**

**4)C. JEFF HARLAN**

**5)PARUL A. KHOKHANI**

---

(57) Abstract :

A polymerization catalyst system and polymerization processes using the catalyst systems are disclosed. The polymerization catalyst systems may include a) a first catalyst compound, and b) a second catalyst compound, wherein the first catalyst compound includes an oxadiazole-containing compound. In some embodiments, the oxadiazole-containing compound has essentially no hydrogen response, thus allowing better and / or tailored control of product properties when producing polymers using the catalyst system.

No. of Pages : 54 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2011

(21) Application No.6409/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : DISHWASHER AND PROCESS FOR RINSING OF WASH ITEMS

(51) International classification	:H03K
(31) Priority Document No	:0950032-3
(32) Priority Date	:30/01/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050082
Filing Date	:28/01/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)WEXI-DISK AB**

Address of Applicant :Mrdvgen 4 S-352 45 Vxj Sweden.

(72)Name of Inventor :

**1)Roger FRANSSON**

(57) Abstract :

A dishwasher (10) for the batch washing of wash items (20) comprises a wash chamber (24) which is arranged to accommodate wash items (20) and in which spray members (34a-b) for spraying out washing liquid and rinsing liquid are disposed; a wash tank (28) which is arranged to contain washing liquid which during a wash phase shall be supplied to the wash chamber (24) via the spray members (34a-b); a recirculating rinse tank (52) which is arranged to contain used rinsing liquid which during a rinse phase shall be supplied to the wash chamber (24) via the spray members (34a-b); members (62) for supplying final-rinse liquid which during a final-rinse phase shall be supplied to the wash chamber (24) via the spray members (34a-b);

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7351/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ARYLF ETHER OLIGOMERS AND PROCESS FOR MAKING ARYLF ETHER OLIGOMERS

(51) International classification	:H01H 36/00
(31) Priority Document No	:12/533,558
(32) Priority Date	:31/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039573
Filing Date	:26/06/2010
(87) International Publication No	:WO 2010/113437
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)CHEMTURA CORPORATION**

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MIDDLEBURY,CONNECTICUT 06749, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)LARRY D. TIMBERLAKE**

**2)JULIE E. WHITE**

(57) Abstract :

An aryl composition includes aryl ether oligomers. These compositions may be prepared by reaction of one or more dihalobenzenes with one or more dihydroxybenzenes by an Ullman ether reaction. The oligomers may have two or more benzene rings and include terminal halogen, e.g., bromine (Br), or hydroxyl (OH) groups. These oligomers may be brominated to form flame retardant compositions for thermoplastic polymers.

No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7355/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : HYDROGEN GENERATION SYSTEMS AND METHODS UTILIZING SODIUM SILICIDE AND SODIUM SILICA GEL MATERIALS

(51) International classification	:B01J 7/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,888	<b>1)SIGNA CHEMISTRY, INC.</b>
(32) Priority Date	:30/03/2009	Address of Applicant :530 EAST 76TH STREET, SUITE 9E, NEW YORK, NY 10021, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/029257	<b>1)ANDREW P. WALLACE</b>
Filing Date	:30/03/2010	<b>2)JOHN MELACK</b>
(87) International Publication No	:WO 2010/114849	<b>3)MICHAEL LEFENFELD</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems, devices, and methods combine reactant materials and aqueous solutions to generate hydrogen. The reactant materials can be sodium silicide or sodium silica gel. The hydrogen generation devices are used in fuel cells and other industrial applications. One system combines cooling, pumping, water storage, and other devices to sense and control reactions between reactant materials and aqueous solutions to generate hydrogen. Multiple inlets of varied placement geometries deliver aqueous solution to the reaction. The reactant materials and aqueous solution are churned to control the state of the reaction. The aqueous solution can be recycled and returned to the reaction. One system operates over a range of temperatures and pressures and includes a hydrogen separator, a heat removal mechanism, and state of reaction control devices. The systems, devices, and methods of generating hydrogen provide thermally stable solids, near-instant reaction with the aqueous solutions, and a non-toxic liquid by-product.

No. of Pages : 84 No. of Claims : 66

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7358/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THIENOPYRIDINE DERIVATIVES FOR THE TREATMENT AND PREVENTION OF DENGUE VIRUS INFECTIONS

(51) International classification	:A01N 43/42
(31) Priority Document No	:61/156,132
(32) Priority Date	:27/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025183
Filing Date	:24/02/2010
(87) International Publication No	:WO 2010/099166
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIGA TECHNOLGIES, INC.**

Address of Applicant :4575 SW RESEARCH WAY, SUITE 230 CORVALLIS, OR 97333, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)CHELSEA M. BYRD**

**2)DONGCHENG DAI**

**3)ROBERT JORDAN**

**4)DENNIS E. HRUBY**

---

(57) Abstract :

Methods and pharmaceutical compositions for treating viral infections, by administering certain thienopyridine derivative compounds in therapeutically effective amounts are disclosed. Methods of using the compounds and pharmaceutical compositions thereof are also disclosed. In particular, the treatment and prophylaxis of viral infections such as caused by flavivirus is disclosed, i.e., including but not limited to. Dengue virus. West Nile virus, yellow fever virus, Japanese encephalitis virus, and tick-borne encephalitis virus.

No. of Pages : 128 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7406/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CONSTRUCTIONAL ELEMENT, AND A METHOD FOR PRODUCING THE ELEMENT

(51) International classification	:E04C 2/288
(31) Priority Document No	:0900257-7
(32) Priority Date	:27/02/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/000046
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/098712
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GIVENT LTD.**

Address of Applicant :TOWER GATE PLACE, TAI-QROGG STREET, MT-MSIDA, MSD 1703, MALTA

**2)ROGER ERICSSON**

(72)Name of Inventor :

**1)ERICSSON, ROGER**

(57) Abstract :

The present Invention relates to a constructional element (10; 20; 30) for use in building structures. The element having a least a first (21) and a second side (22) extending substantially parallel to each other and comprises: a continuous board (11); a continuous insulating layer (12) with substantially the same size as the board, said insulating layer is aligned, and bounded to, one side of the board; a first (27) and a second (28) load bearing beam of high performance concrete extending along said first and second side; at least one elongated load bearing element (13) of high performance concrete extending between said first and second load bearing beam; wherein said elongated load bearing element and said first and second load bearing beam are extending in grooves (17, 24, 29) in the side of the insulating layer facing away from the board, said load bearing element, and first and second load bearing beams are separated from the board.

No. of Pages : 17 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2011

(21) Application No.7156/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : PRODUCTION OF FERMENTIVE END PRODUCTS FROM CLOSTRIDIUM SP

(51) International classification	:C12P 1/04
(31) Priority Document No	:61/158,600
(32) Priority Date	:09/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026730
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/104896
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)QTEROS, INC.

Address of Applicant :100 VENTURE WAY, HADLEY, MA 01035, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)PAREKH, SARAD

2)KARIM, KHURSHEED

3)KILBANE, JOHN

(57) Abstract :

In one aspect, methods to enhance the production of ethanol and other fermentive end products from a wide variety of feedstocks by Clostridium microorganisms, such as Clostridium phytofermentans are disclosed. A method of improving fermentation performance of Clostridium microorganisms, such as Clostridium phytofermentans through the use of a fed-batch strategy is described, as well as methods of producing fermentive end products, such as alcohols and/or chemicals by fermenting Clostridium microorganisms, such as Clostridium phytofermentans in the presence of fatty acid-containing compounds and/or at reduced pH.

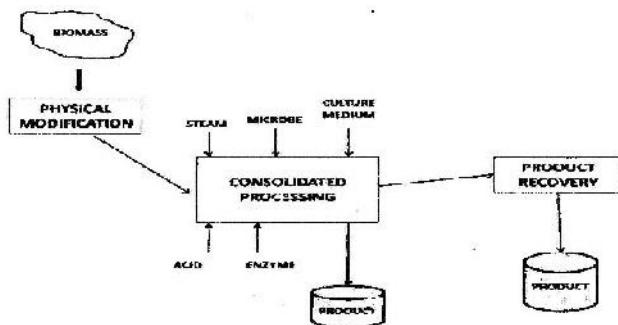


FIGURE 9

No. of Pages : 90 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7366/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : IMPROVED PROCESS

(51) International classification	:C07D 401/04
(31) Priority Document No	:383/KOL/2009
(32) Priority Date	:02/03/2009
(33) Name of priority country	:India
(86) International Application No	:PCT/GB2010/050352
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/100476
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GENERICs [UK] LIMITED**

Address of Applicant :ALBANY GATE, DARKES LANE,  
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KINGDOM

(72)Name of Inventor :

**1)GORE, VINAYAK GOVIND**

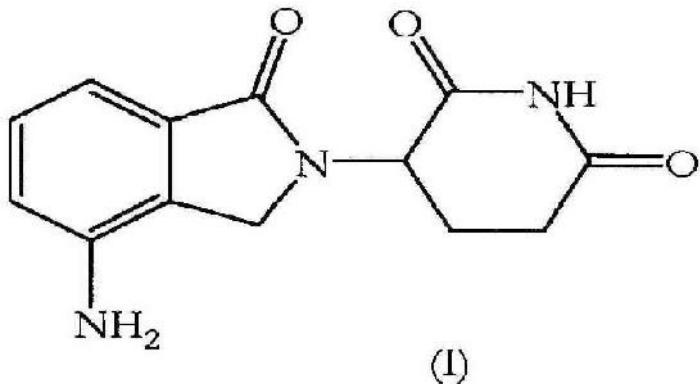
**2)SHUKLA, VINAY KUMAR**

**3)BHANDARI, SHERYAS**

**4)HASBE, SURESH**

(57) Abstract :

The present invention relates to improved processes for preparing 3-(4-amino-1-oxo-1,3-dihydro-isoindol-2-yl)-piperidine-2,6-dione (I) (lenalidomide) and its intermediate 3-(1-oxo-4-nitro-1,3-dihydro-isoindol-2-yl)-piperidine-2,6-dione. The present invention further relates to improved processes for preparing lenalidomide crystalline form A, use of said crystalline form A as an active pharmaceutical ingredient or as an intermediate in the preparation of further crystalline or amorphous forms of lenalidomide, compositions comprising lenalidomide crystalline form A and their use in the treatment of disease.



No. of Pages : 39 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7367/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : POROUS CARBON AND PROCESS FOR PRODUCING SAME

(51) International classification	:C01B 31/02
(31) Priority Document No	:2009-056521
(32) Priority Date	:10/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053956
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/104102
(61) 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 TANSO CO., LTD.

Address of Applicant :7-12, TAKESHIMA 5-CHOME,  
NISHIYODOGAWA-KU, OSAKA-SHI, OSAKA 5550011,  
JAPAN

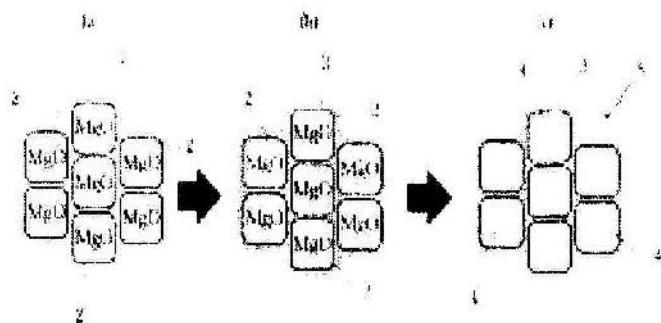
(72)Name of Inventor :

1)MORISHITA, TAKAHIRO

(57) Abstract :

A porous carbon that retains a three-dimensional network structure and enables the pore diameters of mesopores and micropores to be controlled easily is provided. A method of manufacturing the porous carbon is also provided. The porous carbon is fabricated by mixing a polyamic acid resin 1 as a carbon precursor with magnesium oxide 2 as template particles, heat-treating the mixture in a nitrogen atmosphere at 1000°C for 1 hour to cause the polyamic acid resin to undergo heat decomposition, and washing the resultant sample with a sulfuric acid solution at a concentration of 1 mol/L to dissolve MgO away.

FIG. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7368/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR PREPARING CHA-TYPE MOLECULAR SIEVES USING NOVEL STRUCTURE DIRECTING AGENTS

(51) International classification	:C01B 39/48
(31) Priority Document No	:61/166,198
(32) Priority Date	:02/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029624
Filing Date	:01/04/2009
(87) International Publication No	:WO 2010/114996
(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 :6001 BOLLINGER CANYON ROAD,  
SAN RAMON, CALIFORNIA 94583, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

1)STACEY I. ZONES

(57) Abstract :

The present invention is directed to a process for preparing CHA-type molecular sieves using at least one cationic 1,4-diazabicyclo[2.2.2]octane-based structure directing agent in conjunction with at least one cationic cyclic nitrogen-containing structure directing agent.

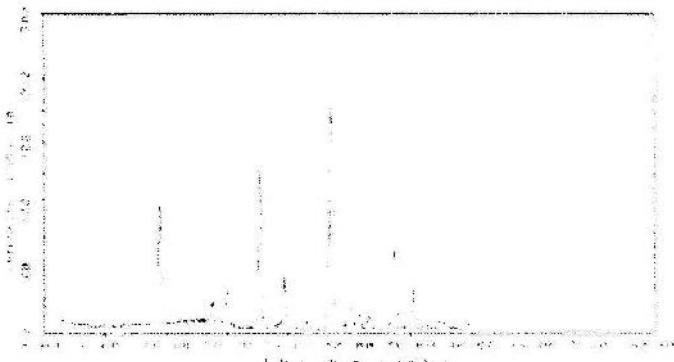


FIG. 1

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7427/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CURABLE SYSTEM

(51) International classification	:C08L 63/00	(71) <b>Name of Applicant :</b> <b>1)HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH</b> Address of Applicant :LEGAL SERVICES DEPARTMENT
(31) Priority Document No	:09159360.8	IP, KLYBECKSTRASSE 200, CH-4057 BASEL, SWITZERLAND
(32) Priority Date	:05/05/2009	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/053874	<b>1)JOSEF GRINDLING 2)CHRISTIAN BEISELE 3)ASTRID BEIGEL 4)CLIFF BEARD</b>
Filing Date	:25/03/2009	
(87) International Publication No	:WO 2010/127907	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a curable system comprising at least two compositions (A) and (B), a method for the manufacturing of a cured product as well as cured products obtainable by the method. Further disclosed the use of the cured products as electrical insulator as well as the use of the curable system for the manufacture of components or parts of electrical equipment.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7430/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : DEVICE AND METHOD CONTINUOUSLY MEASURING HORIZONTAL FLUX OF DUSTFALL IN ATMOSPHERE

(51) International classification	:G01N 15/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-089493	<b>1)NIPPON STEEL &amp; SUMITOMO METAL CORPORATION</b>
(32) Priority Date	:01/04/2009	Address of Applicant :6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/002416	(72) <b>Name of Inventor :</b>
Filing Date	:01/04/2010	<b>1)NOBUAKI ITO</b>
(87) International Publication No	:WO 2010/113520	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A continuous atmospheric horizontal dustfall flux measurement apparatus includes: a dust sampling port that includes a ceiling plate, a side wall, and four or more partition plates; a suction pipe; a continuous dust amount measurement device that continuously measures a dust amount per unit time; a blower or a compressor; an exhaust port, wherein the side wall is a plate that has a vertical center axis and has a side surface with a substantially circular or polygonal truncated cone shape widened upward, and wherein the side wall includes a suction port which is formed at the lower end thereof so as to be connected to the suction pipe and an external air inlet which has four or more openings disposed at the same interval in the circumferential direction of the side wall at a constant height near the upper end thereof

No. of Pages : 82 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6228/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR NEAR REAL-TIME COMMUNICATION

(51) International classification	:H02M
(31) Priority Document No	:61/148,885
(32) Priority Date	:30/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/057893
Filing Date	:22/09/2009
(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)Voxer IP LLC

Address of Applicant :512 Second Street San Francisco CA  
94107 U.S.A

(72)Name of Inventor :

1)Thomas E. KATIS

2)James T. PANTTAJA

3)Mary G. PANTTAJA

4)Matthew J. RANNEY

(57) Abstract :

An email client capable of supporting real-time communication of time-based media. The email client includes a session element configured to establish a session with a server when an email address addressing a recipient within a domain is defined. As soon as the email address is defined a transmitting element of the email client is configured to progressively and simultaneously transmit time-based media as the time-based media is being created to the recipient via a route at least partially discovered by a lookup of the domain of the email address. By at least partially discovering the route to the recipient as soon as the email address of the recipient is defined the transmitting element may progressively deliver the time-based media to the recipient.

No. of Pages : 67 No. of Claims : 168

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.6229/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPROVED ROTOR-BLADE CONTROL SYSTEM AND METHOD

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(51) International classification	:H02M
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/031388
Filing Date	:19/01/2009
(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)BELL HELICOPTER TEXTRON INC.**

Address of Applicant :P.O. Box 482 Fort Worth TX 76101  
U.S.A

(72)Name of Inventor :

**1)STAMPS Frank B.**

**2)RAUBER Richard E.**

(57) Abstract :

A blade-pitch control system has a swashplate configured for continuous rotation with an associated rotor and mast and at least one link connects the swashplate to each blade of the rotor. The swashplate provides for collective control of the pitch angle of the blades through selective rotation of the swashplate about a swashplate axis while the swashplate is rotating with the rotor and mast. The system can be configured to provide for cyclic control of the pitch angle of the blades through planar translation of the swashplate or through tilting of the swashplate about axes generally perpendicular to the swashplate axis.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7274/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD OF MAKING CHEMICALLY RESISTANT MOULDS AND TOOLS

(51) International classification	:B29C 33/40	(71) <b>Name of Applicant :</b> <b>1)HUNTSMAN ADVANCED MATERIALS (SWITZERLAND GMBH)</b> Address of Applicant :LEGAL SERVICES DEPARTMENT -
(31) Priority Document No	:09158740.2	
(32) Priority Date	:24/04/2009	
(33) Name of priority country	:EPO	
(86) International Application No	:PCT/EP2010/052325	
Filing Date	:24/02/2010	
(87) International Publication No	:WO 2010/121853	(72) <b>Name of Inventor :</b> <b>1)DUNCAN HOWLAND</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 of producing a tool or mould is claimed which comprises (A) application of a seamless modelling paste comprising at least one resin system (a) and at least one hardener system (b) onto a substrate to form a continuous film of curable material (B) curing the seamless modelling paste. The composition used comprises a resin system (a) comprising an epoxy resin (a1) having an average epoxy functionality above 2 and the hardener system (b) comprising an amine compound (b1) having an average amine functionality above 2.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7328/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ACTIVATED LEUKOCYTE COMPOSITION

(51) International classification	:A61K 35/16
(31) Priority Document No	:61/209,298
(32) Priority Date	:05/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/000882
Filing Date	:05/03/2010
(87) International Publication No	:WO 2010/100570
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

**(71)Name of Applicant :**

**1)MACROCURE, LTD.**

Address of Applicant :9 BAREKET STREET, P.O.BOX 7988,  
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**2)NA**

**(72)Name of Inventor :**

**1)SHIRVAN MITCHELL**

**2)SHINAR EILAT**

**3)FRENKEL ORIT**

**4)ZULOFF-SHANI ADI**

**5)BUBIS MARINA**

**6)BAIN EILAT**

**7)GINIS IRENE**

---

**(57) Abstract :**

Disclosed are therapeutic, blood-derived activated leukocyte compositions, methods of making them, and methods of using the compositions to repair or promote healing of wounds.

No. of Pages : 36 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2011

(21) Application No.7383/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ADJUSTABLE MECHANICAL SEAL

(51) International classification	:F16J 15/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0629-2009	<b>1)VULCO S.A</b>
(32) Priority Date	:16/03/2009	Address of Applicant :SAN JOSE 0815, SAN
(33) Name of priority country	:Chile	BERNARDO,SANTIAGO, CHILE
(86) International Application No	:PCT/AU2010/000308	(72) <b>Name of Inventor :</b>
Filing Date	:16/03/2010	<b>1)ABARCA MELO, RICARDO</b>
(87) International Publication No	:WO 2010/105296	<b>2)GUZMAN CASTRO, RODRIGO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)QUIROZ VENEGAS, OSVALDO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A mechanical seal is disclosed that has first and second sealing faces that are urged into contact to form a seal therebetween. One sealing face is mounted on a rotatable portion of the seal and the second sealing face is mounted on a support assembly. The joint further comprises a joint permitting rotary movement between the support assembly and a stationary portion of the seal to allow adjustment of the position of the rotatable portion relative to the stationary portion without affecting the alignment of the first and second sealing faces.

No. of Pages : 29 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7440/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STRUCTURED METAL HEAT SHIELD

(51) International classification	:B60R 13/08
(31) Priority Document No	:00535/09
(32) Priority Date	:01/04/2009
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/EP2010/053658
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/112354
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AUTONEUM TECHNOLOGIES AG**

Address of Applicant :POSTFACH,  
SCHLOSSSTALSTRASSE 43, CH-8406 WINTERTHUR,  
SWITZERLAND

(72)Name of Inventor :

**1)CAPRIOLI DAVIDE**

**2)MELNYKOWYCZ MARK**

(57) Abstract :

Heat shield for a vehicle comprising at least one layer of a 3D structured metal sheet with a plurality of indentations or embossments (2), wherein all the embossments are protruding towards the same direction normal to the surface of the plain sheet material, defined as the neutral plane n, essentially by the same distance h away from this neutral plane, and whereby the plurality of embossments together are forming a regular network, whereby essentially each embossment intersects with at least two other embossments to form a junction (1).

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7214/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SINGLE-LAYER OR MULTILAYER TUBULAR FOOD PACKAGING FILM THAT CAN BE SMOKED, AIR-DRIED, AND PEELED, ESPECIALLY PEELED IN A FULLY AUTOMATIC MANNER, AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification	:A22C 13/00
(31) Priority Document No	:10 2009 009 859.3
(32) Priority Date	:20/02/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2009/007683 :27/10/2009
(87) International Publication No	:WO 2010/094309
(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)KUHNE ANLAGENBAU GMBH

Address of Applicant :EINSTEINSTRASSSE 20, 53757 ST.  
AUGUSTIN/MENDEN (DE) Germany

(72)Name of Inventor :

1)SCHIFFMANN, JURGEN

(57) Abstract :

The present invention relates to a single-layer or multilayer tubular food packaging film that can be smoked, air-dried and peeled, in particular peeled in a fully automated manner , in particular a sausage casing, for smoked and/or air-dried sausage or meat goods, wherein the polymer-based food film is manufactured of a homogeneous molten plastic material in a (co-)extrusion film blow molding plant by means of (co-)extruded plastics supplied to a nozzle of a blow head and biaxially stretched in the triple-bubble process, the homogeneous molten plastic material being produced of a plastic blend of PS or a blend of various PSs and PVOHs and/or PEAs. The present invention moreover relates to a method for the manufac-ture of the food film.

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7215/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : OPRICAL INSPECTION SYSTEM EMPLOYING SHORT WAVE INFRARRED SENSING

(51) International classification	:G01N 21/35
(31) Priority Document No	:61/154,192
(32) Priority Date	:20/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/001051
Filing Date	:19/02/2010
(87) International Publication No	:WO 2010/094495
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PHILIP MORRIS PRODUCTS S.A.

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(72)Name of Inventor :

1)SHYY, YEU-HWA

(57) Abstract :

A system for inspecting cigarette paper containing banded regions and non-banded regions. The system includes a short wave infrared camera (224), the short wave infrared camera forming electrical signals representing properties of the cigarette paper and a processor for analyzing the electrical signals to provide analysis results, the processor including logic for successively examining pixels to determine whether each successive pixel corresponds to a non-banded region or a banded region; logic for computing spacing between adjacent banded regions on the cigarette paper based on results provided by the logic for successively examining; and logic for computing width of banded regions on the cigarette paper based on results provided by the logic for successively examining. An online method for inspecting paper containing banded regions and non-banded regions is also provided.

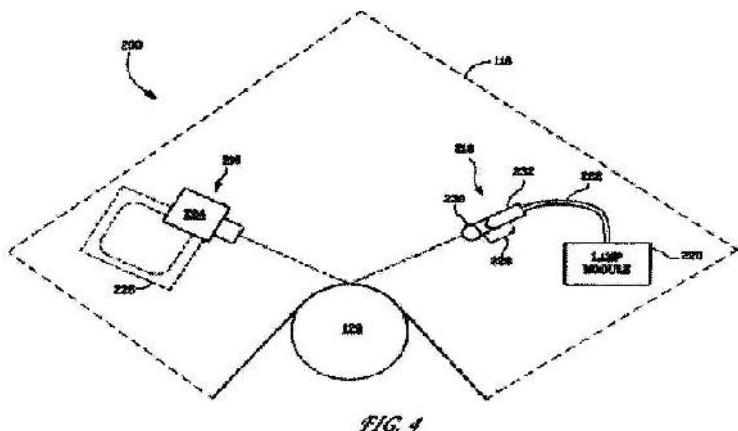


FIG. 4

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7216/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A HEART VALVE

(51) International classification

:A61F 2/00

(31) Priority Document No

:2008/09338

(32) Priority Date

:28/02/2009

(33) Name of priority country

:South Africa

(86) International Application No  
Filing Date

:PCT/IB2010/000398  
:26/02/2010

(87) International Publication No

:WO 2010/097694

(61) Patent of Addition to Application  
Number

:NA  
:NA

Filing Date

:NA  
:NA

(62) Divisional to Application Number

Filing Date

(71)Name of Applicant :

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(72)Name of Inventor :

**1)SCHEFFER, CORNELIUS**

**2)ESTERHUYSE, ANTON HEINRICH**

**3)SMUTS, ADRIAAN NICOLAAS**

**4)VAN ASWEGEN, KARL**

**5)VAN DER WESTHUIZEN, KOBUS**

**6)BLAINE, DEBORAH CLARE**

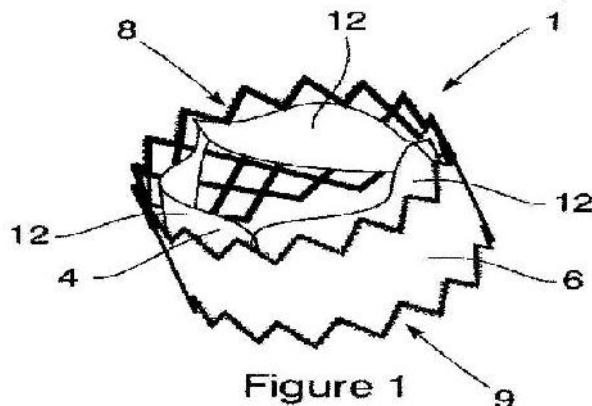
**7)DOUBELL, ANTON FRANS**

**8)WEICH, HELLMUTH STEPHAN VON HEYDERHOFF**

**9)GROENWOLD, ALBERT ANNE**

(57) Abstract :

A heart valve (1) is provided in which a valve member including a plurality of valve leaflets (12) secured together is secured within a stent (2). The leaflets are made of a biologic material that has a maximum thickness of 0.3 mm. Suitably treated kangaroo tissue such as that treated using the ADAPT<sub>TM</sub> technology is considered appropriate. Each leaflet preferably has an arcuate shaped side (18) for attachment to the stent. The resultant crimped stent may have a maximum diameter of about 7.5 or even 7.0 mm. Preferably, a sleeve (6) made of a porous, biocompatible material extends about the outer surface of the stent, along at least a part, and typically all of its length. Preferably, the stent is configured to initially expand at both ends (8, 9), this being conveniently achieved by using a stent in the form of a mesh defined by interconnected struts with the struts in a central region being stronger than the struts in the end regions. Fig.1



No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7459/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS AND METHOD FOR THE PRODUCTION OF CARBON NANOTUBES ON A CNTINUOUSLY MOVING SUBSTRATE

(51) International classification	:D01C 5/00
(31) Priority Document No	:61/168,516
(32) Priority Date	:10/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025660
Filing Date	:26/02/2010
(87) International Publication No	:WO 2010/117515
(61) 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 NANOSTRUCTURED SOLUTIONS, LLC**  
Address of Applicant :2323 EASTERN BLVD.,  
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(72)**Name of Inventor :**

- 1)MALECKI, HARRY, C.**
- 2)LOEBACH, JAMES, P.**
- 3)SHAH, TUSHAR, K.**
- 4)ALBERDING, MARK, R.**
- 5)BRAINE, JACK, K.**
- 6)LARUE, JOHN, A.**

(57) Abstract :

An apparatus having at least one carbon nanotube growth zone having a substrate inlet sized to allow a spoolable length substrate to pass therethrough. The apparatus also has at least one heater in thermal communication with the carbon nanotube growth zone. The apparatus has at least one feed gas inlet in fluid communication with the carbon nanotube growth zone. The apparatus is open to the atmosphere during operation.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7294/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A METHOD FOR WAY ALLOCATION AND WAY LOCKING IN A CACHE

(51) International classification	:G06F 12/08
(31) Priority Document No	:12/413,124
(32) Priority Date	:27/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028892
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/111636
(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)OWEN, JONATHAN**

**2)KRISHNAN, GUHAN**

**3)DIETZ, CARL, D.**

**4)BEARD, DOUGLAS, RICHARD**

**5)LEWCHUK, WILLIAM, K.**

**6)BRANOVER, ALEXANDER**

---

(57) Abstract :

A system and method for data allocation in a shared cache memory of a computing system are contemplated. Each cache way of a shared set-associative cache is accessible to multiple sources, such as one or more processor cores, a graphics processing unit (GPU), an input/output (I/O) device, or multiple different software threads. A shared cache controller enables or disables access separately to each of the cache ways based upon the corresponding source of a received memory request. One or more configuration and status registers (CSRs) store encoded values used to alter accessibility to each of the shared cache ways. The control of the accessibility of the shared cache ways via altering stored values in the CSRs may be used to create a pseudo-RAM structure within the shared cache and to progressively reduce the size of the shared cache during a power-down sequence while the shared cache continues operation.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7295/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : NOVEL AMINOPYRIDINE DERIVATIVES HAVING AURORA A SELECTIVE INHIBITORY ACTION

(51) International classification

:A61K 31/535

(31) Priority Document No

:61/162,466

(32) Priority Date

:23/03/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/027109

Filing Date

:12/03/2010

(87) International Publication No

:WO 2010/111050

(61) Patent of Addition to Application Number

:NA

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

:NA

(71)Name of Applicant :

1)MSD K. K.

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1)BINCH, HAYLEY

2)HASHIMOTO, MASAYA

3)IWAMA, TOSHIHARU

4)KAWANISHI, NOBUHIKO

5)MORTIMORE, MICHAEL

6)OHKUBO, MITSURU

7)SUNAMI, TOMOKO

---

(57) Abstract :

The present invention relates to a compound of Formula (I): wherein: R1 is H or C1-2 alkyl; R2 is H or C1-3 alkyl; R3 and R4 are each independently H or C1-2 alkyl, where the alkyl may be substituted with one to three of the same or different substituents selected from R10; R5 is H, hydroxy, C1-2 alkyl, or OCH3; and R10 is F or Cl, or a pharmaceutically acceptable salt or ester thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7297/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : STARTER RELAY OF A STARTER DEVICE FOR INTERNAL COMBUSTION ENGINES

(51) International classification	:H01H 51/06
(31) Priority Document No	:10 2009 001 725.9
(32) Priority Date	:23/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053666
Filing Date	:22/03/2010
(87) International Publication No	:WO 2010/108878
(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)RAMEZANIAN, HOUMAN**

**2)WEIGT, JOSEF**

**3)SCHYMURA, RAPHAEL**

---

(57) Abstract :

Described herein is a starter relay (19) of a starter device (10) for internal combustion engines. The starter relay (19) includes a relay coil (27) and an armature (20), which interacts with a fork lever (21) by way of a driver (24) so as to toe-in a starter pinion. In addition, the starter relay (19) includes a contact bridge (34) which is to be actuated by the armature by way of a switch shaft (32) and interacts with switch contacts (23a), where a coupling (33b) connects the switch shaft and the armature such that they can be displaced with respect to each other to a limited extent. Further, a pre-tensioned compression spring (26) is inserted between the armature (20) and an end of the fork lever (21).

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7298/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTRIC CONNECTION OF CONDUCTOR ENDS ARRANGED IN PAIRS AND METHOD FOR ESTABLISHING THE CONNECTION

(51) International classification	:H02K 15/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 001 850.6	<b>1)ROBERT BOSCH GMBH</b>
(32) Priority Date	:25/03/2009	Address of Applicant :POSTFACH 30 02 20, STUTTGART
(33) Name of priority country	:Germany	70442 GERMANY
(86) International Application No	:PCT/EP2010/051606	(72) <b>Name of Inventor :</b>
Filing Date	:10/02/2010	<b>1)WOLF, GERT</b>
(87) International Publication No	:WO 2010/108726	
(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 establishing an electrica connection of pair-wise overlapping and mutually aligned conductor ends (26b) of a winding (13) existing from single wires (26), preferably having a rectangular-shaped cross section is described. The method includes arranging the existing winding (13), wherein individual conductors are arranged with respect to each other in several layers, preferably in slots of a sheet pack (12) and offset to a face of the sheet package in laterally opposite directions; arranging a plurality of the pairs of conductor ends (26b) side by side at a distance (a), wherein a nanofoil (30) is stacked between the conductor ends (26b) to electrically connect in pairs; pressing the conductor ends (26b) together for clamping the nanofoil (30); and soldering or welding the conductor ends (26b) together by igniting the nanofoil (30).

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7625/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DISPARATE RADIOS IN A WIRELESS MESH NETWORK

---

(51) International classification	:H04W 84/18
(31) Priority Document No	:12/384,012
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000967
Filing Date	:31/03/2009
(87) International Publication No	:WO 2010/117426
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)ROSEMOUNT INC.**

Address of Applicant :12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344, U.S.A.

(72)Name of Inventor :

**1)ORTH KELLY MICHAEL**

(57) Abstract :

A wireless mesh network that makes use of strategically placed nodes with radios having superior communication range through the use of high gain antennas, MIMO technology, high power transmitters, high sensitivity receivers, a combination thereof, etc. Besides the obvious effect of extending the physical coverage area of a network, the effect of the longer distance links formed by the nodes with superior range is a flattening of the wireless mesh network by reducing hop count, thereby improving performance, latency, reliability, cost, and power consumption among other factors.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7223/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RADIATION CURABLE RESIN COMPOSITION FOR WIRE COATING

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(51) International classification	:C09D 175/16
(31) Priority Document No	:2009-086315
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/EP2010/054171
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/112491
(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 :HET OVERLOON 1, NL - 6411 TE  
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**2)JSR CORPORATION**

(72)Name of Inventor :

**1)YAMAGUCHI, HIROSHI**

**2)KAMO, SATOSHI**

**3)KUROSAWA, TAKAHIKO**

(57) Abstract :

This invention is a radiation curable resin composition for wire coatings that have excellent adhesion with the center conductor as well as having excellent manufacturing efficiency for the coating layer and sufficient strength. This radiation curable resin composition for wire coating comprising the following ingredients (A), (B) and (D): (A) a mixture of a urethane (meth)acrylate having a structure derived from an aliphatic polyol and a urethane (meth)acrylate not having a structure derived from a polyol, (B) a compound having a cyclic structure and one ethylenically unsaturated group, (D) a compound given by the following formula (4a) wherein, R8 is a monovalent organic group having an ethylenically unsaturated group, and R9 is a hydrogen atom or a monovalent organic group that may have an ethylenically unsaturated group.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7226/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SEAT STRUCTURE - CHAMFERED MOUNTING OF COMPENSATING FLOOR LATCHES

(51) International classification	:B60N 2/015
(31) Priority Document No	:61/161,981
(32) Priority Date	:20/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027457
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/107776
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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3)BENJAMIN TONG  
4)YANNIS POULOS  
5)SHIVAPRASAD RAMCHANDRA  
6)FREDERICK WINTERS  
7)STEVEN WHITE**

---

(57) Abstract :

The present invention relates to a floor latch (200) for connecting a vehicle seat base portion (204) with a vehicle floor portion, the floor latch (200) comprising an attachment means (301) and a riser (300), the floor latch (200) providing centering of the attachment means (301) for clamping the riser (300) with the seat base portion (204) or with the vehicle floor portion.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7401/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ONCE-DAILY ORAL IR/CR PRAMIPEXOLE FORMULATION

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(51) International classification	:A61K 31/428
(31) Priority Document No	:61/167,980
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000482
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/115267
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

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(72)Name of Inventor :

**1)KRISHNAMURTHY THINNAYAM NAGANATHAN**

(57) Abstract :

An oral once-daily pramipexole formulation, comprising an immediate-release component and a controlled-release component, is provided wherein in preferred embodiments, both the immediate-release component and the controlled-release component comprise pramipexole. The formulation is preferably in the form of a coated bead. A method of manufacturing said formulation is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7403/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ELECTROCOATING COMPOSITION COMPRISING A CRATER CONTROL ADDITIVE

(51) International classification	:C09D 5/44
(31) Priority Document No	:12/414,737
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029295
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/117825
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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3)SANDALA, MICHAEL, G.

4)SINGER, DEBRA, L.

5)KABAGAMBE, BENJAMIN

6)SWANGER, JOSEPTH, R., JR.

---

(57) Abstract :

The Present invention relates to an electrodeposable coating composition comprising a crater control additive.

No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7630/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR DESALINATING SALTWATER USING CONCENTRATION DIFFERENCE ENERGY

(51) International classification	:C02F 1/469	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/168,002	<b>1)SALTWORKS TECHNOLOGIES INC.</b>
(32) Priority Date	:09/04/2009	Address of Applicant :2105 COMMISSIONER STREET
(33) Name of priority country	:U.S.A.	VANCOUVER BRITISH COLUMBIA V5L 1A4, CANADA
(86) International Application No	:PCT/CA2010/000537	(72) <b>Name of Inventor :</b>
Filing Date	:08/04/2010	<b>1)SPARROW BENJAMIN STUART</b>
(87) International Publication No	:WO 2010/115287	<b>2)ZOSHI JOSHUA ANIKET</b>
(61) Patent of Addition to Application Number	:NA	<b>3)TANG JAMES HING BONG</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described herein are a method and system for desalinating saltwater using concentration difference energy. A five stream dialytic stack is described that can be used to desalinate saltwater at a relatively high recovery ratio. The dialytic stack may include, for example, one or more drive cells having a paired concentrate and a diluent-c chamber in ionic communication with a product chamber that is adjacent to an anion and a cation discharge chamber each filled with diluent-p. The drive cell applies a drive voltage across the product chamber, and when the drive voltage exceeds a desalination voltage of the product chamber, the saltwater in the product chamber is desalinated. The diluent-p may be at a lower ionic concentration than the diluent-c, which may be at a lower concentration than the concentrate. The relatively high concentrations of the concentrate and the diluent-c facilitate a relatively high recovery ratio, while the relatively low concentration of the diluent-p facilitates a relatively low desalination voltage. The dialytic stack may accept brine discharged from a first desalination plant and may use this brine as a source of the concentrate, diluent-c, or diluent-p. Alternatively, the dialytic stack may accept the brine as saltwater to be desalinated, and may then output desalinated brine back to the first desalination plant for further desalination. Processing the brine in the dialytic stack may decrease its volume, decreasing costs associated with treating or otherwise disposing of the brine.

No. of Pages : 72 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7443/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A DEVICE AND METHOD FOR DETECTING A MISSING STEP OF A CONVEYOR

(51) International classification	:B66B 29/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/041123
Filing Date	:20/04/2009
(87) International Publication No	:WO 2010/123490
(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)BRAASCH BUKHARD**

**2)ENGELHARD INGO**

**3)TEGTMEIER DRIK H.**

**4)HERKEL PETER**

**5)STRIPLING RALPH S.**

**6)KIRCHHOFF FRANK**

---

(57) Abstract :

A device (100) and method for detecting a misaligned or missing step (16, 16a, 16b) of a conveyor (10, 10a, 10b) are disclosed. The missing step detector (100) includes various sensors (102, 104, 104a, 104b, 106) for detecting the drive speed of the conveyor (10, 10a, 10b) and for detecting the presence of pallets or steps (16, 16a, 16b). The sensor output signals are correlated to determine fixed values characteristic of the specific conveyor (10, 10a, 10b) in question. Using the fixed values as reference, the missing step detector (100) is able to effectively monitor the conveyor (10, 10a, 10b) for misaligned or missing steps (16, 16a, 16b) independent of conveyor speed and time.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7444/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AUTOMATIC ADJUSTMENT OF PARAMETERS FOR SAFETY DEVICE

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(51) International classification	:B66B 25/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/041116
Filing Date	:20/04/2009
(87) International Publication No	:WO 2010/123489
(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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---

(57) Abstract :

A device (100) and method (300) for automatically adjusting safety control parameters of a conveyor (10, 10a) are disclosed. The safety device (100) may include various sensors (102, 102a, 104, 104a, 106, 106a, 108, 108a) and a safety control module (200, 200a). The safety control module (200, 200a) may be preprogrammed with a learn- run method (300) configured to learn operational and mechanical characteristics of a conveyor (10, 10a), validate the operational characteristics of the conveyor (10, 10a) based on predefined nominal specifications, and determine a safety function with calibrated safety control parameters by which to monitor conveyor operation.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7611/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : TREATMENT OF DISEASES RELATED TO HYPERACTIVITY OF THE COMPLEMENT SYSTEM

(51) International classification	:A61K 38/17
(31) Priority Document No	:0904427.2
(32) Priority Date	:13/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB201/000465
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/103291
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CAMBRIDGE ENTERPRISE LIMITED,  
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LANE, CAMBRIDGE CB2 1 TN, UNITED KINGDOM

(72)Name of Inventor :

1)PETER LACHMANN

(57) Abstract :

Raising the level of Factor I above physiological levels can be used to treat diseases in which the underlying pathology is linked to overactivity of the C3b-feedback cycle and the generation and pro-inflammatory effects of iC3b. Methods, agents, and compositions for treatment of such diseases are described. Reference to Figure 1

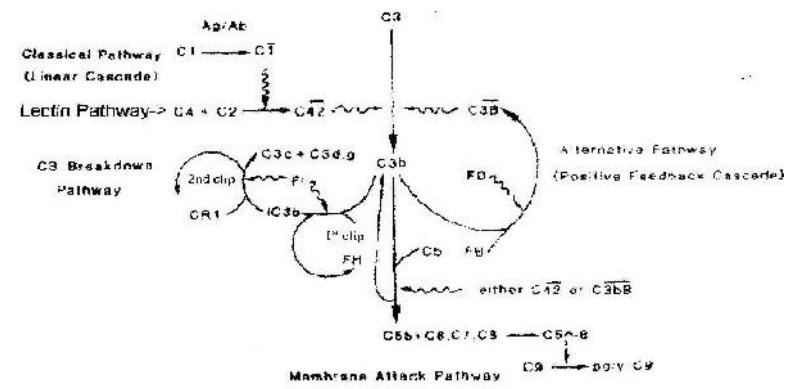


Figure 1

No. of Pages : 36 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7614/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : COOLING DEVICE FOR A MOTOR VEHICLE

(51) International classification	:F01P 7/16
(31) Priority Document No	:0952362
(32) Priority Date	:09/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050687
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/116104
(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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BOULOGNE BILLANCOURT, FRANCE

(72)Name of Inventor :

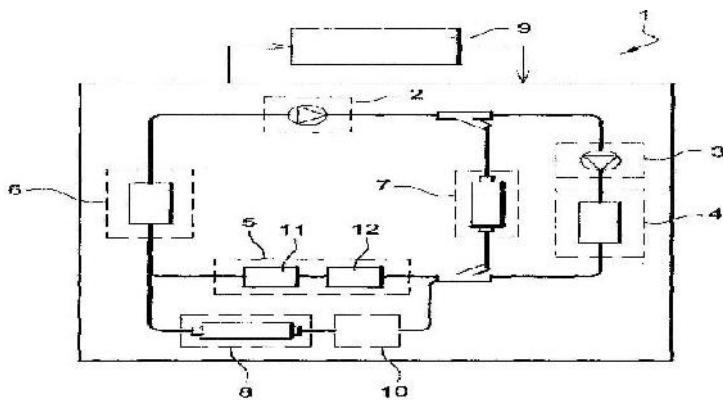
1)CLAIRES OBERTI

2)MARCO MARSILIA

3)SAMUEL CREGUT

(57) Abstract :

The cooling device (1) for an automotive vehicle of electric type, comprises a cooling circuit capable of cooling an engine assembly (5) including an electronic driver system (12) using a coolant circulated using at least one variable flow rate pump (2, 3), the flow rate of each pump (2, 3) being controlled by a control system (9), the control system (9) is able to servo-control the flow rate of each pump (2, 3) in a closed-loop regulation system according to the temperature of the coolant and a setpoint temperature. According to the invention, the electric vehicle includes a battery charger assembly (4), and the cooling circuit is capable of cooling the charger assembly (4) and the engine assembly (5). (Figure 1)



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7616/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HOT WORK TOOL STEEL WITH OUTSTANDING TOUGHNESS AND THERMAL CONDUCTIVITY

(51) International classification	:G01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09382044.7	<b>1)ROVALMA, S.A</b>
(32) Priority Date	:01/04/2009	Address of Applicant :APOL.LO. 51 POL. IND., CAN PERALLADA, E-06228 TERRASSA, BARCELONA, SPAIN
(33) Name of priority country	:EPO	<b>2)ISAAC VALLS ANGLES</b>
(86) International Application No	:PCT/EP2010/053	(72) <b>Name of Inventor :</b>
Filing Date	:01/01/1900	<b>1)ISAAC VALLS ANGLES</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 hot work tool steel family with exceptional thermal difusivity, toughness (both fracture toughness and notch sensitivity resilience CVN -charpy V-notch) and trough hardenability has been developed. Mechanical resistance and yield strength at room and high temperatures (above 600 °C) are also high, because the tool steels of the present invention present a high alloying level despite the high thermal conductivity. Given the exceptional resistance to thermal fatigue and thermal shock, wear resistance can be severely increased for many applications requiring simultaneously resistance to thermal cracking and wear like is the case for some forging and some parts of die casting dies.

No. of Pages : 19 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.6096/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FUSED RING COMPOUND AND USE THEREOF

(51) International classification	:C07D 487/04
(31) Priority Document No	:020720/2009
(32) Priority Date	:30/01/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/051651
Filing Date	:29/01/2010
(87) International Publication No	:WO 2010/08715
(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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CHUO-KU OSAKA-SHI, OSAKA 5410045, JAPAN

(72)Name of Inventor :

**1)TSUYOSHI MAEKAWA**  
**2)HIDEYUKI IGAWA**

(57) Abstract :

Provided is a novel compound represented by the following formula Wherein each symbol is as defined in the specification, or a salt thereof, which has an angiotensin II receptor antagonistic activity and a peroxisome proliferator-activated receptor γ agonistic activity, and is useful as an agent for the prophylaxis or treatment of circulatory diseases such as hypertension and the like and/or metabolic diseases such as diabetes and the like, and the like.

No. of Pages : 1126 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6634/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AMINO ESTER DERIVATIVES, SALTS THEREOF AND METHODS OF USE

(51) International classification	:A01N 37/12
(31) Priority Document No	:61/162,260
(32) Priority Date	:21/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/027360
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/111063
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)SUNSHINE LAKE PHARMA CO. LTD.**

(72)Name of Inventor :

**1)XI NING**

**2)SHENZHEN DONGYANGGUANG INDUSTRIAL DEVELOPMENT CO., LTD.**

---

(57) Abstract :

The present invention provides amino ester compounds, salts, and pharmaceutical formulations thereof useful in modulating the protein tyrosine kinase activity, and in modulating inter- and/or intra-cellular signaling. The invention also provides pharmaceutically acceptable compositions comprising such compounds and methods of using the compositions in the treatment of hyperproliferative disorders in mammals, especially humans.

No. of Pages : 163 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2011

(21) Application No.6639/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : COMPOSITION AND METHOD TO IMPROVE BLOOD LIPID PROFILES AND OPTIONALLY REDUCE LOW DENSITY LIPOPROTEIN (LDL) PER-OXIDATION IN HUMANS

(51) International classification	:C12N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/329,744	1)U.S. NUTRACEUTICALS, D/B/A VALENSA
(32) Priority Date	:30/04/2010	INTERNATIONAL
(33) Name of priority country	:U.S.A.	Address of Applicant :2751 NUTRA LANE, EUSTIS, FLORIDA 32726 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/034094 :27/04/2011	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	1)MINATELLI JOHN A. 2)HILL W.STEPHEN 3)MOERCK RUDI E. 4)BANDLELA MURALIDHAR 5)GUZEL MUSTAFA 6)YARRAGUNTA RAVINDRA REDDY
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A composition and method which improves blood lipid profiles and optionally reduces low density lipoprotein (LDL) per-oxidation in humans by administering a therapeutic amount of a composition comprising krill oil in combination with astaxanthin or a mixture of fish oil derived, choline based, phospholipid bound omega-3 fatty acid mixture including phospholipid bound polyunsaturated EPA and DMA. In one embodiment, the krill oil is derived from Euphasia spp., comprising Eicosapentaenoic (EPA) and Docosahexaenoic (DMA) fatty acids in the form of triacylglycerides and phospholipids. The krill oil includes at least 10% EPA and 5% DMA, of which greater than 50% are in the form of phospholipids and the 1-4000 mg of krill oil per daily dose is delivered.

No. of Pages : 18 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7467/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DIAGNOSTIC TEST PANEL FOR THE DIGNOSTIC OF MALRAI AND SEVERE BACTERIAL INFECTIONS

(51) International classification	:G01N 33/577	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/156,743	<b>1)FIO CORPORATION</b>
(32) Priority Date	:02/03/2009	Address of Applicant :111 QUEEN STREET EAST, SUITE
(33) Name of priority country	:U.S.A.	500 TORONTO, ONTARIO M5C 1S2, CANADA
(86) International Application No	:PCT/CA2010/000298	(72) <b>Name of Inventor :</b>
Filing Date	:02/03/2010	<b>1)FRIEDLAND, SUSAN</b>
(87) International Publication No	:WO 2010/099607	<b>2)KAIN, KEVIN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A test panel and kit, in package form, is for use in the diagnosis of malaria and severe bacterial infection in a test sample. They include monoclonal antibodies to histidine-rich protein II, to P.falciparum aldolase and/or pan P.falciparum lactate dehydrogenase, to Angiopoietin-1 and/or Angiopoietin-2, and to C-reactive protein and/or procalcitonin. A rapid diagnostic test device includes a portion to receive the panel, a chamber to receive the sample for contact with the monoclonal antibodies, and an element for detecting signals from the sample in contact with the monoclonal antibodies. Processors analyze the signals to differentiate between P.falciparum malaria likely or unlikely at risk for severe/cerebral malaria, non-P.falciparum malaria, and infection which is likely or unlikely to be severe bacterial infection, in the sample. Also disclosed are an associated method and a computer readable medium which stores instructions for operating the test device.

No. of Pages : 125 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7638/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TREATMENT OF DIABETES AND METABOLIC SYNDROME

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(51) International classification	:A61K 38/23
(31) Priority Document No	:0904271.4
(32) Priority Date	:12/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/053044
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/103045
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA :NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KARSDAL, MORTEN ASSER

2)CHRISTIANSEN, CLAUS

---

(57) Abstract :

Enteraly administered calcitonin family members other than amylin, particularly calcitonin itself, are effective to treat Type I diabetes, Type II diabetes or metabolic syndrome, for mitigating insulin resistance, and for reducing serum glucose levels.

No. of Pages : 95 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7411/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CO-CRYSTALLIZABLE DIACETYLENIC MONOMER COMPOSITIONS, CRYSTAL PHASES AND MIXTURES, AND RELATED METHODS

(51) International classification	:C08G 18/10
(31) Priority Document No	:61/165,292
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/028500 :24/03/2010
(87) International Publication No	:WO 2010/114752
(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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PLAINS, NJ 07950, U.S.A.

(72)**Name of Inventor :**

**1)CASTILLO MARTINEZ, ELIZABETH;  
2)BAUGHMAN, RAY, H.;  
3)HALL, LEE, J.;  
4)KOZLOV, MIKHAIL;  
5)SMITH, DAWN, E.;  
6)PRUSIK, THADDEUS;  
7)LENTZ, CARL, M.;**

---

(57) Abstract :

Solid polymerizable diacetylenic monomer compositions, including compositions co-crystallized from a diversity of solvent systems under diverse cooling conditions, can exhibit diffraction patterns associated with the color development reactivities of the compositions. High reactivity compositions are disclosed and high reactivity and low reactivity phases can be identified. A low angle powder X-ray diffraction peak can indicate the presence of one or more crystal phases in a composition. A fingerprint region can exhibit fingerprint patterns of diffraction peaks associated with different reactivities. Information about polymerization of the diacetylenic monomers is disclosed using  $^{13}\text{C}$  nuclear magnetic resonance (NMR) characterization. Diacetylenic monomer compositions useful in ambient condition indicators, for example time-temperature indicators are disclosed.

No. of Pages : 114 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7416/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MEDICAL DEVICES WITH GALVANIC PARTICULATES

(51) International classification	:A61L 15/18	(71)Name of Applicant :
(31) Priority Document No	:61/163,928	<b>1)ADVANCED TECHNOLOGIES AND REGENERATIVE MEDICINE, LLC</b>
(32) Priority Date	:27/03/2009	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MASSACHUSETTS 02767, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2010/02886	<b>1)CHUNLIN YANG</b>
Filing Date	:25/03/2010	<b>2)YING SUN</b>
(87) International Publication No	:WO 2010/111502	<b>3)FRANK R. CICHOCKI, JR.</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SAUMEN N. BAR</b>
Filing Date	:NA	<b>5)JAMES E. HAUSCHILD</b>
(62) Divisional to Application Number	:NA	<b>6)URI HERZBERG</b>
Filing Date	:NA	<b>7)YUFU LI</b>
		<b>8)XINTIAN MING</b>
		<b>9)WEI KONG</b>
		<b>10)JEANNETTE CHANTALAT</b>
		<b>11)MICHAEL SOUTHALL</b>

(57) Abstract :

Implantable medical devices having galvanic particulates are disclosed. The particulates may be coated onto at least part of a surface of the medical device. In addition, the galvanic particulates may be contained in the material used to manufacture the antimicrobial medical devices, or may be embedded into the surface of the medical devices. The present invention also provides novel coating methods and processing methods. The devices may have advantageous characteristics and effects including anti-microbial, anti-inflammatory, and tissue regeneration promoting.

No. of Pages : 49 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7419/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : POLYMER COATINGS WITH IMPROVED UV AND HEAT STABILITY

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(51) International classification	:C08K 5/13
(31) Priority Document No	:10 2009 014 856.6
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001994
Filing Date	:30/03/2010
(87) International Publication No	:WO 2010/112192
(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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HANAU (DE) Germany

(72)Name of Inventor :

**1)GUNTERMANN, UDO**  
**2)JONAS, FRIEDRICH**

---

(57) Abstract :

The present invention relates to coatings comprising electrically conductive polymers and flavones, their production and use, and dispersions for the production of such coatings.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7475/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CATIONIC COMB COPOLYMERS, PREPARATION THEREOF AND USE THEREOF IN COSMETIC, PHARMACEUTICAL AND DERMATOLOGICAL FORMULATIONS

(51) International classification	:C08F 20/34
(31) Priority Document No	:10 2006 015 868.5
(32) Priority Date	:01/04/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/001952 :27/03/2010
(87) International Publication No	:WO 2010/112185
(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)CLARIANT FINANCE-(BVI) LIMITED**

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**(72)Name of Inventor :**

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**2)DIRK FISCHER**

**3)THOMAS LINDNER**

**4)MATTHIAS KUNZE**

**5)MATTHIAS LOEFFLER**

**6)CARINA MILDNER**

**7)SEBASTIANO LO VASCO**

**8)TOMAS CERNY**

**(57) Abstract :**

Copolymers are described, containing a) 20.0 - 99.9% by weight of one or more structural units resulting from polymerizable substances of the following structural formula (I) in which R2 is a linear or branched saturated alkyl radical having 6 to 200 carbon atoms or a linear or branched, mono- or polyunsaturated alkenyl radical having 6 to 200 carbon atoms, and R1 ,Y, n and m are each as defined in claim 1, b) 0.1 -20.0% by weight of one or more structural units resulting from polymerizable quaternary ammonium compounds, and c) 0 - 60.0% by weight of one or more nonionic structural units resulting from one or more further polymerizable substances. The copolymers are advantageously suitable, for example, for the production of cosmetic, dermatological or pharmaceutical formulations.

No. of Pages : 101 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7644/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD OF MANUFACTURING A BEARING RING

(51) International classification	:C21D 9/40
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/002038
Filing Date	:19/03/2009
(87) International Publication No	:WO 2010/105644
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)AB SKF**

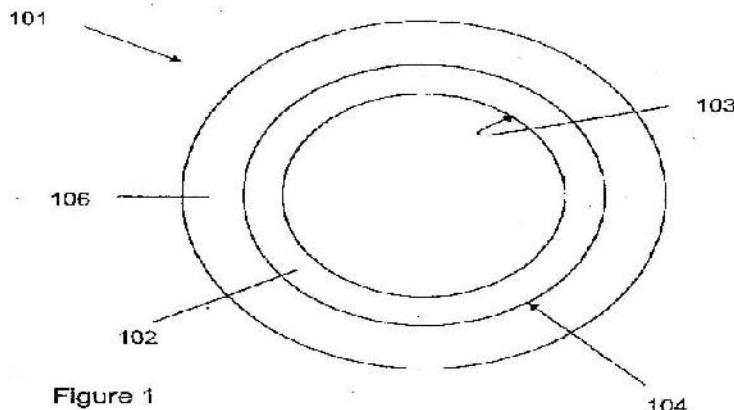
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**1)CORNELIUS PETRUS ANTONIUS VISSERS  
2)HENDRIKUS JAN KAPAAN  
3)JOHANNES FRANCISCUS VAN DE SANDEN  
4)JACOBUS ZWARTS**

(57) Abstract :

The present invention resides in a method of manufacturing a bearing ring (101) for a rolling element bearing, wherein the bearing ring comprises a bearing race (102) made of a bearing grade steel and an overmoulded part (106) that is preferably made of a lightweight metal such as aluminium or a thermoplastic material such as polyamide. According to the invention, the method comprises a step of hardening at least a raceway surface (103) of the bearing race prior to a step of joining the overmoulded part (106) to the bearing race (102) in a moulding process. In a further development, the method comprises a step of temperature control, to ensure that the temperature of the raceway surface (103) is kept below a predetermined value during the moulding process. Fig. 1



No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7330/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : STEREO CAMERA WITH CONTROLLABLE PIVOT POINT

(51) International classification	:H04N 7/00
(31) Priority Document No	:12/409,395
(32) Priority Date	:24/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/27019
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/111046
(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 :2020 N. LINCOLN ST. BURBANK,  
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2)VINCENT PACE

(72)Name of Inventor :

1)VINCENT PACE

2)PATRICK CAMPBELL

(57) Abstract :

There is disclosed stereographic camera system including first and second cameras (310L, 310R) including respective first and second lenses (312L, 312R). A convergence mechanism (354) may set a convergence angle by rotating at least the first camera about a first pivot axis. A first pivot shift mechanism (355) may adjust the position of the first camera such that the first pivot axis passes through a nodal point of the first lens.

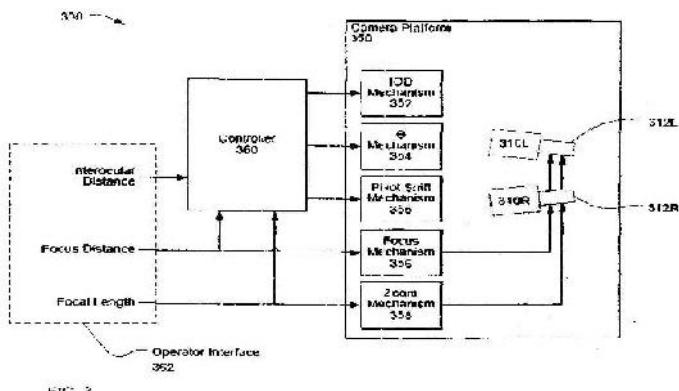


FIG. 3

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7335/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A PYROLYtic REACTOR

(51) International classification	:F27B 7/10
(31) Priority Document No	:61/160,842
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000217
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/106538
(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)BRONSHTEIN, ALEXANDER P.

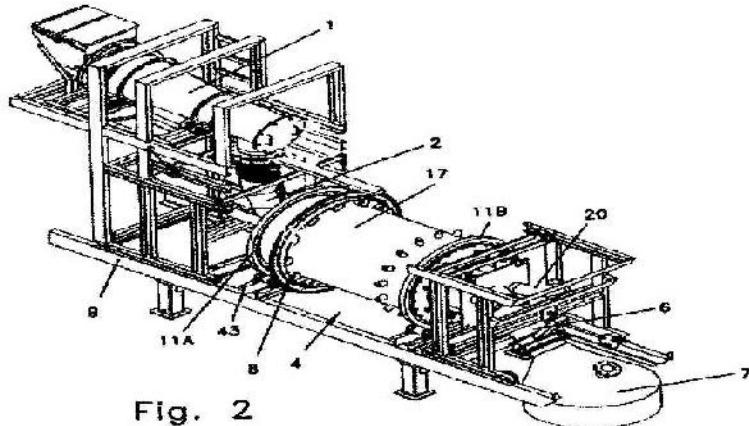
2)SKOP, MENACHEM L.

3)WEISS, MOSHE

4)JAKOBOWITCH, DAVID SHALOM

(57) Abstract :

A pyrolytic reactor, comprising an inner drum having a circumferential wall formed with a plurality of apertures, an outer drum surrounding the inner drum and defining a clearance therebetween, a feeding device for feeding a plurality of feedstock pieces to the interior of the inner drum, an inlet port through which heat carrier gases flow and are directed to said clearance, for introduction of the heat carrier gases via said plurality of apertures to the inner drum interior and causing pyrolysis of the fed feedstock pieces, a conveyor for transporting a plurality of solid residue pieces produced from a pyrolytic process, and an outlet port through which product vapors and gases, heat depleted heat carrier gases, and the plurality of solid residue pieces are discharged.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7336/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : STEAM STERILIZATION APPARATUS

(51) International classification	:A61L 2/07
(31) Priority Document No	:10-2009-0040929
(32) Priority Date	:11/03/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/DR2010/002452
Filing Date	:20/04/2010
(87) International Publication No	:WO 2010/131846
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ECO INNTOT CO., LTD.

Address of Applicant :TECHNOPARK DANJI B-301, 421 DAUN-DONG, JUNG-GU, ULSAN 681-802 , REPUBLIC OF KOREA.

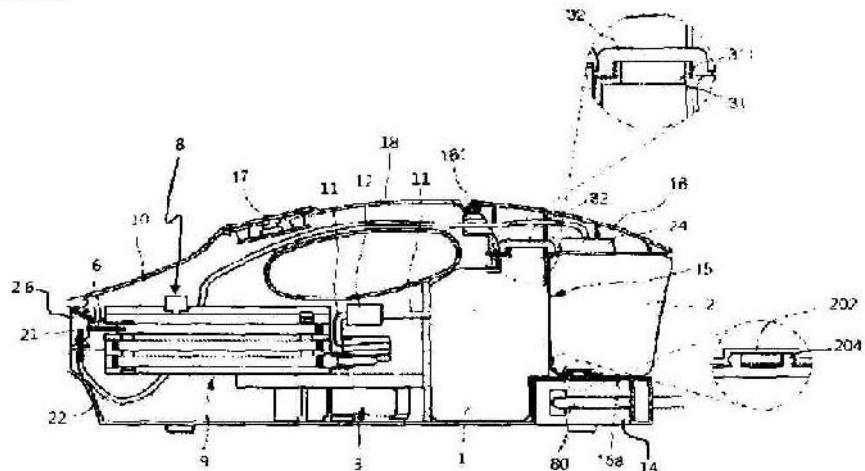
(72)Name of Inventor :

1)LEE, JONG CHUL

(57) Abstract :

The present invention relates to a steam sterilization apparatus, and more particularly, to a steam sterilization apparatus in which a crack in a vaporization space is minimized to achieve maximized water vaporization efficiency and to reduce the size of the apparatus, and which prevents liquid phase water from being sprayed at an early stage of operation of the apparatus to achieve a steam sterilization effect from the early stage of operation of the apparatus. The steam sterilization apparatus according to the present invention comprises: a case which forms a main body; a water container arranged in an inner rear portion of the case to store water; a liquid chemical container arranged behind the water container to store a liquid chemical; a nozzle assembly which is arranged in an inner front portion of the case and which includes a steam nozzle for receiving water from the water container and spraying water to the outside, and a liquid chemical nozzle for receiving a liquid chemical from the liquid chemical container and discharging the liquid chemical to the outside; a water supply pipe which interconnects the water container and the steam nozzle; a liquid chemical supply pipe which interconnects the liquid chemical container and the liquid chemical nozzle; a heater block interposed between the water supply pipe and the steam nozzle to heat and vaporize the water supplied through the water supply pipe; a pump installed at the water supply pipe to apply pressure to the water in the water container and to supply water through the water supply pipe; and a control unit which controls the operation of the pump and of the heater block.

[Fig. 3]



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7700/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INTEGRATED DRY SCRUBBER SYSTEM

(51) International classification	:B01D 53/83
(31) Priority Document No	:61/158799
(32) Priority Date	:10/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/024997
Filing Date	:23/02/2010
(87) International Publication No	:WO 2010/104670
(61) 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)FERGUSON ALAN WILLIAM**

**2)GATTON LAWRENCE H., JR.**

**3)LANDMER PER H.F.**

(57) Abstract :

An air quality control system (AQCS) (4) useful for processing a gas stream (DG), such as a flue gas stream emitted from a fossil fuel fired boiler (2), combustion process or the like, for at least partial removal of acidic and like contaminants. The air quality control system (4) includes a plurality of integrated components (12) equipped with both a dry scrubber system (8) and a fabric filter (10). The air quality control system (4) such as described possesses increased turn down capabilities thus increasing the efficiency thereof.

No. of Pages : 27 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/09/2011

(21) Application No.6892/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND DEVICE FOR MONITORING THE PRESENCE OF A RAIL

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(51) International classification

:B61K 9/112

(31) Priority Document No

: 09290179.2

(32) Priority Date

:12/03/2009

(33) Name of priority country

:EUROPEAN  
UNION

(86) International Application No

:PCT/EP09/053772

Filing Date

:31/03/2009

(87) International Publication No

:WO 2010/102676

(61) 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 SAS

Address of Applicant :9, BOULEVARD FINOT, F-92320 ST.  
DENIS, FRANCE

(72)Name of Inventor :

1)YVES CLARISSOU

(57) Abstract :

The present invention relates to a method and to a device for monitoring the presence of at least one guide rail (1) for a guided vehicle, said device comprising: - a first detector (41) located downstream of a wheel (3), said detector (41) being capable of detecting the presence of said rail (1) and of transmitting a first signal (SA) relating to said presence of said rail to a monitoring member (5), characterized in that: - a second detector (42) located upstream of said wheel is capable of being connected in parallel with said first detector (41) and of detecting said presence of said rail (1), - said second detector (42) is capable of communicating to said monitoring member (5) a second signal (SB) relating to said presence of said rail.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7446/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : PUMP UNIT FOR FEEDING FUEL, PREFERABLY DIESEL FUEL, TO INTERNAL CONBUSTION ENGINE

(51) International classification	:F04C 15/00
(31) Priority Document No	:MI2009A000652
(32) Priority Date	:20/04/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2010/053157
Filing Date	:12/03/2010
(87) International Publication No	:WO 2010/121866
(61) 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)RIGLIETTI, GAETANO**

(57) Abstract :

Described herein is a pump unit (1) for feeding fuel, particularly diesel fuel, to an internal combustion engine. The pump unit (1) comprises a pump body (3); a piston pump for feeding the fuel to the internal combustion engine; a gear pump (2) for feeding the fuel to the piston pump; a drive shaft (4) that is mounted rotatable about a longitudinal axis (5) and that operates both the piston pump and the gear pump (2); and at least one annular gasket (7) disposed between the pump body (3) and the drive shaft (4) for separating two chambers (8, 9) in a fluid-tight manner. The pump unit (1) further includes at least one reinforcing element (26) mounted inside one of the chambers (8, 9) in order to at least limit the deformation of the gasket (7) resulting from the pressure of the fuel.

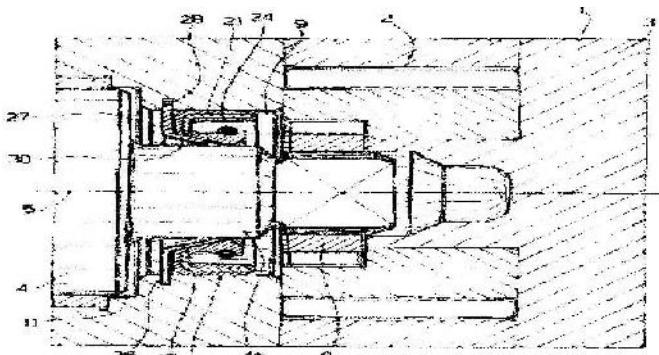


Fig.1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/10/2011

(21) Application No.7656/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COPPER BROMIDE HUMIDITY INDICATING CARD

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(51) International classification	:G01N 21/81
(31) Priority Document No	:12/419,116
(32) Priority Date	:06/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029567
Filing Date	:01/04/2009
(87) International Publication No	:WO 2010/117865
(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)MULTISORB TECHNOLOGIES, INC.

Address of Applicant :325 HARLEM ROAD, BUFFALO,  
NEW YORK 14224-1893, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)GEORGE E. MCKEDY

(57) Abstract :

The present invention comprises a method of humidity indication comprising providing a substrate and an area of humidity indication comprising copper bromide, bromide salt, a dye, and cellulose fiber. In another embodiment of the invention, the invention comprises a humidity indicator array comprising a substrate having a plurality of areas of humidity indication on the substrate, wherein each area comprises copper bromide, dye, and bromide salt, wherein the mole ratio of bromide ions to copper ions in the area is about 7.5:1.

No. of Pages : 24 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7717/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ANODE MATERIAL FOR ELECTROCHEMICAL CELLS AND A METHOD FOR PRODUCING SAME

(51) International classification	:H01L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009107944 (RU)	<b>1)OBSCHESTVO S OGRANICHENNOI OTVETSTVENNOSTYU ELIONT</b>
(32) Priority Date	:06/03/2009	Address of Applicant :UL. SHEFSKAYA, 1B EKATERINBURG, 620137 RUSSIA.
(33) Name of priority country	:Russia	
(86) International Application No	:PCT/RU2010/000086	(72) <b>Name of Inventor :</b>
Filing Date	:25/02/2010	<b>1)GORSHKOV, VADIM SERGEEVICH</b>
(87) International Publication No	:WO 2010/107340	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Field of use: the electrochemical industry, in particular, anode materials for lithiumion battery (LIB). Essence of invention: Anode material based on lithium-titanium spinel that contains doping components: chromium and vanadium, in equivalent quantities of the chemical formula  $\text{Li}_4\text{Ti}_5-y(\text{CrV})_y\text{O}_{12-x}$ , where x is deviation from stoichiometry within the limits  $0.02 < x < y$

No. of Pages : 23 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7631/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : N- ( 4-PERFLUOROALKYL-PHENYL) -4-TRIAZOLYL-BENZAMIDES AS INSECTICIDES

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(51) International classification	:C07D 249/08
(31) Priority Document No	:0907823.9
(32) Priority Date	:06/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/054863
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/127927
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

**1)SYNGENTA PARTICIPATIONS AG**

Address of Applicant :SCHWARZWALDALLEE 215, CH  
4058 BASEL SWITZERLAND

(72)**Name of Inventor :**

**1)MAIENFISCH PETER**

**2)GODFREY CHRISTOPHER RICHARD AYLES**

**3)JUNG PIERRE JOSEPH MARCEL**

(57) Abstract :

The present invention relates to novel triazole-substituted benzamide derivatives, to processes and intermediates for preparing them, to methods of using them to control insect, acarine, nematode and mollusc pests, and to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising them. Formula (I).

No. of Pages : 40 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7632/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : CATHODE BOTTOM, METHOD FOR PRODUCING A CATHODE BOTTOM, AND USE OF THE SAME IN AN ELECTROLYTIC CELL FOR PRODUCING ALUMINUM

(51) International classification	:C25C 3/08
(31) Priority Document No	:10 2009 024 881.1
(32) Priority Date	:09/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/057667
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/142580
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SGL CARBON SE

Address of Applicant :RHEINGAUSTR. 182 65203  
WIESBADEN GERMANY (DE)

(72)Name of Inventor :

1)OTTINGER, OSWIN

2)HILTMANN, FRANK

(57) Abstract :

The present invention relates to a cathode bottom (1) for an electrolytic cell for producing aluminum, comprising a material (3), which can be arranged on at least one cathode block (7), characterized in that the material (3) comprises a pre-compressed plate based on expanded graphite. The present invention further relates to a method for producing a cathode bottom (1), comprising the following method steps: providing at least one cathode block (7), arranging a material (3) on at least one surface of the at least one cathode block (7), wherein the material (3) comprises at least one pre-compressed plate based on expanded graphite. The cathode bottom (1) is used in an electrolytic cell for producing aluminum.

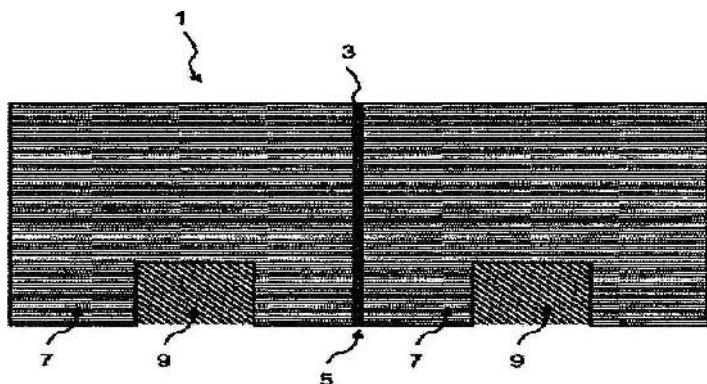


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7636/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPENSATING PRE-FILTER FOR AN OFDM TRANSMITTER

---

(51) International classification	:H04L 27/26
(31) Priority Document No	:61/157,615
(32) Priority Date	:05/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/052322
Filing Date	:24/02/2010
(87) International Publication No	:WO 2010/100061
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83 STOCKHOLM (SE)

Sweden

(72)Name of Inventor :

1)DENT, PAUL

2)KHAYRALLAH, ALI, S.

(57) Abstract :

A method and apparatus for reducing group delay and/or amplitude errors applied to a transmission signal by one or more transmission filters is described herein. The present invention characterizes the errors introduced by one or more transmission filters relative to a desired frequency response, e.g., the group delay and/or amplitude errors relative to a flat group delay and flat amplitude, respectively. Based on the errors, the present invention pre-compensates the digital frequency domain samples used to generate the transmission signal. In so doing, the present invention reduces the errors in the filtered transmission signal without placing limits on the design of the transmission filters.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7692/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SPINE FIXATION SYSTEM

(51) International classification	:A61B 17/70
(31) Priority Document No	:09004363.9
(32) Priority Date	:26/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/001811
Filing Date	:23/03/2010
(87) International Publication No	:WO 2010/108655
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SPONTECH SPINE INTELLIGENCE GROUP AG**

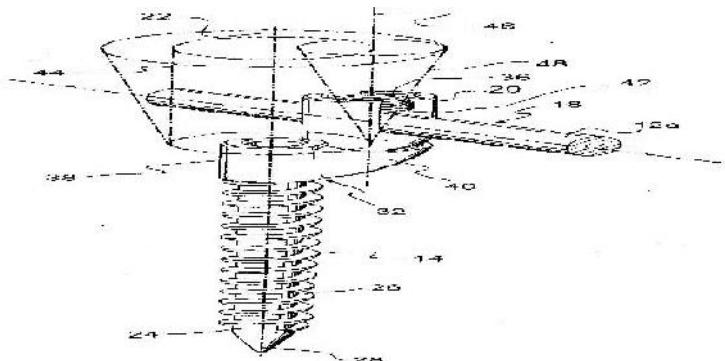
Address of Applicant :UHLANDSTR. 14, 70182  
STUTTGART, GERMANY

(72)Name of Inventor :

**1)FRANZ COPF**

(57) Abstract :

A spine fixation system (10) comprises a rod (12a, 12b), which is configured to extend over a portion of the spine, a plurality of fasteners (14) and a plurality of connectors (18). Each fastener has a longitudinal axis (22) and is configured to be secured to a vertebra (V1, V2, V3) to be treated. Each connector (18) is connected to, or is capable of being connected to, one of the fasteners (14) and has a seat member (20) for receiving and fixing the rod (12a, 12b). The seat member (20) is capable of being fixed in different rotational positions with regard to a rotational axis (46) that extends, or is capable of being positioned such that it extends, parallel to but not coinciding with the longitudinal axis (22) of the fastener (14) to which the respective connector (18) is connected. (Figure 3)



**Fig. 3**

No. of Pages : 44 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7693/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : INHIBITORS OF HIV REPLICATION

(51) International classification :C07D 491/048  
(31) Priority Document No :61/168,032  
(32) Priority Date :09/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/000478  
    Filing Date :07/04/2010  
(87) International Publication No :WO 2010/115264  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

(71)Name of Applicant :

1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH

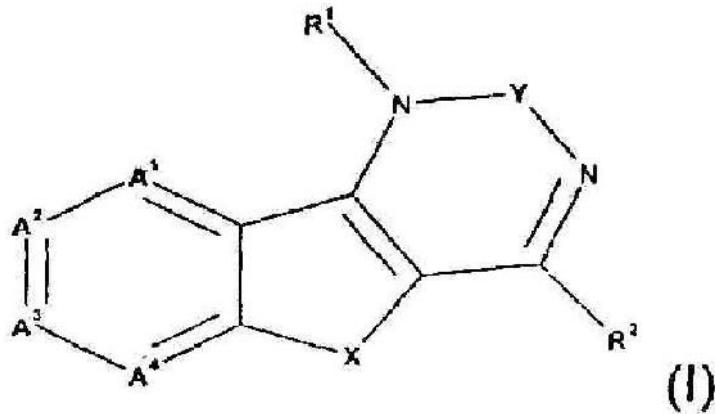
Address of Applicant :BINGER STRASSE 173, 55216 INGELHEIM AM RHEIN, GERMANY

(72)Name of Inventor :

1)CLAUDIO STURINO  
2)PATRICK DEROUY  
3)MARTIN DUPLESSIS  
4)PAUL J. EDWARDS  
5)ANNE-MARIE FAUCHER  
6)TEDDY HALMOS  
7)CLINT JAMES  
8)JEAN-ERIC LACOSTE  
9)ERIC MALENFANT  
10)JOANNIE MINVILLE  
11)LOUIS MORENCY  
12)SEBASTIEN MORIN  
13)MARTIN TREMBLAY  
14)CHRISTIANE YOAKIM

(57) Abstract :

wherein R1, R2, A1, A2, A3, A4, X and Y are as defined herein, are useful as inhibitors of HIV replication.



No. of Pages : 199 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7694/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ELECTROSTATIC COATING APPARATUS FOR ELECTRICALLY CONDUCTIVE COATING MATERIAL

(51) International classification	:B05B 5/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-177518	<b>1)HONDA MOTOR CO., LTD.</b>
(32) Priority Date	:30/07/2009	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	:PCT/JP2010/062645	<b>1)DAISUKE NAKAZONO</b>
Filing Date	:27/07/2010	<b>2)HIROKI MATSUNAGA</b>
(87) International Publication No	:WO 2011/013680	<b>3)MASASHI HONMA</b>
(61) Patent of Addition to Application Number	:NA	<b>4)NORIHIKO SUDO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In an electrostatic coating apparatus (1), an electrically conductive coating material is supplied through a coating material supplying path (11) to a coating gun (13) to which a high voltage is applied. The electrostatic coating apparatus (1) is provided with an insulating and separating valve (32) capable of electrically insulating and separating the coating material supplying path (11) into an application side in which the high voltage is applied and a non-application side. The insulating and separating valve (32) is provided with a female coupling member (32U) having a first connecting portion (54) and a male coupling member (32D) having a second connecting portion (64). A supplying hole (55) for supplying a cleaning fluid to the first connecting portion (54) and the second connecting portion (64) and a discharging hole (56) for discharging the cleaning fluid supplied to the first connecting portion and the second connecting portion are provided on one of the female coupling member (32U) disposed on the non-application side and the male coupling member (32D).

No. of Pages : 68 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2011

(21) Application No.6687/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION CONTAINING A DRUG AND SIRNA

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(51) International classification	:A61K 9/127
(31) Priority Document No	:09156232.2
(32) Priority Date	:25/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/053802
Filing Date	:24/03/2010
(87) International Publication No	:WO 2010/108934
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)NOVARTIS AG**

Address of Applicant :LICHTSTRASSE 35, CH - 4056  
BASEL SWITZERLAND

(72)Name of Inventor :

**1)FRANCESE GIANCARLO**

**2)KELLER MICHAEL**

(57) Abstract :

The present invention relates generally to the fields of molecular biology, medicine, oncology, and delivery of therapeutic compounds. In particular, the present invention relates to pharmaceutical compositions containing a hydrophobic drug substance and an inhibitory nucleic acid molecule, such as short interfering RNA (siRNA), in a single drug delivery system, as well as a process for making and a process for administering the same.

No. of Pages : 25 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7721/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : HUMAN MONOCLONAL ANTIBODY SPECIFIC FOR LIPOPOLYSACCHARIDES (LPS) OF SEROTYPE IATS 01 OF PSEUDOMONAS AERUGINOSA

(51) International classification	:C07K 16/12
(31) Priority Document No	:09005245.7
(32) Priority Date	:09/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/002158
Filing Date	:06/04/2010
(87) International Publication No	:WO 2010/115606
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)KENTA BIOTECH AG**

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BERN, SWITZERLAND

(72)**Name of Inventor :**

**1)RUDOLF MICHAEL**

**2)KOCH HOLGER**

**3)FAS STEFANIE**

---

(57) Abstract :

The present invention relates to a human monoclonal antibody specific for the serotype IATS 01 of *P. aeruginosa*, and a hybridoma producing said monoclonal antibody. In addition, the present invention relates to pharmaceutical compositions comprising at least one antibody or at least one nucleic acid encoding said antibody.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7722/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CRYSTAL FORMS OF SAXAGLIPTIN

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(51) International classification	:C07D 209/52
(31) Priority Document No	:61/167,918
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/054692
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/115974
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)SANDOZ AG**

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SWITZERLAND

(72)Name of Inventor :

**1)PICHLER ARTHUR**

**2)WIESER JOSEF**

**3)LANGES CHRISTOPH**

**4)VUKICEVIC MILICA**

(57) Abstract :

The present invention relates to novel polymorphic forms of Saxagliptin Hydrochloride. The present invention also relates to methods of making polymorphic forms of Saxagliptin Hydrochloride.

No. of Pages : 38 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7723/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SEPARATION OF ANTIGEN-SPECIFIC MEMORY B CELLS WITH A CONJUGATED BIOPOLYMER SURFACE

(51) International classification	:C12M 1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/158,649	<b>1)BIOFACTURA, INC.</b>
(32) Priority Date	:09/03/2009	Address of Applicant :9430 KEY WEST AVENUE, SUITE 125, ROCKVILLE, MD 20850 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/026624	<b>1)SAMPEY DARRYL B.</b>
Filing Date	:09/03/2010	
(87) International Publication No	:WO 2010/104828	
(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 materials and methods for the isolation of immune cells. In one embodiment, the present invention provides a device for the isolation and separation of antigen-specific memory B cells. Immune cells will be separated by flowing the cells along a ligand-conjugated biopolymer surface. The ligand may be distributed in a concentration gradient along the z-axis of the biopolymer surface. Cells that display receptors specific for the ligands on the biopolymer will interact with the ligands and roll along the surface in the fashion of leukocyte rolling. Additive adhesive interactions will cause differential cell separation and eventual immobilization.

No. of Pages : 55 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7724/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND DEVICE FOR DISSOLVING SOLID SUBSTANCES IN WATER

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(51) International classification	:C02F 1/68
(31) Priority Document No	:BO2009A000142
(32) Priority Date	:09/03/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/000474
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/103368
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)MARCHI & BREVETTI INTERPRISE S.R.L. CON UNICO SOCIO**

Address of Applicant :VIA BORTOLOTTI, 18, I-MODENA ITALY

(72)Name of Inventor :

**1)BARANI CORRADO**

(57) Abstract :

A device (1) for dissolving a solid chemical substance (2) in water to obtain an aqueous solution, said device (1) comprising: a container (3) having a collection portion (8) for containing the solution and a charging chamber (10) designed to contain the substance (2); and a liquid-dispersing unit (14) for directing a jet of water onto the substance (2); the device (1) further comprises a feeding unit (17) for feeding water to the collection portion (8) from a hydraulic circuit (6) and a discharging unit (5) for conveying the solution from the container (3) to the hydraulic circuit (6); the discharging unit (5) being designed to feed the solution to the hydraulic circuit (6) in a substantially continuous way.

No. of Pages : 38 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7725/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ACCESS PORT IDENTIFICATION SYSTEMS AND METHODS

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(51) International classification	:A61M 5/32
(31) Priority Document No	:12/420,028
(32) Priority Date	:07/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030256
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/118144
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)C.R. BARD INC.**

Address of Applicant :730 CENTRAL AVENUE, MURRAY HILL, NJ 07974, U.S.A.

(72)**Name of Inventor :**

**1)AMIN MURTAZA YUSUF**

**2)SHEETZ KEVIN W.**

**3)CISE DAVID M.**

**4)DRAPER MATT**

**5)POWERS KELLY B.**

---

(57) Abstract :

An access port for subcutaneous implantation is disclosed. Such an access port may comprise a body for capturing a septum for repeatedly inserting a needle therethrough into a cavity defined within the body. Further, the access port may include at least one feature structured and configured for identification of the access port subsequent to subcutaneous implantation. Methods of identifying a subcutaneously implanted access port are also disclosed. For example, a subcutaneously implanted access port may be provided and at least one feature of the subcutaneously implanted access port may be perceived. Further, the subcutaneously implanted access port may be identified in response to perceiving the at least one feature. In one embodiment, an identification feature is engraved or otherwise defined by the access port, so as to be visible after implantation via x-ray imaging technology.

No. of Pages : 73 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6353/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESS FOR PREVENTING METAL CATALYZED COKING

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(51) International classification	:C10G 11/18
(31) Priority Document No	:12/397/663
(32) Priority Date	:04/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/022706
Filing Date	:01/02/2010
(87) International Publication No	:WO 2010/101686
(61) 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

Address of Applicant :25 EAST ALGONQUIN ROAD, P.O. BOX 5017, DES PLAINES, ILLINOIS 60017-5017, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)COUCH, KEITH A.

2)GOSLING, CHRISTOPHER D.

(57) Abstract :

A process and apparatus is disclosed in which a sulfiding agent is added to a catalytic conversion reactor to prevent metal catalyzed coking. The catalytic reactor may be downstream from a first fluid catalytic cracking reactor that provides C10- hydrocarbons as feed to the downstream catalytic reactor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7265/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : A COMPOUND OF FORMULA VI

(51) International classification	:C07B 53/00
(31) Priority Document No	:60/418,084
(32) Priority Date	:11/10/2002
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP02/14843
Filing Date	:19/12/2002
(87) International Publication No	:WO 03/053916
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1680/DELNP/2004
Filed on	:15/06/2004

(71)Name of Applicant :

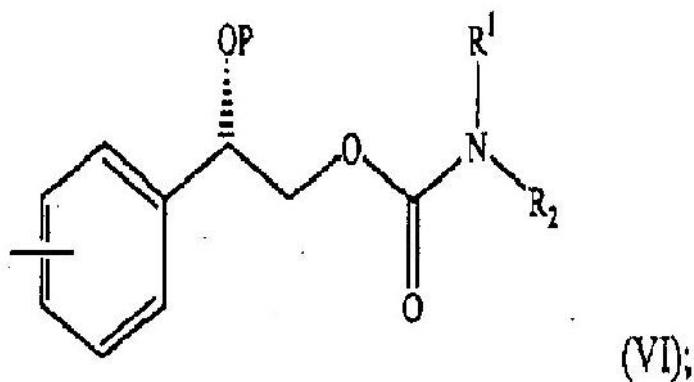
1)ORTHO - MCNEIL PHARMACEUTICAL, INC.  
Address of Applicant :ROUTE 202, RARITAN, NEW JERSEY 08869, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)THOMAS OTTEN  
2)DANIEL KOREY

(57) Abstract :

A compound of formula VI wherein R is halogen; R1 and R2 independently are hydrogen or C1-4alkyl, optionally substituted with phenyl or substituted phenyl, wherein substituted phenyl has substituents selected from halogen, C1- 4alkyl, C1-4alkyloxy, amino, nitro and cyano; and P is an ether type group.



No. of Pages : 32 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7312/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ACTIVE INGREDIENT COMBINATIONS HAVING INSECTICIDAL AND ACARICIDAL PROPERTIES

(51) International classification	:A01N 43/40	(71) <b>Name of Applicant :</b> <b>1)BAYER CROPSCIENCE AG</b> Address of Applicant :ALFRED-NOBEL-STR. 50, 40789 MONHEIM, GERMANY
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP2009/002165	(72) <b>Name of Inventor :</b> <b>1)HEIKE HUNGENBERG</b> <b>2)PETER JESCHKE</b> <b>3)ROBERT VELTEN</b> <b>4)WOLFGANG THIELERT</b>
Filing Date	:25/03/2009	
(87) International Publication No	:WO 2010/108504	
(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 novel active compound combinations comprising, firstly, at least one known compound of the formula (I) in which R1 and A have the meanings given in the description and, secondly, at least one further known active compound from the class of the organophosphates or carbamates, which combinations are highly suitable for controlling animal pests such as insects and unwanted acarids.

No. of Pages : 97 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7317/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : ACTIVE INGREDIENT COMBINATIONS HAVING INSECTICIDAL AND ACARICIDAL PROPERTIES

(51) International classification	:C07C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)BAYER CROPSCIENCE AG</b>
(32) Priority Date	:NA	Address of Applicant :ALFRED-NOBEL-STR. 50, 40789
(33) Name of priority country	:NA	MONHEIM, GERMANY
(86) International Application No	:PCT/EP2009/002169	(72) <b>Name of Inventor :</b>
Filing Date	:25/03/2009	<b>1)HEIKE HUNGENBERG</b>
(87) International Publication No	:NA	<b>2)PETER JESCHKE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)ROBERT VELTEN</b>
Filing Date	:NA	<b>4)WOLFGANG THIELERT</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel active compound combinations comprising, firstly, at least one known compound of the formula (I) in which R1 and A have the meanings given in the description and, secondly, at least one further known active compound from the class of the chitin synthesis inhibitors, the molting hormone agonists or other classes, which combinations are highly suitable for controlling animal pests such as insects and unwanted acarids.

No. of Pages : 80 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.7607/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF QUETIAPINE FUMARATE

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(51) International classification	:C07D 281/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2010/050948
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/100623
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)RANBAXY LABORATORIES LIMITED**

Address of Applicant :12TH FLOOR, DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019, INDIA

(72)Name of Inventor :

**1)VENUGOPAL VENKATARAMA DURVASULA**

**2)PARENDRU DHIRAJLAL RATHOD**

**3)RAM CHANDER ARYAN**

**4)CHANDRA HAS KHANDRI**

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(57) Abstract :

The present invention relates to an improved process for the preparation of quetiapine and pharmaceutically acceptable salts. It also relates to improved process for the preparation of intermediates of quetiapine.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7781/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AXMI-001, AXMI-002, AXMI-030, AXMI-035, AND AXMI-045: TOXIN GENES AND METHODS FOR THEIR USE

(51) International classification	:C07K 14/325	(71) <b>Name of Applicant :</b> <b>1)ATHENIX CORPORATION</b> Address of Applicant :P.O.BOX 110347, RESEARCH TRIANGLE PARK, NC 27709, U.S.A
(31) Priority Document No	:61/159,151	
(32) Priority Date	:11/03/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/026914 :11/03/2010	
(87) International Publication No	:WO 2010/141141	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Compositions and methods for conferring pesticidal activity to bacteria, plants, plant cells, tissues and seeds are provided. Compositions comprising a coding sequence for a delta-endotoxin polypeptide are provided. The coding sequences can be used in DNA constructs or expression cassettes for transformation and expression in plants and bacteria. Compositions also comprise transformed bacteria, plants, plant cells, tissues, and seeds. In particular, isolated delta-endotoxin nucleic acid molecules are provided. Additionally, amino acid sequences corresponding to the polynucleotides are encompassed, and antibodies specifically binding to those amino acid sequences. In particular, the present invention provides for isolated nucleic acid molecules comprising nucleotide sequences encoding the amino acid sequence shown in SEQ ID NO:6-1 1, or the nucleotide sequence set forth in SEQ ID NO: 1-5, as well as variants and fragments thereof.

No. of Pages : 75 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7249/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ENGINEERING THE PATHWAY FOR SUCCINATE PRODUCTION

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(51) International classification	:C12N 1/21	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/166,093	<b>1)UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.</b>
(32) Priority Date	:02/04/2009	Address of Applicant :223 GRINTER HALL, GAINESVILLE, FL 32611, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/029728	<b>1)ZHANG, XUELI</b>
Filing Date	:02/04/2010	<b>2)JANTAMA, KAEMWICH</b>
(87) International Publication No	:WO 2010/115067	<b>3)MOORE, JONATHAN, C.</b>
(61) Patent of Addition to Application Number	:NA	<b>4)JARBOE, LAURA, R.</b>
Filing Date	:NA	<b>5)SHANMUGAM, KEELNATHAM, T.</b>
(62) Divisional to Application Number	:NA	<b>6)INGRAM, LONNIE, O'NEAL</b>
Filing Date	:NA	

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(57) Abstract :

This invention relates to the biocatalysts for the efficient production of succinic acid and/or other products from renewable biological feedstocks. The biocatalysts have a very high efficiency for the growth-coupled production of succinic acid and/or other products from carbohydrate feed stocks as a result of both genetic manipulations and metabolic evolution. More specifically, certain biocatalysts of the present invention produce succinic acid at high titers and yield in mineral salts media during simple pH-controlled, batch fermentation without the addition of any exogenous genetic material. The genetic manipulations of the present invention are concerned with the energy-conserving strategies coupled with the elimination of alternative routes for NADH oxidation other than the routes for succinic acid production. The biocatalysts contain glucose-repressed gluconeogenic phosphoenol pyruvate carboxykinase (pck) derepressed by genetic modifications and a genetically-inactivated phosphotransferase system. In terms of succinic acid production efficiency, the biocatalysts of the present invention are functionally equivalent to succinate producing rumen bacteria such as *Actinobacillus succinogens* and *Mannheimia succiniproducens* with one difference that the biocatalysts are able to achieve this high level of succinic acid production in a minimal salt medium with carbohydrate source as opposed to the requirement for a rich media for succinic acid production by rumen bacteria.

No. of Pages : 208 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7699/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR MANUFACTURING SOLID ELECTROLYTE BATTERY AND SOLID ELECTROLYTE BATTERY

(51) International classification	:H01M 10/058	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-099138	<b>1)SONY CORPORATION</b>
(32) Priority Date	:15/04/2009	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO 108-0075, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/055152	<b>1)TATSUYA FURUYA</b>
Filing Date	:17/03/2010	
(87) International Publication No	:WO 2010/119754	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There are provided a method for manufacturing a solid electrolyte battery and a solid electrolyte battery, each of which can reduce the number of films and can obtain excellent performance. This method for manufacturing a solid electrolyte battery has a laminate formation step of forming a laminate in which a lower collector layer 12, an interlayer 13, and an upper collector layer 14 are laminated in this order on a substrate 11 and a step of applying a voltage to the laminate.

No. of Pages : 160 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7764/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : TOTAL INTERNAL REFLECTIVE (TIR) OPTIC LIGHT ASSEMBLY

(51) International classification :F21V 5/00  
(31) Priority Document No :61/180,461  
(32) Priority Date :22/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034524  
    Filing Date :12/05/2010  
(87) International Publication No :WO 2010/135113  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

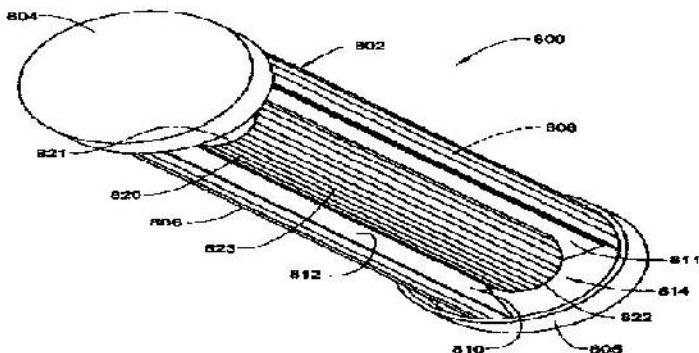
(71)Name of Applicant :  
**1)SYLVAN R. SHEMITZ DESIGNS, INCORPORATED**  
Address of Applicant :114 BOSTON POST ROAD WEST  
HAVEN CONNECTICUT 06516 UNITED STATES OF  
AMERICA

(72)Name of Inventor :  
**1)TASKAR, NIKHIL**  
**2)FORD, PAUL**  
**3)PFUND, DAVID R.**

(57) Abstract :

A total internal reflective (TIR) optic light bar includes a body having a first end portion that extends to a second end portion through an elongated intermediate portion. The body includes a light input surface having a curvilinear profile, a total internal reflective (TIR) surface, and at least one light output surface. The light input surface, TIR surface, and at least one light output surface defining a continuous outer surface of the body. FIG. 12

**FIG. 12**



No. of Pages : 32 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7765/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DISTRIBUTING MOTION SIGNALS IN A MULTI-SEAT ENVIRONMENT

(51) International classification	:A63J 25/00
(31) Priority Document No	:61/163,290
(32) Priority Date	:25/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000464
Filing Date	:25/03/2010
(87) International Publication No	:WO 2010/108282
(61) 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-BOX TECHNOLOGIES INC.

Address of Applicant :2172, RUE DE LA PROVINCE  
LONGUEUIL, QUEBEC J4G 1R7 CANADA

(72)Name of Inventor :

1)SENECAL, PIERRE

2)PAILLARD, BRUNO

3)SIMONEAU, MARTIN

4)MENARD, JEAN-FRANCOIS

(57) Abstract :

A system for providing motion signals indicative of a motion to be performed by the motion platforms synchronously with video images comprising an input interface for extracting a motion signal from the input signal. A server provides a network address to each motion platform. A motion platform interface has control ports connected to arrays of motion platforms. Each motion platform being connected one to another by a wired connection according to a control protocol. The motion platform interface individually actuates each of the motion platforms by providing a client motion signal to each motion platform comprising the motion signal with a respective network address. Each motion platform is managed according to a respective feedback signal comprising the provided network address of each motion platform.

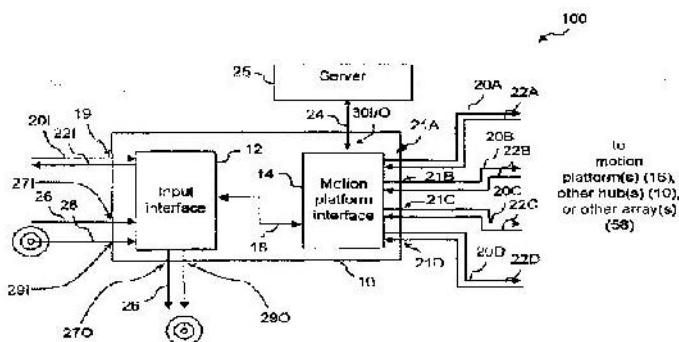


Fig. 1A

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7245/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : APPARATUS, SYSTEMS AND METHODS FOR PRODUCING PARTICLES USING ROTATING CAPILLARIES

(51) International classification	:B01J 2/04
(31) Priority Document No	:PCT/CA2009/000324
(32) Priority Date	:16/03/2009
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2010/000391
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/105352
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)GABAE TECHNOLOGIES, LLC

Address of Applicant :C/O NATIONAL CORPORATE RESEARCH LTD., 202 SOUTH MINNESOTA STREET, CARSON CITY, NEVADA 89703, U.S.A.

(72)Name of Inventor :

1)KOSLOW, EVAN E.

(57) Abstract :

An apparatus for forming particles from a liquid, including a rotor assembly having at least one surface sized and shaped so as to define at least one capillary. Each capillary has an inner region adjacent an axis of rotation of the rotor assembly, an outer region distal from the axis of rotation, and an edge adjacent the outer region. The rotor assembly is configured to be rotated at an angular velocity selected such that when the liquid is received in the inner region of the at least one capillary, the liquid will move from the inner region to the outer region, adopt an unsaturated condition on the at least one surface such that the liquid flows as a film along the at least one surface and does not continuously span the capillary, and, upon reaching the edge, separates from the at least one surface to form at least one particle.

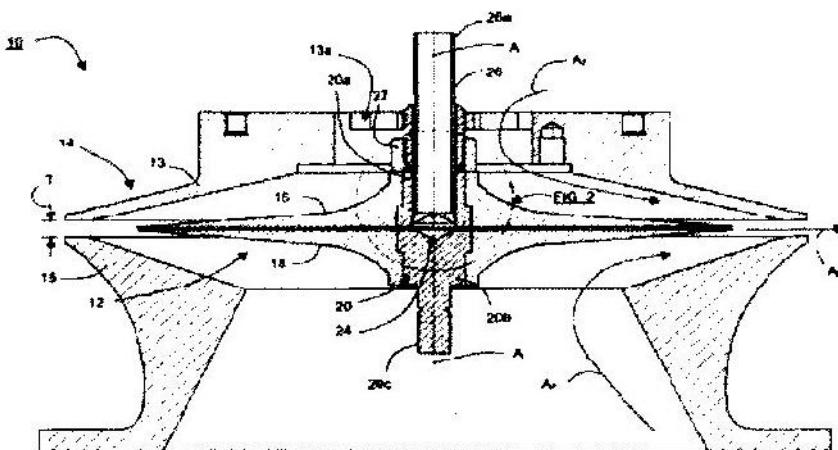


FIG.1

No. of Pages : 91 No. of Claims : 111

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7711/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : METRIC-BASED EVENTS FOR SOCIAL NETWORKS

(51) International classification	:G06Q 50/00
(31) Priority Document No	:12/418,625
(32) Priority Date	:06/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029713
Filing Date	:01/04/2010
(87) International Publication No	:WO 2010/117887
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MICROSOFT CORPORATION

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399 UNITED STATES  
OF AMERICA

(72)Name of Inventor :

1)DORRELL, WADE CLARK

(57) Abstract :

Events occurring with respect to metrics are defined. When an event occurs with respect to a metric, a notification of the event is generated in a social network, such as an enterprise social network. The notification might include the name of a user associated with the event and the name of the event. Comments may be left regarding the notification of the event. The comments can be retrieved and analyzed.

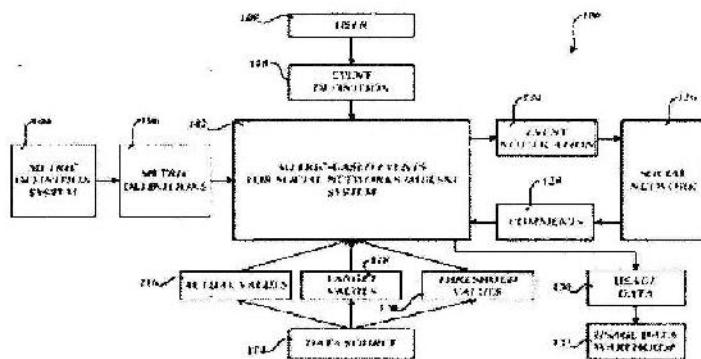


Fig.1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7712/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : DRY-COUPLED PERMANENTLY INSTALLED ULTRASONIC SENSOR LINEAR ARRAY

(51) International classification	:G01N 29/22
(31) Priority Document No	:12/406,619
(32) Priority Date	:18/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026742
Filing Date	:10/03/2010
(87) International Publication No	:WO 2010/107637
(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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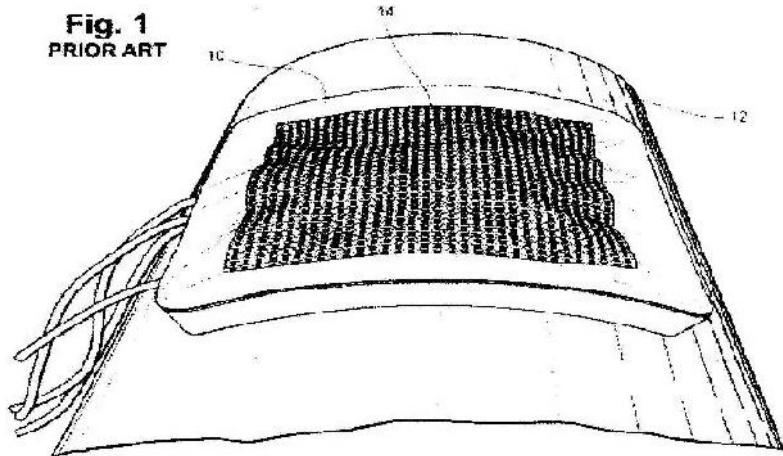
(72)Name of Inventor :

1)NYHOLT, JOHN, J.

2)LANGLOIS, GARY, N.

(57) Abstract :

This invention relates to permanent, ultrasonic, flexible, dry-coupled, linear arrays for the inspection of pipelines, process equipment and the like. The permanent, ultrasonic, flexible, dry-coupled, linear arrays detect and/or measure corrosion wall loss, stress corrosion cracking, and/or internal initiated pipeline cracking. The apparatus for ultrasonically testing materials includes a linear array of ultrasonic sensors, and a flexible, acoustically transmissive, dry-coupling surrounding at least a portion of each of the ultrasonic sensors.



No. of Pages : 39 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7778/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : INDEPENDENT MODULE FOR PRODUCING POWER FOR A SHIP, AND ASSOCIATED SHIP ASSEMBLY

(51) International classification	:B63B 35/70
(31) Priority Document No	:0952408
(32) Priority Date	:10/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/054696
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/115977
(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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F-44600 SAINT NAZAIRE FRANCE

(72)Name of Inventor :

1)LORANG, MATTHIEU

(57) Abstract :

The invention relates to a module for producing electric power for a main ship (1), capable of supplying the power required to propel said main ship (1), the module being produced in the form of a secondary ship (2) separate from the main ship (1) and including a power plant (3), the secondary ship (2) being provided with an electrical connection means (7) for establishing an electrical connection between the power plant (3) and the main ship (1) and a means (6a, 6b) for interlocking with the main ship (1) in order to secure the former from moving from the main ship (1), characterised in that the electrical connection means (7) is suitable for supplying electric power to the propulsion means (4) of the main ship (1).

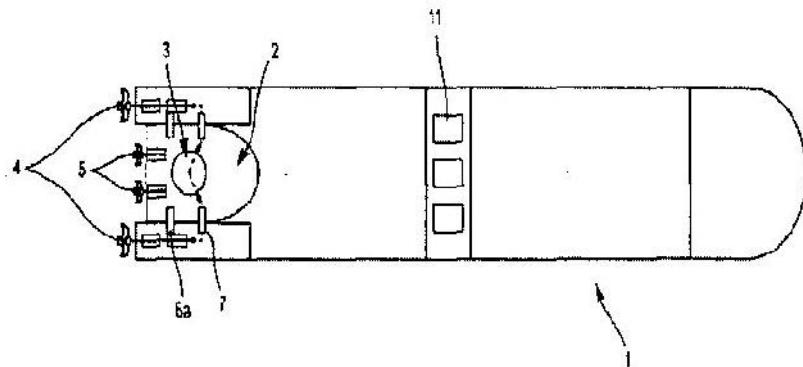


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7779/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR IMPROVING TASTE AND ORAL CARE COMPOSITIONS WITH IMPROVED TASE

(51) International classification	:A61Q 11/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/173,711	<b>1)THE PROCTER &amp; GAMBLE COMPANY</b>
(32) Priority Date	:29/04/2009	Address of Applicant :ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO 45202, U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US10/031852	<b>1)JOHN CHRISTIAN HAUGHT</b>
Filing Date	:21/04/2010	<b>2)LOWELL ALAN SANKER</b>
(87) International Publication No	:WO 2010/126753	<b>3)YAKANG LIN</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KOTI TATAR CHAR SREEKRISHNA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are compositions and methods relating to oral care compositions with improved taste. One such method includes providing an oral care composition comprising a metal salt, a peroxide, an antimicrobial agent, a bad breath reduction agent, a surfactant, or a combination thereof and adding to the oral care composition a TRPV1 activator and/or vanitrope.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6358/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SPECIFIC BINDING PROTEINS AND USES THEREOF

(51) International classification	:C07K 16/28
(31) Priority Document No	:12/388,504
(32) Priority Date	:18/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/024407 :17/02/2010
(87) International Publication No	:WO 2010/0946434
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

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- 2)JONHS TERRANCE GRANT**
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- 4)SCOTT ANDREW MARK**
- 5)RENNER CHRISTOPH**
- 6)RITTER GERD**
- 7)JUNGBLUTH ACHIM**
- 8)STOCKERT ELIZABETH**
- 9)COLLINS PETER**
- 10)CAVENEY WEBSTER K.**
- 11)HUANG HUEI-JEN SU**
- 12)BURGESS ANTONY WILKS**
- 13)NICE EDOUARD COLLINS**
- 14)MURRAY ANNE**
- 15)MARK GEORGE**

**(57) Abstract :**

The present invention relates to specific binding members, particularly antibodies and fragments thereof, which bind to amplified epidermal growth factor receptor (EGFR) and to the de2-7 EGFR truncation of the EGFR. In particular, the epitope recognized by the specific binding members, particularly antibodies and fragments thereof, is enhanced or evident upon aberrant post-translational modification. These specific binding members are useful in the diagnosis and treatment of cancer. The binding members of the present invention may also be used in therapy in combination with chemotherapeutics or anti-cancer agents and/or with other antibodies or fragments thereof.

No. of Pages : 467 No. of Claims : 86

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6359/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM FOR THERMALLY PROCESSING LUMPY SOLID MATERIAL

(51) International classification	:F27B 7/20
(31) Priority Document No	:10 2009 018 099.0
(32) Priority Date	:20/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/053562
Filing Date	:18/03/2010
(87) International Publication No	:WO 2010/121870
(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)RUTHER THOMAS**

**2)KLEGRAF TOBIAS**

**3)PETERS ALEXANDER**

(57) Abstract :

The system according to the invention for thermally processing lumpy solid material substantially comprises a preheating device, a furnace and a separation or classification device which is arranged therebetween and which has a coarse material outlet connected to the furnace and a fine material outlet. The furnace and the preheating device are connected to each other by means of a gas/solid material line which is arranged so as to be inclined relative to the vertical, the furnace exhaust gases being introduced at the end of the gas/solid material line at the furnace side and the preheated solid material being supplied at the end at the preheater side. The separation or classification device is connected to a bypass line which branches off from the gas/solid material line so that at least a partial amount of the preheated solid material can be branched off via the bypass line by means of gravitational force and can be supplied to the separation or classification device.

No. of Pages : 16 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6363/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PLUG CAP AND METHOD FOR MANUFACTURING THE PLUG CAP

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(51) International classification	:H01T 13/05
(31) Priority Document No	:2009-039215
(32) Priority Date	:23/02/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/052744
Filing Date	:23/02/2010
(87) International Publication No	:WO 2010/095748
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)NGK SPARK PLUG CO., LTD.**

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(72)Name of Inventor :

**1)OHTA JUNPEI**

**2)FUMA TOMOHIRO**

---

(57) Abstract :

An object of the invention is to improve productivity of a plug cap. The plug cap 100 for a spark plug comprises a main body including a first cavity H1 having a first opening OP1 and a second cavity H2 having a second opening OP2; a cord connection member (screw) 120 disposed into the first cavity H1 so that a plug cord is able to be connected from the first opening OP1 thereto; a plug connection member (connector member) 150 disposed into the second cavity H2 so that a terminal of the spark plug is able to be connected from the second opening OP2 thereto; and a resistance body 140 which is disposed in a more inner region of the second cavity H2 than a region at which the plug connection member 150 is disposed. The plug connection member 150 and the resistance body 140 are fixed to each other so as to be in contact with each other. The plug connection member 150 to which the resistance body 140 has been fixed is press-fitted into the second cavity H2 of the main body 110.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.6364/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BICYCLIC HETEROCYCLIC SPIRO COMPOUNDS

(51) International classification	:C07D 491/10
(31) Priority Document No	:61/147,143
(32) Priority Date	:26/01/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000064
Filing Date	:26/01/2010
(87) International Publication No	:WO 2010/084499
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)FISHER, ABRAHAM**

**2)BAR-NER, NIRA**

**3)NACHUM, VICTORIA**

---

(57) Abstract :

There are disclosed bicyclic heterocyclic spiro compounds; pharmaceutical compositions comprising these compounds; and methods for the treatment in a mammal of diseases and conditions which are susceptible to modulation of the M1 muscarinic receptor, including Alzheimer's disease, insulin resistance syndrome and type 2 diabetes. Other embodiments are also disclosed.

No. of Pages : 66 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7252/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GENOTOXICITY TESTING

(51) International classification	:C12Q 1/68
(31) Priority Document No	:0905410.7
(32) Priority Date	:28/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000581
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/112821
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)RABINOWITZ ADAM**

**2)WALMSLEY RICHARD**

**3)TATE MATTHEW**

(57) Abstract :

The present invention relates to methods for detecting for the presence of an agent that putatively causes or potentiates DNA damage comprising subjecting a cell (containing a DNA sequence encoding Gaussia luciferase (GLuc) reporter protein operatively linked to a human GADD45a gene promoter and a human GADD45a gene regulatory element arranged to activate expression of the DNA sequence in response to DNA damage) to an agent; and monitoring the expression of the GLuc reporter protein from the cell. The invention also concerns expression cassettes, vectors and cells which may be used according to such a method and also modified media that may be employed in assays and in preferred embodiments of the method of the invention.

No. of Pages : 78 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7259/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : MANUALLY ACTUABLE LIQUID DISPENSING RAZOR

(51) International classification	:B26B 21/44
(31) Priority Document No	:12/409,097
(32) Priority Date	:23/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/028092 :22/03/2010
(87) International Publication No	:WO 2010/111163
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)THE GILLETTE COMPANY

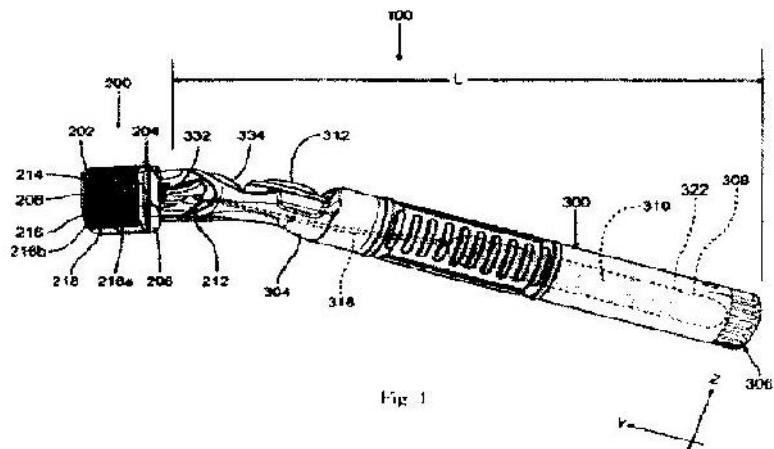
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(72)Name of Inventor :

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- 3)SIMMS, GRAHAM JOHN
- 4)WATTAM, CHRISTOPHER JAMES
- 5)AVENS, RUSSELL STUART
- 6)CLARKE, SEAN PETER
- 7)WORRICK, CHARLES BRIDGHAM

(57) Abstract :

The invention features a razor for dispensing a fluid during shaving. The razor includes a razor cartridge that is engageable to a handle. The razor cartridge has a housing, a cartridge connecting structure attached to the housing; at least one blade positioned in the housing; and an aperture that extends from the rear surface to the front surface of the housing. The handle has a cavity for housing a fluid; a manually-actuated pump located along the length of the handle, and a fluid dispensing member having a channel in fluid communication with the pump and having an opening at a terminal end. The fluid dispensing member projects outwardly from the proximal end of the handle such that the terminal end extends to or adjacent to the aperture in the housing. Actuation of the pump displaces fluid from the cavity to or adjacent to the front surface of the housing.



No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/09/2011

(21) Application No.917/DEL/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SOLAR FUELS AND A HYBRID PROCESS THEREOF BASED ON BIOMIMETIC CARBONATION AND PHOTOCATALYSIS

(51) International classification	:B23B	(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)RAYALU SADHANA SURESH
(61) Patent of Addition to Application Number	:NA	2)CHAKRABARTI TAPAN
Filing Date	:NA	3)JOSHI MEENAL VIVEK
(62) Divisional to Application Number	:NA	4)MANGRULKAR PRITI ASHOK
Filing Date	:NA	5)LABHSETWAR NITIN KUMAR

(57) Abstract :

The present invention is related to a process for generation of hydrogen and syngas based on biomimetic carbonation and photocatalysis. A path breaking way has been developed for generation of solar fuels in specific hydrogen by coupling biomimetic carbonation with photocatalysis. Efforts are being made worldwide to mimic the reaction for fixation of anthropogenic CO<sub>2</sub> into calcium carbonate using carbonic anhydrase (CA) as a biocatalyst. CA is being employed to accelerate the rate of hydration of CO<sub>2</sub> to form carbonate ions and proton. Presently carbonate is being precipitated from aqueous solution as calcium carbonate given a suitable saturation of calcium and carbonate ions by addition of appropriate buffer. A major breakthrough in the area of generation of solar fuels like hydrogen has been achieved by coupling biomimetic carbonation with photocatalysis. This approach may prove to be a revolutionary technical advancement required for hydrogen economy demanding carbon neutral hydrogen production. Also the production of hydrogen in addition to carbonates as end products during biomimetic carbonation may make the process commercially viable to be adopted by industries emitting carbon dioxide. The carbonate rich stream has been photocatalytically reduced to formaldehyde. This breakthrough thus opens new horizons in the area of carbon sequestration by virtue of the fact that end product of carbon sequestration is not only environmentally benign product of calcite but it would lead to the generation of clean energy including hydrogen, methane and methanol. Maximum hydrogen evolution has been observed upto 101.14 µmoles/mg of ,free CA , 156.8 µmoles/mg of immobilised CA and 101.14 µmoles/mg of CA 6684.5 µmoles/mg of stabilised CA using TiO<sub>2</sub>/Zn/Pt as photocatalyst. The problem of using Zn as a metal donor has been overcome by illuminating the system. Hydrogen evolution to the tune of 84 µmoles/mg of CA has been observed for system with Zn as metal donor in the presence of Pt as co-catalyst with illumination.

No. of Pages : 49 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7409/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPROVED CONTACTING STAGES FOR CO-CURRENT CONTACTING APPARATUSES

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(51) International classification	:C01G 31/00
(31) Priority Document No	:12/414,924
(32) Priority Date	:31/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/023984
Filing Date	:12/02/2010
(87) International Publication No	:WO 2010/117487
(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)AGNELLO, JOSEPH**

**3)MUCK, AARON J.**

**4)XU, ZHANPING**

**5)NOWAK, BRIAN J.**

---

(57) Abstract :

Improved contacting stages for carrying out vapor-liquid contacting are described. Particular aspects are directed to co-current vapor-liquid contacting devices with non-parallel contacting stages that provide an efficient usage of column space for fluid flow and contacting, in order to achieve high capacity, high efficiency, and low pressure drop. The fabrication of such contacting stages is improved using one or more structural enhancements, preferably a combination of enhancements, to achieve easy installation and significantly improved rigidity between the various parts and thereby avoid movement/separation of these parts. This reduces the possibility of fluid leakage across, and consequently vapor and/or liquid bypassing of, the contacting stage.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7773/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AMATOXIN-ARMED THERAPEUTIC CELL SURFACE BINDING COMPONENTS DESIGNED FOR TUMOUR THERAPY

(51) International classification	:A61K 47/48	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/167,690	<b>1)DEUTSCHE KREBSFORSCHUNGSZENTRUM</b>
(32) Priority Date	:08/04/2009	Address of Applicant :IM NEUENHEIMER FEID 280, 69120 HEIDELBERG, GERMANY
(33) Name of priority country	:U.S.A.	<b>2)FAULSTICH, HEINZ</b>
(86) International Application No	:PCT/EP2010/002205	(72) <b>Name of Inventor :</b>
Filing Date	:08/04/2010	<b>1)FAULSTICH, HEINZ</b>
(87) International Publication No	:WO 2010/115629	<b>2)MOLDENHAUER, GERHARD</b>
(61) Patent of Addition to Application Number	:NA	<b>3)WERNER, SIMON</b>
Filing Date	:NA	<b>4)ANDERL, JAN</b>
(62) Divisional to Application Number	:NA	<b>5)MULLER, CHRISTOPHER</b>
Filing Date	:NA	

(57) Abstract :

The invention relates to tumour therapy. In one aspect, the present invention relates to conjugates of a toxin and a target-binding moiety, e.g. an antibody, which are useful in the treatment of cancer. In particular, the toxin is an amatoxin, and the target-binding moiety is preferably directed against tumour-associated antigens. In particular, the amatoxin is conjugated to the antibody by linker moieties. In particular the linker moieties are covalently bound to functional groups located in positions of the amatoxin proved as preferred positions for the attachment of linkers with respect to optimum antitumor activity. In a further aspect the invention relates to pharmaceutical compositions comprising such target-binding moiety toxin conjugates and to the use of such target-binding moiety toxin conjugates for the preparation of such pharmaceutical compositions. The target-binding moiety toxin conjugates and pharmaceutical compositions of the invention are useful for the treatment of cancer.

No. of Pages : 87 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7755/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD FOR QUANTIFYING MODIFIED PEPTIDES

(51) International classification	:G01N 33/68
(31) Priority Document No	:0906698.6
(32) Priority Date	:17/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/000770
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/119261
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

1)VANHAESEBROECK, BART  
2)RODRIGUEZ CUTILLAS, PEDRO

(57) Abstract :

The present invention provides a method for quantifying modified peptides in a sample, the method comprising: (a) obtaining peptides from the sample; (b) adding reference modified peptides to the peptides obtained in step (a) to produce a mixture of peptides and reference modified peptides; (c) carrying out mass spectrometry (MS) on said mixture of peptides and reference modified peptides to obtain data relating to the peptides in the sample; and (d) comparing the data relating to the peptides in the sample with data in a database of modified peptides using a computer programme; wherein the database of modified peptides is compiled by a method comprising: (i) obtaining peptides from a sample; (ii) enriching modified peptides from the peptides obtained, in step (i); (iii) carrying out liquid chromatography-tandem mass spectrometry (LC- MS/MS) on the enriched modified peptides obtained in step (ii); (iv) comparing the modified peptides detected in step (iii) to a known reference database in order to identify the modified peptides; and (v) compiling data relating to the modified peptides identified in step (iv) into a database.

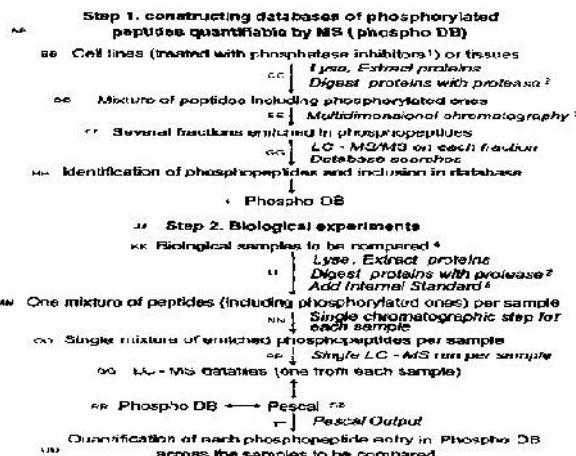


FIG 1

No. of Pages : 54 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7461/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR USING A VERTICAL FURNACE TO INFUSE CARBON NANOTUBES TO FIBER

(51) International classification	:D01F 9/12
(31) Priority Document No	:61/168,526
(32) Priority Date	:10/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030621
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/118381
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**3)ALBERDING, MARK, R.**

---

(57) Abstract :

A method for forming a CNT infused substrate comprises exposing a catalyst nanoparticle, a carbon feedstock gas, and a carrier gas to a CNT synthesis temperature, allowing a CNT to form on the catalyst nanoparticle, cooling the CNT, and exposing the cooled CNT to a surface of a substrate to form a CNT infused substrate.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7462/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SOLAR RECEIVER UTILIZING CARBON NANOTUBE INFUSED COATINGS

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(51) International classification	:F24J 2/48
(31) Priority Document No	:61/167,386
(32) Priority Date	:07/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/030300
Filing Date	:07/04/2010
(87) International Publication No	:WO 2010/118176
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)**Name of Applicant :**

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**2)MALECKI, HARRY, C.**  
**3)ADCOCK, DANNIEL, J.**  
**4)HEICK, KRISTOPHER**

---

(57) Abstract :

A solar receiver includes a heat absorbing element having an outer surface and an inner surface opposite the outer surface and a first coating including a carbon nanotube-infused fiber material in surface engagement with and at least partially covering the outer surface of the heat absorbing element. Solar radiation incident onto the first coating is received, absorbed, and converted to heat energy, and the heat energy is transferred from the first coating to the heat absorbing element. A multilayer coating for a solar receiver device includes a first coating that includes a CNT-infused fiber material and an environmental coating disposed on the first coating.

No. of Pages : 50 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.8194/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ROTATING ELECTRIC MACHINE, IN PARTICULAR DOUBLE-FED ASYNCHRONOUS MACHINE IN THE PERFORMANCE RANGE BETWEEN 20 MVA AND MORE THAN 500MVA

(51) International classification	:H02K 1/28
(31) Priority Document No	:10 2009 018 549.6
(32) Priority Date	:24/04/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/055055 :16/04/2010
(87) International Publication No	:WO 2010/121970
(61) 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 HYDRO FRANCE

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(72)Name of Inventor :

1)ALEXANDER SCHWERY

2)SERDAR CIFYILDIZ

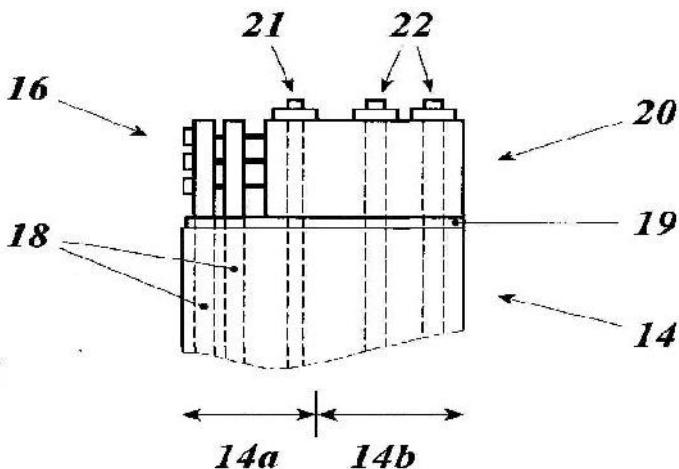
3)HANSPETER WALSER

4)BRUNO MEYER

5)RICARDO OKAI

(57) Abstract :

The invention relates to a rotating electric machine, in particular a double-fed asynchronous machine in the performance range between 20 and 500 MVA, which comprises a rotor, which rotates about an axis and is surrounded concentrically by a stator, the rotor having a rotor laminate stack (14), which is constructed from laminations which are layered and are pressed in the axial direction using a press plate (19) to form a composite, said rotor laminate stack being divided in the radial direction into an inner mechanical region (14b) and an outer electrical region (14a), and a rotor winding (18) being accommodated in the electrical region (14a) in said rotor laminate stack. In such a machine, the axial bracing of the rotor laminate stack is optimized by virtue of the fact that the press plate (19) is divided radially into a separate inner press plate and a separate outer press plate corresponding to the radial division of the rotor laminate stack (14). (Figure 2)



**Fig.2**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7431/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : A METHOD AND A MIXING STATION FOR MIXING OF BULK SOLID MATERIALS WITH BROAD PARTICLE SIZE DISTRIBUTION

(51) International classification	:B01F 3/18
(31) Priority Document No	:20091342
(32) Priority Date	:31/03/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000113
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/114381
(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 :

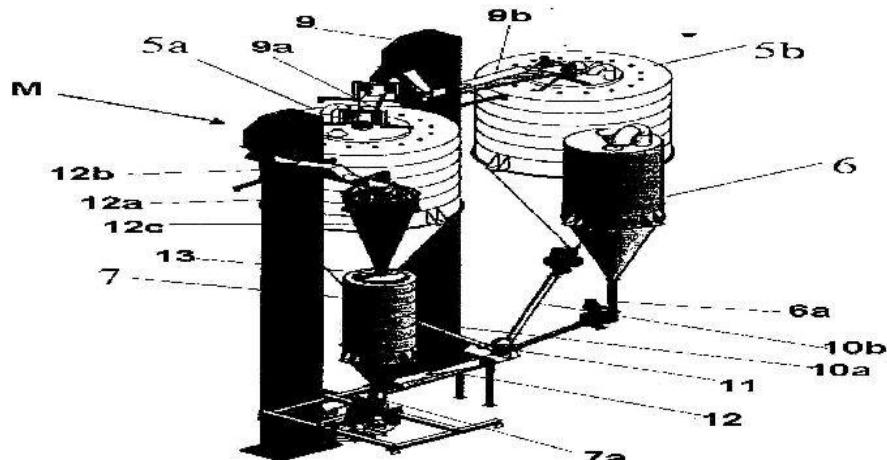
1)MORTEN KARLSEN

2)ARE DYROY

3)VIDAR HJELLE

(57) Abstract :

A method and a station for mixing bulk solid material, in particular for mixing at least two materials (A, B) where at least one of these materials (A) has a broad particle size distribution. The material (A) is homogenized in a first mixer (5a, 5b) before being mixed together with material (B) in a second mixer (7). The material (A) is homogenized in a gravimetric mixer (5a, 5b) with plural chambers and which is discharged in accordance to the mass flow principle. The materials (A) and (B) are preferably mixed in a gravimetric mixer (7) with plural chambers and is further discharged in accordance to the mass flow principle. The material (A) is substantially crushed bath material. The material (B) is primary and/or secondary alumina that mixed with (A) will be used as recycled anode cover material (ACM). Fig. 5 to be published with the abstract



**Fig. 5**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7200/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INTERFACE MODULE, SYSTEM AND METHOD

(51) International classification	:G06Q 30/00
(31) Priority Document No	:0904877.8
(32) Priority Date	:20/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050457
Filing Date	:17/03/2010
(87) International Publication No	:WO 2010/106365
(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)SIVAPATHASUNDRAM SUMITHRAN**

**2)MARDSEN SIMON**

(57) Abstract :

An interface module is provided for a sales processing system that facilitates the integration of a payment system and external systems with the sales processing system.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7201/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONTROL SYSTEM FOR SINGLE-PHASE INDUCTION MOTOR AND CONTROL METHOD FOR SINGLE-PHASE INDUCTION MOTOR

(51) International classification	:H02P 1/42	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PI0900726-1	<b>1)WHIRLPOOL S.A</b>
(32) Priority Date	:10/03/2009	Address of Applicant :AV. DAS NACOES UNIDAS, 12995 - 32° ANDAR BROOKLIN NOVO, CEP: 04578-000 - SAO PAULO - SP, BRAZIL
(33) Name of priority country	:Brazil	
(86) International Application No	:PCT/BR2010/0200066	
Filing Date	:10/03/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/102364	<b>1)SCHWARZ MARCOS G.</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 refers to a control system for a single-phase induction motor comprising at least one electronic control circuit (6), at least a main switch (3), at least an auxiliary switch (4), at least one voltage Conditioner block (5), the main switch (3) being electrically associated to the main winding (21) of the single-phase induction motor (2), the auxiliary switch (4) being electrically associated to the auxiliary winding (22) of the single-phase induction motor (2), the electronic control circuit (6) being electrically associated to the voltage conditioner block (5) by way of first and second power terminals (9,10), the electronic control circuit (6) being electrically associated to the main and auxiliary switches (3,4) by way of first and second command terminals (13,14), the main and auxiliary switches (3,4) being turned on or off by the electronic control circuit (6), in order to energize or de-energize the main (21) and auxiliary (22) windings, the control system for a single-phase induction motor and the single-phase motor (2) being electrically associable to an alternating voltage source (1), the voltage conditioner block (5) is associated in parallel to the auxiliary switch (4) by way of first and second connection terminals (7,8), the voltage conditioner block (5) being capable of accumulating electric energy when the auxiliary switch (4) is turned off, the voltage conditioner block (5) being arranged to supply electrical power greater than a minimum electrical voltage value (Vmin) to the electronic control circuit (6), by way of the first and second power terminals (9,10), for at least a start-up time (tp), by way of the energy accumulated in the voltage conditioner block (5), when the main (3) and auxiliary (4) switches are turned on.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7204/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPOSITIONS AND METHODS FOR USING MULTISPECIFIC-BINDING PROTEINS  
COMPRISING AN ANTIBODY-RECEPTOR COMBINATION

(51) International classification	:C07K 14/71	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/164,023	<b>1)ZYMOGENETICS INC.</b>
(32) Priority Date	:27/03/2009	Address of Applicant :ROUTE 206 AND PROVINCE LINE
(33) Name of priority country	:U.S.A.	ROAD PRINCETON, NJ 08543, U.S.A
(86) International Application No	:PCT/US2010/028877	(72) <b>Name of Inventor :</b>
Filing Date	:26/03/2010	<b>1)PAN QI</b>
(87) International Publication No	:WO 2010/111625	<b>2)BIRKS CARL W.</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SIVAKUMAR PALLAVUR V.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are bispecific binding proteins comprising a antibody/soluble receptor bispecific binding protein that reduces the biological activity of both VEGF-A and FGF. The FGF binding moieties are generally soluble FGFR3 or FGFR2. An Fc polypeptide is fused to the C-terminus of the FGF binding moiety and VEGF-A binding moiety are polypeptides fused using peptide or polypeptide linker sequences, and can be expressed as single bispecific binding protein. The bispecific antibody/soluble receptor binding proteins can be used to treat cancers characterized by solid tumor growth as well as other diseases.

No. of Pages : 256 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7420/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : RESIN COMPOSITION FOR SOLAR CELL ENCAPSULANT, SOLAR CELL ENCAPSULANT AND SOLAR CELL MODULE USING THE SAME

(51) International classification	:H01L 31/042	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-084950	<b>1)JAPAN POLYETHYLENE CORPORATION</b>
(32) Priority Date	:31/03/2009	Address of Applicant :14-1 SHIBA 4-CHOME, MINATO-KU, TOKYO 1080014 (JP) Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/055883	<b>1)AMAMIYA, TAKAHIRO</b>
Filing Date	:31/03/2010	<b>2)ONAKA, TAMAMI</b>
(87) International Publication No	:WO 2010/114028	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A resin composition for a solar cell encapsulant containing an ethylene -olefin copolymer and an organic peroxide or a silane coupling agent or the like, and having superior heat resistance, transparency, flexibility and adhesion property to a glass substrate, as well as good balance between rigidity and cross-linking efficiency, a solar cell encapsulant and a solar cell module using the same. The resin composition for a solar cell encapsulant characterized by containing the ethylene -olef in copolymer (A), having the characteristics of the following (a1) to (a4), along with characteristics of (a5) or (a6) , and the organic peroxide (B) or the silane coupling agent (C). (a1) a density of 0.860 to 0.920 g/cm<sup>3</sup> (a2) a ratio, (Mz/Mn), of Z average molecular weight (Mz) and number average molecular weight (Mn) determined by a gel permeation chromatography (GPC) , of 8.0 or less(a3) a melt viscosity ( 1) measured at 100°C under a shear rate of 2.43x10 s<sup>-1</sup> of 9.0x10<sup>4</sup> poise or less (a4) a melt viscosity ( 2) measured at 100°C under a shear rate of 2.43x10<sup>2</sup> s<sup>-1</sup> of 1.8x10<sup>4</sup> poise or less (a5) a branch number (N) derived from a comonomer in a polymer satisfying the expression (a): (a6) a flow ratio (FR) : a ratio (I10/I2.16) of I10 which is an MFR measured value at 190°C under a load of 10 kg, and I2.16 which is an MFR measured value at 190°C under a load of 2.16 kg, of below 7.0.

No. of Pages : 60 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7424/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : UNSATURATED POLYESTER RESIN

(51) International classification	:C08G 63/52	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09156131.6	<b>1)DSM IP ASSETS B.V.</b>
(32) Priority Date	:25/03/2009	Address of Applicant :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/EP2010/053848	<b>1)SZKUDLAREK, MARIAN HENRYK</b>
Filing Date	:24/03/2010	<b>2)JANSEN, JOHAN FRANZ GRADUS ANTONIUS</b>
(87) International Publication No	:WO 2010/108963	<b>3)DI SILVESTRE, SILVANA RENSINA ANTONNIETTA</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DUYVESTIJN, STEFANUS JACOBUS</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an unsaturated polyester resin comprising itaconate esters as reactive unsaturations, wherein the acid value of the resin is in the range of from 25 to 125 and the molar ratio of hydroxyl end groups and carboxylic acid end groups is in the range of 0.33 to 3. In one embodiment, the molar ratio of hydroxyl end groups and carboxylic acid end groups is in the range of from 0.33 to 0.9. In another embodiment, the molar ratio of hydroxyl end groups and carboxylic acid end groups is in the range of from 1.1 to 3.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.9286/DELNP/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : ROTOR BLADE FOR A WIND TURBINE METHOD AND MANUFACTURING MOLD FOR THE PRODUCTION THEREOF

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2008 030 132.9	<b>1)REPOWER SYSTEMS AG</b>
(32) Priority Date	:27/06/2008	Address of Applicant :UBERSEERING 10, 22297
(33) Name of priority country	:Germany	HAMBURG (DE) Germany
(86) International Application No	:PCT/EP2009/004179	(72) <b>Name of Inventor :</b>
Filing Date	:10/06/2009	<b>1)BENDEL, URS</b>
(87) International Publication No	:WO 2009/156061	<b>2)EYB, ENNO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KNOPS, MARTIN</b>
Filing Date	:NA	<b>4)NA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a rotor blade and a method and a manufacturing mold for the production of a rotor blade for a wind turbine, which extends longitudinally in the operational state from a blade root area to the connection to a rotor hub of the wind turbine and which is divided into at least two segments for its production, wherein at least one subdivision is provided approximately transverse to its longitudinal extension between the blade root area and the blade tip. The object of the invention is to facilitate and shorten the production of the rotor blade, in particular for a series production and to still provide the completed rotor blade as a familiar uniform rotor blade. This object is solved according to the invention with respect to the method in that the at least two segments, preferably after they have been at least partially produced or partially produced mainly parallel in time, are interconnected in an integration device.

No. of Pages : 45 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/09/2011

(21) Application No.7234/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEMS AND METHODS FOR MONITORING A POLYMERIZATION REACTION

(51) International classification	:C08F 2/00
(31) Priority Document No	:61/176,661
(32) Priority Date	:08/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033659
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/129634
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)RICHARD B. PANNELL**

**3)ERIC J. MARKEL**

**4)ROBERT O. HAGERTY**

---

(57) Abstract :

Systems and methods for monitoring a polymerization reactor are provided. The method can include estimating an acoustic condition of a polymer produced in a reactor. The method can also include estimating a stickiness control parameter of the polymer produced in the reactor. The method can further include pairing the acoustic condition with the stickiness control parameter to provide a paired acoustic condition and stickiness control parameter.

No. of Pages : 50 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7709/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : CONTROLLING PLAYBACK OF MEDIA CONTENT

(51) International classification	:H04N 5/93
(31) Priority Document No	:12/411,906
(32) Priority Date	:26/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025972
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/111001
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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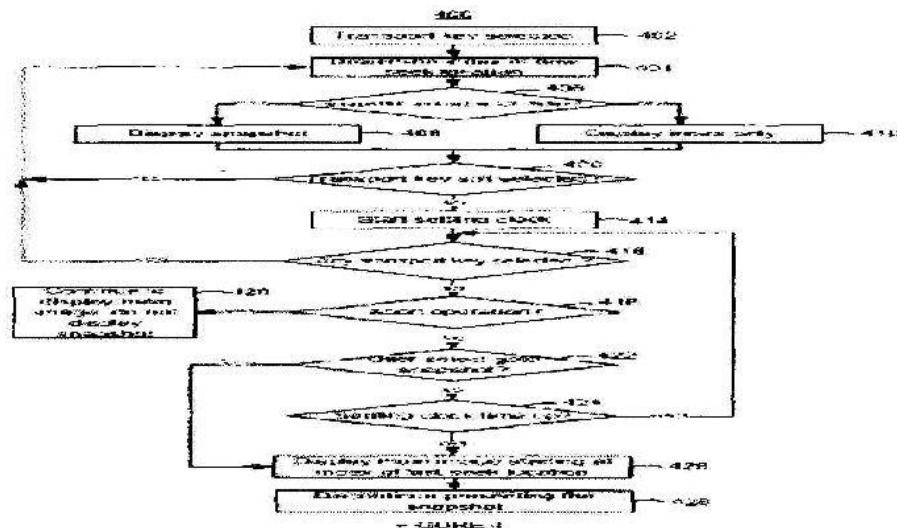
2)WAHLIN, C. WESLEY

3)ROTH, JENNIFER

4)ZOBEL, TIMOTHY

(57) Abstract :

Techniques are disclosed herein for controlling playback of digital media. In one aspect, while playback of the media content is progressing as normal a snapshot such as a thumbnail is displayed to show the user a representation of the media content that is associated with a seek location. In another aspect, the functionality of a transport key is temporarily modified. The temporary modification allows the user to seek to a desired location very accurately and may result in fewer input keys being selected. Moreover, because the modification is temporary a great deal of flexibility is provided.



No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7645/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TIRE METALLIC CABLE ANOMALY DETECTION METHOD AND APPARATUS

(51) International classification	:G01M 17/02
(31) Priority Document No	:PCT/US2009/040017
(32) Priority Date	:09/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029390
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/117855
(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)GENE EDWARD DEAMICIS**

**3)FRANK E. GRAMLING**

**4)DAVID ANDREW JUDD**

---

(57) Abstract :

Disclosed is an apparatus and methodology for detecting anomalies in cables within a tire structure. A plurality of magnetic field sensitive sensors is aligned within a magnetic field provided by a magnet. The alignment of sensors and magnet is such that flux lines from the magnet are generally parallel to the plane occupied by the magnetic sensors. A tire cable anomaly present between the magnetic field sensitive sensors produces a detectable difference in signals produced by the magnetic field sensitive sensors as a result of the formation of perpendicular flux patterns produced by the anomaly. A signal processing circuit receiving input signals from the sensors evaluates differences between the signals from each of the plurality of sensors by pairing the output signal from each sensor with the output signal from each of the others of the plurality of sensors and produces an output signal upon the differences meeting selected criteria. The output signal may include an externally measurable signal and/or may include a visual signal indicating presence of a tire anomaly.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7646/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : OSSEOSYNTHESIS PLATE WITH KEYHOLE FEATURE

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(51) International classification	:A61B 17/80
(31) Priority Document No	:61/167,598
(32) Priority Date	:08/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029939
Filing Date	:05/04/2010
(87) International Publication No	:WO 2010/117940
(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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OBERDORF, SWITZERLAND

(72)Name of Inventor :

**1)ROBERT FRIGG**

**2)TOM OVERES**

---

(57) Abstract :

A bone plate comprises a first plate opening extending therethrough, the first plate opening comprising a first cylindrical portion sized and shaped to receive therethrough a shaft of a first bone fixation element to be passed through the plate to fix the bone plate to a target bone to be treated in a desired position, a top surface of the first cylindrical portion comprising a recess sized and shaped to lockingly seat a head of the first bone fixation element therein and a first elongated portion open to the first cylindrical portion being sized and shaped to permit slidable movement of the shaft of the first bone fixation element therethrough while preventing passage therethrough of the head of the first bone fixation element.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7647/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 11/10/2013

(54) Title of the invention : PHOTOSYNTHETIC REACTOR FOR CULTIVATING MICROORGANISMS, AND METHOD FOR CULTIVATING MICROORGANISMS

(51) International classification	:C12M 1/00
(31) Priority Document No	:09/51917
(32) Priority Date	:25/03/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2010/050395 :09/03/2010
(87) International Publication No	:WO 2010/109108
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MICROPHYT

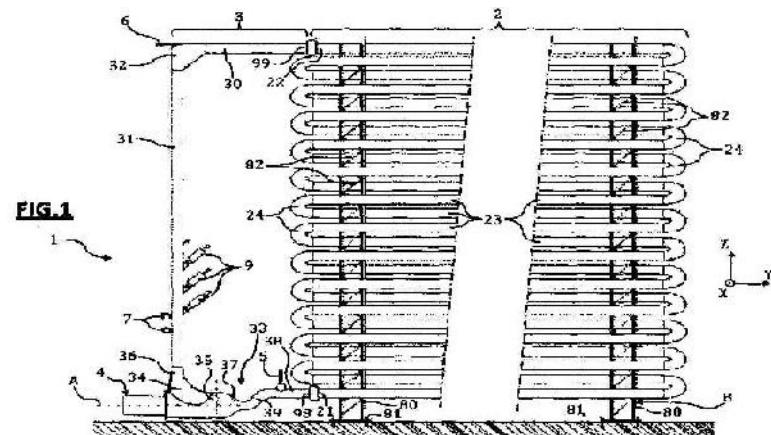
Address of Applicant :713 ROUTE DE MUDAISON 34670  
BAILLARGUES FRANCE

(72)Name of Inventor :

1)MULLER-FEUGA, ARNAUD

(57) Abstract :

A photosynthetic reactor (1) suitable for cultivating photosynthetic microorganisms, notably algae, comprising at least one photosynthetic reaction pipe (2) at least one return pipe (3), at least one means (4) for circulating the liquid culture medium, at least one gas injection means (5) and at least one exhaust means (6) positioned in the high portion of the reactor (1), wherein the placement of the gas injection means (5) and/or the conformation of the reaction pipe (2) or of the return pipe (3) are designed so that the gas injected by the injection means (5) rises again to the exhaust means (6) by circulating in the reaction pipe (2), in a low-to-high flow direction, so that the injected gas and the liquid culture medium establish a gas/liquid two-phase flow in a substantially horizontal reaction section (23) of the reaction channel (2). The present invention finds application in the field of cultivating photosynthetic microorganisms and notably algae.



No. of Pages : 44 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7766/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : POWER TRANSMISSION APPARATUS USING PLANETARY GEAR

(51) International classification	:F16H 3/44
(31) Priority Document No	:10-2009-0019718
(32) Priority Date	:09/03/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/001472
Filing Date	:09/03/2010
(87) International Publication No	:WO 2010/104320
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HA, TAE-HWAN

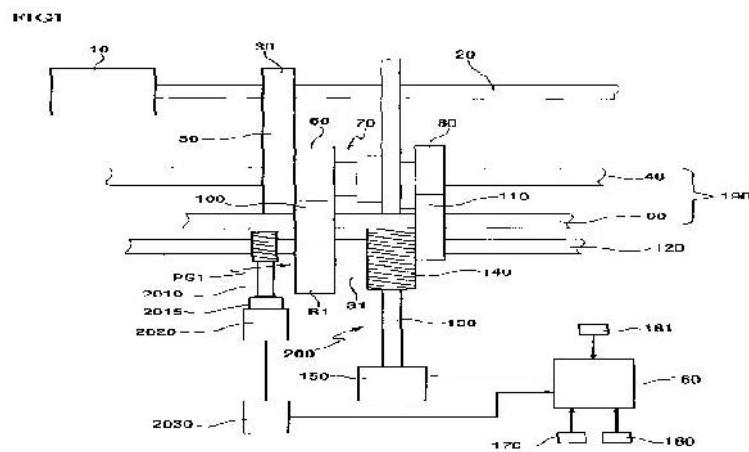
Address of Applicant :#10-1406 BYEOKSAN APT., 271-3 HAGYE-DONG, NOWON-GU, SEOUL 139-939, REPUBLIC OF KOREA.

(72)Name of Inventor :

1)HA, TAE-HWAN

(57) Abstract :

The present invention relates to a power transmission apparatus which includes a planetary gear set with a planetary carrier of which one side extending to form gear teeth, wherein rotating speed input from a driving power source is reduced and then input to one actuating means, rotating speed of a gear-shifting power source is input to another actuating means to achieve a plurality of gear shifts, generating power is obtained from an output shaft to store electricity to a storage battery, the stored electric energy is utilized as controlling energy for gear-shifting power so that a transmission input shaft can be easily controlled. The power transmission apparatus according to embodiments of the present invention includes an input shaft that has one end constantly connected to a driving power source to receive power from the driving power source, the input shaft having a driving gear fixed mounted thereon; a deceleration unit that is connected to the driving gear and reduces rotating speed of the input shaft; a planetary gear set that includes a first actuating means connected to the deceleration unit and receiving rotating speed of the deceleration unit, a second actuating means receiving power for gear shift, and a third actuating means generating output speed; a gear shift unit that is constantly connected to a gear-shifting power source to receive power for gear shift therefrom, the gear shift unit being coupled with the second actuating means to transfer the power for gear shift thereto; and an output shaft that is fixed to the third actuating means of the planetary gear set to transmit output speed, wherein a rotation axis of the second actuating means is perpendicular to a rotation axis of the deceleration unit, a torque control shaft is connected to the second actuating means to receive rotation force of the second actuating means through a power transferring means, a generator for generating electricity is connected to the torque control shaft, and a storage battery for supplying electricity to the gear-shifting power source is connected to the generator. [DRAWINGS] [Figure 1]



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.9268/DELNP/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REMOVABLE SADDLE COMPRISING A BATTERY FOR AN ELECTRIC CYCLE

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(51) International classification

:B62J

(31) Priority Document No

:PCT/IB2008/001395

(32) Priority Date

:30/05/2008

(33) Name of priority country

:PCT

(86) International Application No

:PCT/IB2008/001395

Filing Date

:30/05/2008

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)LAURENT, HERVE  
2)GILET, CHRISTOPHE**

---

(57) Abstract :

A removable saddle assembly for an electric cycle, comprising: - a battery container housing at least one battery, - a seat cushion covering the battery container, - securing means for removably securing the removable saddle to the electric cycle, - electric connection means for connecting the battery to an electric propulsion motor of the cycle, at least one grip means for handling the saddle assembly when removed from the cycle.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7617/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PRODUCING AROMATIC HYDROCARBONS

(51) International classification	:C01G 35/14
(31) Priority Document No	:2009-078602
(32) Priority Date	:27/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002172
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/109899
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**(72)Name of Inventor :**

**1)HIDEKI MINAMI**

**2)YOSHISHIGE SUGI**

**3)ATSUSHI FUKUI**

**4)ATSURO NAGUMO**

**5)SHINICHIRO YANAGAWA**

**6)KAZUAKI HAYASAKA**

---

**(57) Abstract :**

A method for producing aromatic hydrocarbons in which at least one feedstock oil selected from the group consisting of LCO produced from an FCC apparatus, hydrotreated LCO, naphtha and straight-run gas oil is brought into contact with a reforming catalyst inside a fluidized bed reactor, wherein the method includes transporting a reforming catalyst that has been extracted from the fluidized bed reactor to a heating tank, heating the reforming catalyst in the heating tank to a temperature at least as high as the reaction temperature inside the fluidized bed reactor, and following heating, transporting the heated reforming catalyst to the fluidized bed reactor.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7730/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : POLYMERIC MATERIALS•

(51) International classification	:C08B
(31) Priority Document No	:0906823.0
(32) Priority Date	:21/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050631
Filing Date	:16/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)VALENTINE Craig**

**2)ELLERAY Andrew**

**3)CARTWRIGHT Keith**

---

(57) Abstract :

The use of barium sulphate for increasing the impact strength of a polyaryletherketone and/or a polyarylethersulphone involves compounding the barium sulphate with the polymeric material and including water in the composition prepared. The material may be used in implantable prostheses. (FR) L'invention porte sur l'utilisation de sulfate de baryum pour l'augmentation de la résistance au choc d'un polymère polyaryltherctone et/ou polyarylthersulfone comprenant le mélange de sulfate de baryum avec le matériau polymère et l'incorporation d'eau dans la composition préparée. Le matériau peut être utilisé dans des prothèses implantables.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7745/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NON-ORIENTED ELECTRICAL STEEL SHEET AND MANUFACTURING METHOD THEREOF

(51) International classification	:C22C 38/00
(31) Priority Document No	:2009-134178
(32) Priority Date	:03/06/2009
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2010/058807 :25/05/2010
(87) International Publication No	:WO 2010/140509
(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)NIPPON STEEL & SUMITOMO METAL  
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**(72)Name of Inventor :**

- 1)MASAFUMI MIYAZAKI**
- 2)HIDEAKI YAMAMURA**
- 3)TAKESHI KUBOTA**
- 4)YOU SUKE KUROSAKI**
- 5)KAZUTO KAWAKAMI**
- 6)KAZUMI MIZUKAMI**
- 7)TAKEAKI WAKISAKA**

**(57) Abstract :**

In a non-oriented electrical steel sheet, Si: not less than 1.0 mass% nor more than 3.5 mass%, Al: not less than 0.1.mass% nor more than 3.0 mass%, Ti: not less than 0.001 mass% nor more than 0.01 mass%, Bi: not less than 0.001 mass% nor more than 0.01 mass%, and so on are contained. (1) expression described below is satisfied when a Ti content (mass%) is represented as [Ti] and a Bi content (mass%) is represented as [Bi].  $[Ti] - 0.8 \times [Bi] + 0.002 \dots (1)$

No. of Pages : 53 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7746/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A CAVITY INSERT FOR A MOLDING SYSTEM, THE CAVITY INSERT HAVING A DEFORMABLE PORTION

(51) International classification	:B29C 45/17	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/172,280	<b>1)HUSKY INJECTION MOLDING SYSTEMS LTD.</b>
(32) Priority Date	:24/04/2009	Address of Applicant :500 QUEEN STREET SOUTH, BOLTON, ONTARIO L7E 5S5, CANADA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CA2010/000495	<b>1)DEREK ROBERTSON MCCREADY</b>
Filing Date	:08/04/2010	
(87) International Publication No	:WO 2010/121349	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to embodiments of the present invention, there is provided a cavity insert for a molding system, the cavity insert having a deformable portion. More specifically, A cavity insert (106) is provided, the cavity insert (106) is for a molding stack (102) for use in an injection mold, the cavity insert (106). The cavity insert (106) comprises a body (122) configured to be received, in use, within a cavity plate (104) of the injection mold; the body (122) defining: a cavity molding surface (124) along an inner portion thereof; a circumferentially deformable portion (123); and an actuator interface (134) configured to cooperate, in use, with a complementary actuating interface (136) that is defined on a compression member (138) to generate a compressive force that selectively elastically deforms the circumferentially deformable portion (123).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7748/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INSECTICIDE COMPOSITION COMPRISING A SPINOSYN AND A METAL OXIDE

(51) International classification	:A01N 43/22
(31) Priority Document No	:61/214,953
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/001228 :27/04/2010
(87) International Publication No	:WO 2010/126578
(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)STEPHEN LEWIS WILSON**
- 2)LEI LIU**
- 3)JAMES D. THOMAS**
- 4)RAYMOND E. BOUCHER, JR.**
- 5)JAMES EDWIN DRIPPS**
- 6)MARGARET SUE KEMPE**
- 7)JOHN M. ATKINSON**
- 8)DOUGLAS J. LINSCOTT**

**(57) Abstract :**

Pest controlling compositions exhibiting enhanced pesticidal activity levels are disclosed. In one embodiment, a composition includes at least one pesticide and at least one metal oxide. In this embodiment, the composition exhibits enhanced pesticidal activity levels compared to a composition dissimilar only in not having the at least one metal oxide. Still, other alternative embodiment pesticide compositions exhibiting enhanced pesticidal activity are disclosed.

No. of Pages : 150 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/09/2011

(21) Application No.7309/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SANDWICH COMPOSITE ELEMENTS

(51) International classification	:B29C 44/46	(71)Name of Applicant :
(31) Priority Document No	:09004238.3	<b>1)BAYER MATERIALSCIENCE AG</b>
(32) Priority Date	:25/03/2009	Address of Applicant :51368 LEVERKUSEN, GERMANY
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/001639	<b>1)RALF KOSTER</b>
Filing Date	:16/03/2010	<b>2)HORST-UWE JUNG</b>
(87) International Publication No	:WO 2010/108615	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Device for applying foaming reaction mixtures, comprising (a) a mixing head for mixing raw materials for the production of the foam, (b) a distributor head located behind the mixing head in terms of flow, (c) at least two flexible hose lines attached to the distributor head, and (d) at least two stationary casting rakes for applying the mixture of raw materials for forming the foam to a moving substrate.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9136/DELNP/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A TEST RIG FOR TESTING BLADES FOR A WIND TURBINE

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(51) International classification	:G01L
(31) Priority Document No	:PA 2008 00906
(32) Priority Date	:30/06/2008
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/EP2009/058141
Filing Date	:30/06/2009
(87) International Publication No	:WO 2010/000711
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)VESTAS WIND SYSTEMS A/S**

Address of Applicant :ALSVEJ 21, DK-8940 RANDERS SV,  
DENMARK

(72)Name of Inventor :

**1)GUY, STUART**

(57) Abstract :

The invention provides a test rig for testing blades for a wind turbine, the test rig comprising a fixing structure where a root end of a wind turbine blade can be fixed, a loading mass structure extending from the fixing structure, and an actuation structure which can apply a sinusoidal force to the loading mass structure so that a counterbalanced resonance is established between the loading mass structure and a blade which is fixed in the fixing structure. Due to the counterbalanced resonance, the force from the test rig onto the floor or other building components can be reduced relative to that known from the traditional rigs for blade testing.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2011

(21) Application No.7197/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : AN IMPROVED DRY POWDER DRUG DELIVERY SYSTEM

(51) International classification	:A61K 9/72
(31) Priority Document No	:61/157,506
(32) Priority Date	:04/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/026271
Filing Date	:04/03/2010
(87) International Publication No	:WO 2010/102148
(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)SMUTNEY, CHAD, C.

2)ADAMO, BENOIT

3)POLIDORO, JOHN, M.

4)KINSEY, P. SPENCER

5)OVERFIELD, DENNIS

6)SAHI, CARL, R.

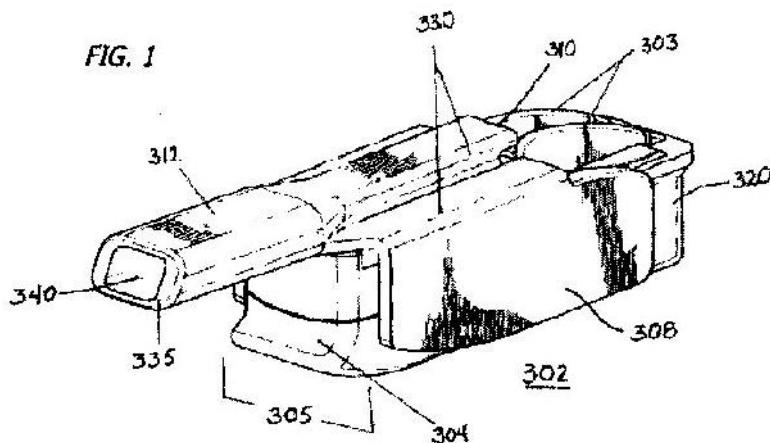
7)BILLINGS, CHRISTINE

8)MARINO, MARK T.

(57) Abstract :

A pulmonary drug delivery system is disclosed, including a breath-powered, dry powder inhaler, and a cartridge for delivering a dry powder formulation. The inhaler and cartridge can be provided with a drug delivery formulation comprising, for example, a diketopiperazine and an active ingredient, including, peptides and proteins such as insulin and glucagon-like peptide 1 for the treatment of endocrine disease, for example, diabetes and/or obesity.

FIG. 1



No. of Pages : 112 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7619/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHARMACEUTICAL COMBINATIONS COMPRISING RDEA119/BAY 869766 FOR THE TREATMENT OF SPECIFIC CANCERS

(51) International classification	:A61K 31/18	(71) <b>Name of Applicant :</b> <b>1)ARDEA BIOSCIENCES, INC.</b> Address of Applicant :4939 DIRECTORS PLACE, SAN DIEGO, CA 92121, UNITED STATES OF AMERICA
(31) Priority Document No	:61/159,403	
(32) Priority Date	:11/03/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/07060	(72) <b>Name of Inventor :</b> <b>1)MARK S. CHAPMAN</b>
Filing Date	:11/03/2010	
(87) International Publication No	:WO 2010/105110	
(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 oncology and provides compositions and methods for treating specific cancers, including non small cell lung cancer, breast cancer, thyroid cancer, pancreatic cancer, colon cancer, melanoma, hepatoma and adenocarcinoma. Particularly, compositions and methods involving administration, either simultaneously or sequentially, of pharmaceutical combinations comprising (S)-N-(3,4-difluoro-2-(2-fluoro-4-iodophenylamino)-6-methoxyphenyl)-1 -(2,3-dihydroxypropyl)cyclopropane-1-sulfonamide with other compounds, to patients suffering from cancer are described.

No. of Pages : 66 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2011

(21) Application No.7621/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : INSECTICIDAL COMPOUNDS

(51) International classification	:C07C 237/44
(31) Priority Document No	:0907824.7
(32) Priority Date	:06/03/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/054864
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/127928
(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)GODFREY CHRISTOPHER RICHARD AYLES**

**3)JUNG PIERRE JOSEPH MARCEL**

**4)HUETER OTTMAR FRANZ**

**5)RENOLD PETER**

(57) Abstract :

The present invention relates to bis-amide derivatives of formula (I), to processes and intermediates for preparing them, to methods of using them to control insect, acarine, nematode and mollusc pests, and to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising them.

No. of Pages : 67 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9145/DELNP/2010 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FULVIC ACID AND ANTIBIOTIC COMBINATION

(51) International classification	:A61K
(31) Priority Document No	:2008/04901
(32) Priority Date	:05/06/2008
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/IB2009/052366
Filing Date	:04/06/2009
(87) International Publication No	:WO 2009/147635
(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)FERNANDES, ANTONIO CELESTINO**

**2)MEDLEN, CONSTANCE ELIZABETH**

**3)LEIVERS, STEPHEN**

---

(57) Abstract :

This invention relates to a fulvic acid and antibiotic combination for use in the treatment of various diseases and conditions. The invention further relates to the use of the combination for the treatment of various diseases and conditions, including bacterial infection. In particular, the bacteria are antibiotic resistant bacteria.

No. of Pages : 22 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7718/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : IN-PIPE HYDRO-ELECTRIC POWER SYSTEM AND TURBINE

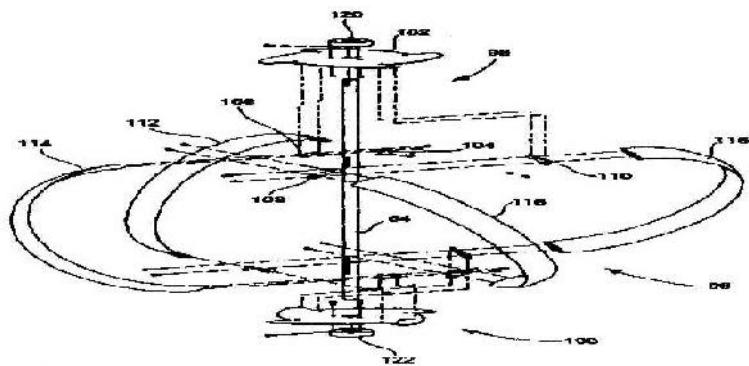
(51) International classification :F03B 17/06  
(31) Priority Document No :12/384,765  
(32) Priority Date :07/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028378  
    Filing Date :24/03/2010  
(87) International Publication No :WO2010/117621  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

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(72)Name of Inventor :  
**1)RODERIC A. SCHLABACH**  
**2)MARK RYDELL COSBY**  
**3)EDWARD KURTH**  
**4)IGOR PALLEY**  
**5)GREG SMITH**

(57) Abstract :

A generally spherical turbine configured to rotate transversely within a cylindrical pipe under the power of fluid flowing either direction therethrough is operatively coupled with a rotating machine or generator to produce electricity. In one embodiment, the blades of the spherical turbine curve in an approximately 180 degree arc in a plane that is at an inclined angle relative to the rotational axis of a central shaft. In another embodiment, a deflector is provided upstream of the spherical turbine and within the cylindrical pipe to control flow through the spherical turbine by shielding a part thereof. The blades of the spherical turbine are airfoil in cross section to optimize hydrodynamic flow, to minimize cavitation, and to maximize conversion from axial to rotating energy



**FIGURE 3**

No. of Pages : 27 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/09/2011

(21) Application No.7398/DELNP/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MINIREACTOR ARRAY

(51) International classification	:B01J 19/00
(31) Priority Document No	:61/174,493
(32) Priority Date	:30/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033113
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/12711
(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)JAMES MICHEAL HARRIS**

**2)JAMES SCOTT SUTHERLAND**

**3)ANDREW DAVID WOODFIN**

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(57) Abstract :

An array of honeycomb substrates comprises honeycomb substrates, a plurality of which have, for each substrate, substrate cells extending from a first end of the respective substrate to a second end and substrate sides extending from the first end to the second end. The substrates of the plurality are arranged in an array with sides of respective substrates facing one another and cells of respective substrates extending in a common direction. One or more channels are defined by facing substrate sides of two or more substrates of the plurality, and the one or more channels extend in a direction perpendicular to the common direction.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2011

(21) Application No.7270/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYRINGE FOR SINGLE USE

(51) International classification	:A61C 9/00
(31) Priority Document No	:09155936.9
(32) Priority Date	:23/03/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP10/053625
Filing Date	:19/03/2010
(87) International Publication No	:WO 2010/108868
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SULZER MIXPAC AG**

Address of Applicant :RUTISTRASSE 7, CH-9469 HAAG,  
SWITZERLAND

(72)Name of Inventor :

**1)JOSEF ETTLIN**

**2)ARMIN HEGGLIN**

(57) Abstract :

A syringe (1) which is designed for the single metering of a filler material (15) contains a storage chamber (5, 6, 7) for the reception of the filler material (15), wherein the storage chamber (5) has a discharge end (28) for the dispensing of the filler material and a conveying end (29) which is disposed opposite the discharge end (28), wherein the storage chamber (5, 6, 7) contains a closable discharge element (13) so that the filler material is storable in the storage chamber (5, 6, 7). A docking element (10) is provided for the connection of the storage chamber (5, 6, 7) to a cartridge (2) for the filling of the storage chamber (5, 6, 7) with the filler material (15).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/10/2011

(21) Application No.7701/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND ARRANGEMENT FOR IMPROVEMENT OF THE DYNAMIC BEHAVIOR OF A COAL-FIRED POWER PLANT BY PRIMARY AND/OR SECONDARY REQUIREMENTS OF THE POWER GRID OPERATOR TO THE CURRENT FLOW TO THE POWER GRID

(51) International classification	:F23C 6/02
(31) Priority Document No	:10 2009 016 191.0
(32) Priority Date	:03/04/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/DE2010/000323 :19/03/2010
(87) International Publication No	:WO 2010/115396
(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)ALSTOM TECHNOLOGY LTD**

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

(72)**Name of Inventor :**

**1)DRENICK OLIVIER**

**2)BRUEGGEMANN HELLMUTH**

**3)HEIM MICHAEL**

**4)MIRZA HAIDER**

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(57) Abstract :

The invention relates to a method for improving the dynamic behavior of a coal-fired power plant for primary and/or secondary requirements of the power grid operator with respect to the current output into the grid, wherein the power plant has a nominal output (RC) and is operated by way of firing, wherein upon an increase in the primary and/or secondary requirements of the power grid operator with respect to the current output into the grid the coal dust volume that is supplied is raised with respect to the present actual output, and wherein upon a decrease in the primary and/or secondary requirements of the power grid operator with respect to the current output into the grid the coal dust volume that is supplied is lowered with respect to the present actual output and is stored, and to an assembly for carrying out the method.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2010

(21) Application No.9259/DELNP/2010 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : SHIFT ARRANGEMENT FOR A MOTOR VEHICLE VARIABLE SPEED GEARBOX

(51) International classification	:F16H
(31) Priority Document No	:10 2008 031313.0
(32) Priority Date	:02/07/2008
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2009/057163
Filing Date	:10/06/2009
(87) International Publication No	:WO 2010/000590
(61) 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 GMBH & CO. KG  
Address of Applicant :INDUSTRIESTRASSE 1-3, 91074  
HERZOGENAU RACH, GERMANY

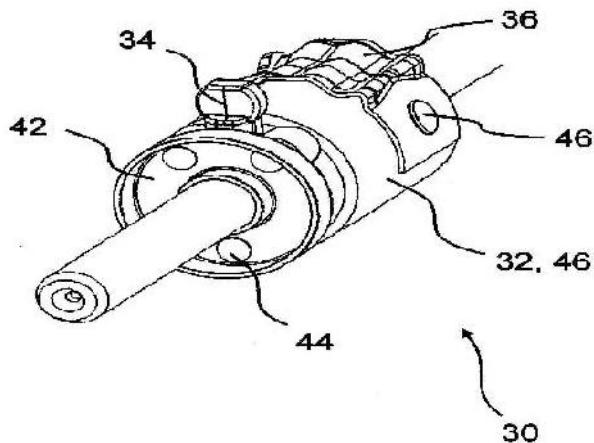
(72)Name of Inventor :

1)THOMAS KLEIBER

(57) Abstract :

The present invention concerns a gear shifting arrangement of a gear transmission of an automotive vehicle, said gear shifting arrangement comprising a gearshift shaft (30) which is mounted for pivoting and longitudinal displacement in a housing and comprises on its outer periphery at least one locking cylinder (32) and at least one gearshift finger (34) projecting radially out of the locking cylinder (32) for cooperating with gearshift elements of the transmission. According to the invention, the at least one gearshift finger (34) is connected by positive engagement and rotationally fast to the gearshift shaft (30) and fixed in place between adjoining individual parts of the locking cylinder (32).

Fig. 4



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7435/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TREATMENT OF A SAMPLE WITH FOCUSED ACOUSTIC ENERGY

(51) International classification	:G01N 1/44
(31) Priority Document No	:09157850.0
(32) Priority Date	:14/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/CH2010/000093
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/118540
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BIOCARTIS SA

Address of Applicant :QUARTIER INNOVATION EPFL=G,  
CH-1015 LAUSANNE, SWITZERLAND

(72)Name of Inventor :

1)ARIE R. VAN DOORN

2)RONALD DE GIER

3)LOUIS STROUCKEN

4)MARLOES M. E. B. VAN DE WAL

5)SERGEI SHULEPOV

6)NICOLLAS B. ROOZEN

7)CONTANTIJN W. M. BRANTJES

8)MICHIEL DE JONG

9)HENDRIK S. VAN DAMME

---

(57) Abstract :

The invention relates to a device for treating a sample with focused acoustic energy. Thereby the generated acoustic energy is transmitted from the source to the sample via a complete dry propagation path. A cartridge (103) containing the sample(101) is inserted into an instrument (102), wherein the insertion forms a dry propagation path.

No. of Pages : 64 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7436/DELNP/2011 A

(43) Publication Date : 11/10/2013

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

(51) International classification	:G09G 5/36
(31) Priority Document No	:2010-024403
(32) Priority Date	:05/02/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/050956
Filing Date	:20/01/2011
(87) International Publication No	:WO 2011/096280
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SONY CORPORATION**

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

(72)Name of Inventor :

**1)YUJI TSUCHIDA**

(57) Abstract :

Provided are a mask addition unit for adding a mask to an input image of a two-dimensional (2D) image on the basis of a parameter for converting the 2D image into a three-dimensional (3D) image by a monocular stereopsis principle, a conversion unit for converting the input image to which the mask is added by the mask addition unit into a right-eye image and a left-eye image by the monocular stereopsis principle, and a display unit for displaying the right-eye image and the left-eye image.

No. of Pages : 29 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/09/2011

(21) Application No.7437/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MINERAL INSULATED SKIN EFFECT HEATING CABLE

(51) International classification	:H05B 6/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/039292
Filing Date	:02/04/2009
(87) International Publication No	:WO 2010/114547
(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)TYCO THERMAL CONTROLS LLC

Address of Applicant :307 CONSSTITUTION DRIVE, MELNO PARK, CALIFORNIA 94025 U.S.A.

(72)Name of Inventor :

1)PARMAN DAVID G.

2)WHITE LAWRENCE

(57) Abstract :

A skin-effect heater cable has inorganic ceramic insulation. The heater cable has at least one core conductor wire within a sheath. Electricity is directed through the core conductor in an outward path and returns along a surface skin of the sheath in a return path for generating heat.

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7751/DELNP/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PESTICIDE COMPOSITIONS EXHIBITING ENHANCED ACTIVITY

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(51) International classification :A01N 37/46  
(31) Priority Document No :61/214,952  
(32) Priority Date :30/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/001246  
    Filing Date :27/04/2010  
(87) International Publication No :WO 2010/126588  
(61) 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**  
Address of Applicant :9330 ZIONSVILLE ROAD,  
BUILDING #308, INDIANAPOLIS, INDIANA 46268-1054,  
UNITED STATES OF AMERICA  
(72)**Name of Inventor :**  
**1)STEPHEN LEWIS WILSON**  
**2)LEI LIU**  
**3)JAMES D. THOMAS**  
**4)RAYMOND E. BOUCHER, JR.**  
**5)JAMES EDWIN DRIPPS**  
**6)MARGARET SUE KEMPE**

(57) Abstract :

Pest controlling compositions exhibiting enhanced pesticidal activity levels are disclosed In one embodiment, a composition includes at least one pesticide, at least one proteinaceous material and at least one polymeric material. In this embodiment, the composition exhibits enhanced pesticidal activity levels compared to a composition dissimilar only in not having the at least one proteinaceous material and the at least one polymeric material. Still, alternative embodiment pesticide compositions exhibiting enhanced activity levels are disclosed.

No. of Pages : 72 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.7753/DELNP/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : METHOD AND APPARATUS FOR OFFSHORE HYDROCARBON ELECTROMAGNETIC PROSPECTING BASED ON CIRCULATION OF MAGNETIC FIELD DERIVATIVE MEASUREMENTS

(51) International classification	:G01V 3/165
(31) Priority Document No	:20091088
(32) Priority Date	:12/03/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000091
Filing Date	:11/03/2010
(87) International Publication No	:WO 2010/104401
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ADVANCED HYDROCARBON MAPPING AS

Address of Applicant :SKOGSTOSTRAEN 37 (4 ETG), N-4029 STAVANGER, NORWAY

(72)Name of Inventor :

1)KJERSTAD, JOSTEIN KARE

2)FAINBERG, EDUARD B.

3)BARSUKOV, PAVEL

(57) Abstract :

A system for offshore hydrocarbon electromagnetic prospecting is described. The system includes a transmitter generating electromagnetic energy and injecting an electrical current into a flooded vertical cable. The circulated induced vertical current time derivative's response generated by this current in the medium is measured by a circular chain of magnetometers. The measured response which is sensitive to the resistivity of targets is proposed to be used to search for and identify hydrocarbon reservoirs.

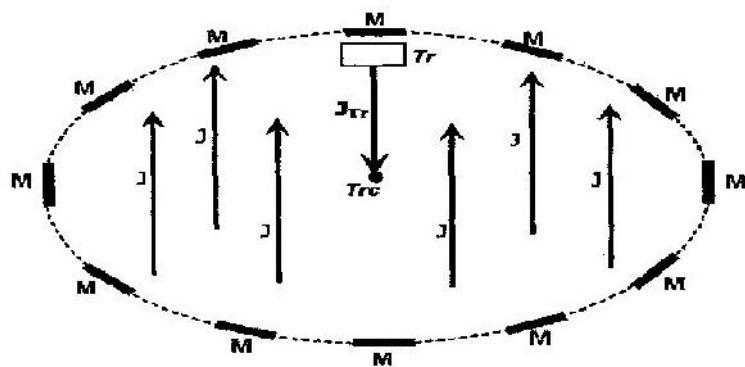


Fig. 1

No. of Pages : 38 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2012

(21) Application No.1180/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TEST KIT AND METHOD FOR QUANTITATIVE DETERMINATION OF THIURAM COMPOUNDS IN A SAMPLE

(51) International classification	:G01N 33/44	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)THE THAILAND RESEARCH FUND</b>
(32) Priority Date	:NA	Address of Applicant :14th Floor SM Tower 979/17-21
(33) Name of priority country	:NA	Phaholyothin Road Samsennai Phayathai Bangkok 10400
(86) International Application No	:PCT/SG2009/000420	Thailand
Filing Date	:11/11/2009	<b>2)PRINCE OF SONGKLA UNIVERSITY</b>
(87) International Publication No	:WO/2011/059403	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)CHEEWASEDTHAM Wilairat</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Various test kits and processes for determining or estimating a quantity of a thiuram compound in a latex or latex product sample are disclosed. In one embodiment, a determination process includes contacting a sample with (1) a complexing solution containing copper (II) ions that can form complexes with thiuram compounds in the sample; and (2) a differentiating solution containing a compound that can extract a copper (I)-thiuram compound. Contacting the sample with the complexing solution and the differentiating solution results in the formation of a mixture having a first and a second layer of different densities. An optical property (e.g., colour) of the lower density layer corresponds to an amount of thiuram compounds in the sample, hence the quantity of thiuram in the sample can be determined or estimated. In some embodiments, the test procedure includes preparing a series of diluted solutions having known concentration for use as comparison standards.

No. of Pages : 29 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2012

(21) Application No.1240/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR USING BIOMASS IN BLAST FURNACE

(51) International classification	:B09B3/00, C10B53/02	(71) <b>Name of Applicant :</b> <b>1)JFE STEEL CORPORATION</b> Address of Applicant :2-3 Uchisaiwai-cho 2 -chome Chiyoda-ku Tokyo 100-0011 Japan.
(31) Priority Document No	:2009-248908	
(32) Priority Date	:29/10/2009	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/069641	<b>1)TSURUTA Hidekazu</b>
Filing Date	:28/10/2010	<b>2)ASANUMA Minoru</b>
(87) International Publication No	:WO/2011/052796	<b>3)FUJIBAYASHI Akio</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a biomass using method capable of, when biomass is used as a blast furnace blowing material as a substitute for pulverized coal, increasing the flammability and heating value of the biomass to about the same level as those of the pulverized coal and capable of using conventional pulverized coal blowing equipment by enhancing the air transportability. A method for using biomass in a blast furnace is used, the method being characterized in that: biomass (A) is dried by distillation to manufacture biomass coal (D) showing a Hardgrove grindability index (HGI) of 45 or more; the biomass coal (D) is pulverized together with coal (B); and the pulverized powder is blown from a tuyere (15) as an auxiliary reducing material in a blast furnace (14). It is preferable that the biomass (A) is dried by distillation at 450 °C or higher for 30 minutes or longer to manufacture the biomass coal.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/05/2012

(21) Application No.1241/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR OPERATING BLAST FURNACE

(51) International classification	:B09B3/00, C10B53/02	(71) <b>Name of Applicant :</b> <b>1)JFE STEEL CORPORATION</b> Address of Applicant :2-3 Uchisaiwai-cho 2 -chome Chiyoda-ku Tokyo 100-0011 Japan.
(31) Priority Document No	:2009-248909	
(32) Priority Date	:29/10/2009	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/069640	<b>1)TSURUTA Hidekazu</b>
Filing Date	:28/10/2010	<b>2)ASANUMA Minoru</b>
(87) International Publication No	:WO/2011/052795	<b>3)FUJIBAYASHI Akio</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 operating a blast furnace is provided with which problems that arise when dust coal is used as a supplemental reducing material in a blast furnace operation are eliminated and it is possible to contribute to a reduction in CO<sub>2</sub> emission by using biomass in place of dust coal. The method for operating a blast furnace into which dust coal is blown as a supplemental reducing material through the tuyeres is characterized by carbonizing biomass (1) in a carbonizer (2), pulverizing the resultant biomass char (3), and blowing the pulverized char into the furnace through the tuyeres simultaneously with dust coal (4). It is preferable that the dust coal and the biomass char be mixed with each other by means of a mixer (5) and then blown into the furnace through the tuyeres, and that the dust coal and the biomass char be blown through the tuyeres so that the total volatile concentration therein is 10 mass% or more.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2012

(21) Application No.1242/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING SOFT SWITCH OF VIRTUAL SIM SERVICE CONTRACTS•

(51) International classification	:H04L 12/703, H04L 12/725	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America
(31) Priority Document No	:12/621,787	
(32) Priority Date	:19/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/057526 :19/11/2010	(72) <b>Name of Inventor :</b> <b>1)SRINIVASAN Prasanna</b> <b>2)SHI Guangming</b> <b>3)TANGIRALA Venkat</b> <b>4)SIU Ta-Yan</b> <b>5)DURAND Julian</b> <b>6)SPRIGG Stephen A.</b>
(87) International Publication No	:WO/2011/063303	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system and method for providing updated rules governing the switching of enabled provisioning data supporting a wireless service contract. A mobile device may be initially programmed with a profile data table and priority list index data table to automatically enable provisioning data supporting one of the plurality of service providers stored in a VSIM internal memory unit to conduct a wireless communication when certain operational parameter values are satisfied. The profile data table and priority list index data table may be automatically updated in response to a variety of triggers. The profile data table and priority list index data table may be stored remotely. Operational parameters regarding each call request are collected and transmitted to a remote service contract selection server. The selection of an optimal service provider account may be made remotely in the service contract selection server and transmitted back to the mobile device.

No. of Pages : 126 No. of Claims : 120

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1261/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : A COMPUTER AIDED BEAM FABRICATION MACHINE

(51) International classification	:B25B 1/20, B21D43/00	(71) <b>Name of Applicant :</b> <b>1)SMART STEEL SYSTEMS PTY LTD</b> Address of Applicant :c/- Agk Accountants Level 1 3972 Pacific Highway Loganholme QLD 4129 Australia
(31) Priority Document No	:2009905234	
(32) Priority Date	:27/10/2009	
(33) Name of priority country	:Australia	
(86) International Application No	:PCT/AU2010/001428	
Filing Date	:26/10/2010	
(87) International Publication No	:WO/2011/050404	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A beam working apparatus, includes opposed vice assemblies for holding and rotating a beam about a long axis thereof and a number of gantries that are arranged for translational motion along the beam. At least one tool head mount is provided fast with each of the gantries for a tool for working upon the beam. A number of motors are provided to selectively rotate the vice assemblies and move the gantries in order that the apparatus can be operated by a computerized control system.

No. of Pages : 23 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1262/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MODULATION OF HSP47 EXPRESSION

(51) International classification	:A61K 31/7088	(71)Name of Applicant :
(31) Priority Document No	:61/285,149 (US)	<b>1)NITTO DENKO CORPORATION</b>
(32) Priority Date	:09/12/2009	Address of Applicant :1-2 Shimohozumi 1-chome Ibaraki-shi Osaka 567-8680 Japan
(33) Name of priority country	:U.S.A.	<b>2)QUARK PHARMACEUTICALS INC.</b>
(86) International Application No	:PCT/US2010/059578	(72)Name of Inventor :
Filing Date	:08/12/2010	<b>1)JIN Xiaomei</b>
(87) International Publication No	:WO/2011/072082	<b>2)YU Lei</b>
(61) Patent of Addition to Application Number	:NA	<b>3)TAKAHASHI Hirokazu</b>
Filing Date	:NA	<b>4)TANAKA Yasunobu</b>
(62) Divisional to Application Number	:NA	<b>5)NIITSU Yoshiro</b>
Filing Date	:NA	<b>6)FEINSTEIN Elena</b>
		<b>7)AVKIN-NACHUM Sharon</b>
		<b>8)KALINSKI Hagar</b>
		<b>9)METT Igor</b>
		<b>10)ERLICH Shai</b>
		<b>11)SQUIERS Elizabeth C.</b>
		<b>12)CHEN Ning</b>

(57) Abstract :

Provided herein are compositions, methods and kits for modulating expression of target genes, particularly heat shock protein 47 (hsp47). The compositions, methods and kits may include nucleic acid molecules (for example, short interfering nucleic acid (siNA), short interfering RNA (siRNA), double-stranded RNA (dsRNA), micro-RNA (miRNA) or short hairpin RNA (shRNA)) that modulate a gene encoding hsp47, for example, the gene encoding human hsp47. The composition and methods disclosed herein may also be used in treating conditions and disorders associated with hsp47 such as liver fibrosis, pulmonary fibrosis, peritoneal fibrosis and kidney fibrosis.

No. of Pages : 274 No. of Claims : 174

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.1263/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CONCURRENT ACCESS TO A MEMORY POOL SHARED BETWEEN A BLOCK ACCESS DEVICE AND A GRAPH ACCESS DEVICE

(51) International classification	:G06F 13/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/255,002	<b>1)WEARABLE INC.</b>
(32) Priority Date	:26/10/2009	Address of Applicant :3825 Charles Drive Northbrook IL
(33) Name of priority country	:U.S.A.	60062 United States of America
(86) International Application No	:PCT/US2010/054172	(72) <b>Name of Inventor :</b>
Filing Date	:26/10/2010	<b>1)KLAPMAN Matthew H.</b>
(87) International Publication No	:WO/2011/056612	<b>2)MASTENBROOK Brian E.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A graph access device and block access device can simultaneously access a memory pool shared between the devices. The memory pool may include one or more memory arrays accessed as a single logical memory. The block access device accesses the memory pool as a flat array of memory blocks, and the graph access device accesses the memory pool as hierarchical file system. The simultaneous access is accomplished by monitoring one or more memory block access operations performed by the block access device, while it is accessing the memory pool. The block access operations are translated into a graph data structure including a plurality of pointers mapping the memory pool to the hierarchical file system. A processor regulates access to the memory pool, and is configured to permit the graph access device to access the memory pool concurrently with the block access device, in accordance with the graph data structure.

No. of Pages : 52 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.1264/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING RESIDUAL BLOCK, AND METHOD AND APPARATUS FOR DECODING RESIDUAL BLOCK•

(51) International classification	:H04N 7/32, H04N7/24	(71) <b>Name of Applicant :</b> <b>1)SAMSUNG ELECTRONICS CO. LTD.</b> Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 442-742 Republic of Korea
(31) Priority Document No	:10-2009-0102818	
(32) Priority Date	:28/10/2009	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/007486	<b>1)CHEON Min-Su</b>
Filing Date	:28/10/2010	<b>2)MIN Jung-Hye</b>
(87) International Publication No	:WO/2011/053020	<b>3)HAN Woo-Jin</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatuses for encoding and decoding a residual block are provided. The method of encoding the residual block includes: generating a prediction block of a current block; generating a residual block based on a difference between the prediction block and the current block; generating a transformation residual block by transforming the residual block to a frequency domain; splitting the transformation residual block into frequency band units; and encoding effective coefficient flags indicating frequency band units, of the frequency band units, in which nonzero effective transformation coefficients exist.

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2012

(21) Application No.1228/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE FOR WORK IMPLEMENTATION WITHOUT STOPPING FLOW, AND METHOD FOR WORK IMPLEMENTATION WITHOUT STOPPING FLOW

(51) International classification	:F16L 41/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-026328	<b>1)SUIKEN Co. Ltd.</b>
(32) Priority Date	:09/02/2010	Address of Applicant :206-7 Oaza-Kitawaki Hino-cho Gamo-Gun Shiga 5291663 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2011/051990	<b>1)Toshiyuki SATO</b>
Filing Date	:01/02/2011	<b>2)Taihei YOKOYAMA</b>
(87) International Publication No	:WO/2011/099398	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for work implementation without stopping flow is provided with a sealed case (20) having a bifurcation-like branch hole (23) which is formed in a first divided case (21) and extends in a radial direction (C) of an existing pipe (1), and a rubber gasket (30) which seals the gap between the sealed case (20) and the existing pipe (1). A flange (28) for mounting and removing a boring machine (3) is provided in the first divided case (21). The sealed case (20) is capable of reciprocating in the pipe axial direction (L). The rubber gasket (30) forms a first sealed region (S1) which surrounds that area of the sealed case (20) where the branch hole (23) is provided, thereby covering up the branch hole (23); and a second sealed region (S2) which is adjacent to the first sealed region (S1) and is sealed with respect to the first sealed region (S1), which is located away from the first sealed region (S1) in the pipe axial direction (L), and which has a size large enough to be capable of covering up a hole bored by a cutter (3a).

No. of Pages : 30 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.1292/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPROVED EDRAM ARCHITECTURE•

(51) International classification	:H01L 21/8242
(31) Priority Document No	:12/624,509
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057888
Filing Date	:23/11/2010
(87) International Publication No	:WO/2011/066322
(61) 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)KANG Wootag**

**2)WANG Zhongze**

(57) Abstract :

A process for manufacturing an eDRAM device (300) comprises fabricating semiconductor features (304 a-e) on a semiconductor substrate, the semiconductor substrate including a DRAM area (301) and logic area (302). The process also includes fabricating a first conductive layer (MI) in the DRAM area and in the logic area, the first conductive layer in communication with a first group of the semiconductor features. After fabricating the first conductive layer, a storage component (312,313) is fabricated in communication with a second group of the semiconductor features within the DRAM area.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.1293/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A VAGINAL DILATOR HAVING SIDE BLADES OR HAVING UPPER AND LOWER BLADES COMPRISING ACCESSORIAL BLADES

(51) International classification	:A61B1/32, A61B17/42 :201010227014.9 (CN)	(71) <b>Name of Applicant :</b> <b>1)SHANGHAI LINJING MEDICAL EQUIPMENT CO. LTD.</b> Address of Applicant :No. 37 Yujia Road Songjiang District Shanghai 201600 China
(31) Priority Document No	:14/07/2010	(72) <b>Name of Inventor :</b>
(32) Priority Date	:China	<b>1)LIN Jing</b>
(33) Name of priority country	:PCT/CN2011/076317	<b>2)ZHANG Xingxing</b>
(86) International Application No Filing Date	:24/06/2011 :WO/2012/006924	<b>3)WU Qianqian</b>
(87) International Publication No		
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vaginal dilator having a side blade or having upper and lower blades comprising accessorial blades includes an upper blade (1), a press handle (3), a lower blade (2) and a handle (4). The upper blade (1) is connected with the lower blade (2) by a pin (5). The press handle (3) is engaged with the handle (4) by a first dilating fixation device. The vaginal dilator having a side blade also includes a circular-arc movable locating sleeve (8) rotationally connected with the upper blade (1). Each end of the sleeve (8) is provided with a mounting bases (11). The mounting bases (11) is provides with a joint cavity for receiving a side blade (12) which can be retracted between the upper and lower blades (1,2). The back portion of the side blade (12) is provided with a second dilating fixation device engaged with the back end of the upper blade (1) or a locating buckle (15) of the mounting bases (11). A channel (18), a channel cover and a slot for inserting the channel cover are provided in the side blade (12). The vaginal dilator having upper and lower blades comprising accessorial blades also includes an upper accessorial blade (36) and a lower accessorial blade (37). The upper accessorial blade (36) and the lower accessorial blade (37) are arranged on the internal faces of the upper blade (1) and the lower blade (2) respectively. A channel (30) is provided within the upper and lower accessorial blades (36,37). The vaginal dilator having a side blade can be dilated and fixed in the up-down and left-right directions so as to provide a bigger field of vision. The vaginal dilator having a side blade or having upper and lower blades comprising accessorial blades has advantage of high smoke emission ability, facilitates assembling lighting equipment or a camera device etc, and simple in structure and easy to manufacture.

No. of Pages : 31 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1231/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SPARK IGNITION TYPE INTERNAL COMBUSTION ENGINE•

(51) International classification	:F02D 15/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2009/071921
Filing Date	:28/12/2009
(87) International Publication No	:WO/2011/080844
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1 Toyota-cho Toyota-shi Aichi 471-8571 Japan

(72)Name of Inventor :

1)Kohei Kodama

2)Daisuke Akihisa

(57) Abstract :

An internal combustion engine comprises a variable compression ratio mechanism (A) which can change the mechanical compression ratio, and a variable valve timing mechanism (B) which can control the timing of closing of an inlet valve (7). Actual compression ratio and ignition timing in a predetermined standard state after completion of engine warming are prestored, respectively, as the reference actual compression ratio and reference ignition timing. When the engine temperature is low or the intake air temperature is low, the actual compression ratio is increased above the reference actual compression ratio during high speed rotation of the engine, and the ignition timing is advanced ahead of the reference ignition timing during low speed rotation of the engine.

No. of Pages : 49 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1232/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR MANUFACTURING A 6-SUBSTITUTED-1-METHYL-1H-BENZIMIDAZOLE DERIVATIVE&NBSP; AND AN INTERMEDIATE OF SAID METHOD•

(51) International classification	:C07D 417/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-269078	<b>1)DAIICHI SANKYO COMPANY LIMITED</b>
(32) Priority Date	:26/11/2009	Address of Applicant :3-5-1 Nihonbashi Honcho Chuo-ku
(33) Name of priority country	:Japan	Tokyo 103-8426 Japan
(86) International Application No	:PCT/JP2010/071014	(72) <b>Name of Inventor :</b>
Filing Date	:25/11/2010	<b>1)IKEUCHI Yutaka</b>
(87) International Publication No	:WO/2011/065420	<b>2)SATOH Chiharu</b>
(61) Patent of Addition to Application Number	:NA	<b>3)NUMAGAMI Eiji</b>
Filing Date	:NA	<b>4)NIHEI Satoru</b>
(62) Divisional to Application Number	:NA	<b>5)KAJINO Hisaki</b>
Filing Date	:NA	

(57) Abstract :

Provided is a novel method for manufacturing a 6-substituted-1-methyl-1H-benzimidazole derivative. Also provided is a manufacturing intermediate from said method. The provided method, which manufactures a 6-substituted-1-methyl-1H-benzimidazole derivative represented by general formula (IV) (in which R3 represents a hydrogen atom or a C1-4 alkyl group), is characterized by: manufacturing a 4-substituted-N2-methylbenzene-1,2-diamine derivative from a specific 5-substituted-N-methyl-2-nitroaniline derivative; reacting same with {4-[(2,4-dioxo-1,3-thiazolidine-5-yl)methyl]phenoxy} acetate or an oxychloride or mixed acid anhydride thereof; and then performing intramolecular dehydration/condensation.

No. of Pages : 63 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1233/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SPARK IGNITION TYPE INTERNAL COMBUSTION ENGINE•

(51) International classification	:F02D 15/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2010/051544
Filing Date	:28/01/2010
(87) International Publication No	:WO/2011/092868
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TOYOTA JIDOSHA KABUSHIKI KAISHA**

Address of Applicant :1 Toyota-cho Toyota-shi Aichi 471-8571 Japan

(72)Name of Inventor :

**1)Takashi Kawasaki**

**2)Yukihiro Nakasaka**

**3)Yoshihiro Sakayanagi**

**4)Hiroyuki Tanaka**

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(57) Abstract :

The disclosed internal-combustion engine includes: a variable compression ratio mechanism (A) that can change the mechanical compression ratio; and a variable valve timing mechanism (B) that can control the timing to close an intake valve (7). When the required intake air volume changes: a target operation point is calculated for an operation point which represents a combination of the mechanical compression ratio and the intake valve closure timing, said target operation point being an operation point that can be reached in a predetermined amount of time without having to enter no-entry regions (X1, X2) while being changed from the present operation point to an operation point satisfying the required intake air volume; and the mechanical compression ratio and the intake valve closure timing are changed toward said target operation point.

No. of Pages : 86 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2012

(21) Application No.1299/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : INOCULATION PROCESS AND DEVICE

(51) International classification	:B22D 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/ES2009/070529
Filing Date	:25/11/2009
(87) International Publication No	:WO/2011/064415
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)FUNDACION INASMET**

Address of Applicant :Parque Tecnológico Mikeletegi  
Pasealekua 2 E-20009 San Sebastian Spain.

(72)Name of Inventor :

**1)COBOS JIMENEZ Luis**

**2)RODRÍGUEZ VZQUEZ Francisco**

**3)ONCALA AVILÉS Jose Luis**

**4)CARNICER ALFONSO Pedro**

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(57) Abstract :

The present invention describes a procedure for inoculating a nucleating additive into an alloy of molten iron in a casting distributor by means of the employment of a transferred arc plasma torch having an anode partially submerged in the alloy of molten iron and a cathode located on the surface of said alloy, the anode, or the cathode, or both, comprising graphite, preferably synthetic crystalline graphite, providing the alloy of iron with said nucleating additive. Furthermore the invention describes an inoculation device to realise the inoculation procedure.

No. of Pages : 23 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.1265/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THE METHOD AND SOLUTION OF DATA TRANSMISSION FROM THE TRANSPONDER TO THE READER, ESPECIALLY IN PAYMENT SOLUTIONS WITH A MOBILE COMMUNICATION DEVICE

(51) International classification	:H04B5/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PP50051-2009	<b>1)LOGOMOTION S.R.O.</b>
(32) Priority Date	:14/11/2009	Address of Applicant :Winterova 15 921 01 PieÅ;tany
(33) Name of priority country	:Slovakia	SLOVAK REPUBLIC Slovakia
(86) International Application No	:PCT/IB2010/054412	(72) <b>Name of Inventor :</b>
Filing Date	:30/09/2010	<b>1)FLOREK Miroslav</b>
(87) International Publication No	:WO/2011/058455	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The method and solution can be mainly used for data transmission in cashless payment applications, especially those realized from the mobile phone while using RFID and/or NFC platform. The signals with different frequency are combined in antenna system (M) of the receiver (1) and transmitter (2) and then the carrier signal is separated from the result of the combined signals and the transmitted data are demodulated. The difference between the frequencies has a value, that corresponds to the size of the subcarrier frequency to which the receiver (1) is preset. During transmission the transformer connection coefficient can have the value  $k = 0,2 - 0,001$ , while the antenna (3) of the receiver (2) is tuned narrowly to the transmitters (2) frequency without considering the subcarrier frequency. The transmitter is preferably located on a memory card or on a card with a format and interface of a memory card, e.g. micro SD.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.1266/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE FOR MEASURING PROPERTIES OF SCATTERERS, COLOR MEASURING DEVICE FOR SCATTERED LIGHT OF GEMSTONES, DEVICE FOR MEASURING BRIGHTNESS OF GEMSTONES, AND DEVICE FOR MEASURING LUMINESCENCE DISTRIBUTION

(51) International classification	:G01N 21/87
(31) Priority Document No	:2010-119349
(32) Priority Date	:25/05/2010
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2011/002513 :28/04/2011
(87) International Publication No	:WO/2011/148572
(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)NINOMIYA JEWELRY, CO., LTD.

Address of Applicant :3-20-4, JINGUMAE, SHIBUYA-KU  
TOKYO 1500001, Japan.

(72)Name of Inventor :

1)NINOMIYA HIROFUMI

2)KAWAGUCHI AKIO

(57) Abstract :

A device for measuring properties of scatterers which measures properties of a scatterer from a stereoscopic scattering distribution of the scatterer upon receiving an electromagnetic wave with a certain wavelength distribution is provided. In the device, a scatterer to be measured is placed on a specimen platform; the electromagnetic wave is irradiated onto the scatterer from at least either any one or more directions, or one or more continuous directions of a hypothetical spherical surface having the above-mentioned focal point as its center; scattering waves scattered by the scatterer and reflected off the paraboloidal mirror or projected onto the paraboloidal screen are imaged by the imaging means as planar imaging data; and from thus obtained imaging data, a stereoscopic distribution of the scattering waves generated by the scatterer is obtained so as to measure properties of the scatterer from the distribution result.

No. of Pages : 44 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1337/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ALDIMINE CLEANING COMPOSITION FOR REACTIVE POLYURETHANE COMPOSITIONS

(51) International classification	:C11D 3/37, C07C251/08, C11D1/40	(71) <b>Name of Applicant :</b> <b>1)SIKA TECHNOLOGY AG</b> Address of Applicant :Zugerstrasse 50 CH-6340 Baar Switzerland
(31) Priority Document No	:09177687.2 (EP)	(72) <b>Name of Inventor :</b>
(32) Priority Date	:02/12/2009	<b>1)JANKE Doreen</b>
(33) Name of priority country	:EPO	<b>2)PASCHKOWSKI Kai</b>
(86) International Application No Filing Date	:PCT/EP2010/068267 :26/11/2010	
(87) International Publication No	:WO/2011/067168	
(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 the use of an aldimine of formula (I) as a cleaning agent or as a component of a cleaning agent composition for reactive polyurethane compositions, in particular for reactive polyurethane hot-melt adhesives. It has been determined that the amount of waste can be greatly reduced by using such cleaning agents, and that in particular mixtures of blocked and non-blocked reactive polyurethane compositions can be used without trouble as adhesives, without the adhesives suffering negative effects in the properties thereof, in the particular the heat resistance thereof.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1338/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STRUCTURAL HEADLAMP ASSEMBLIES FOR VEHICULAR APPLICATIONS•

(51) International classification	:F21S 8/10
(31) Priority Document No	:61/283,307
(32) Priority Date	:02/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058792
Filing Date	:02/12/2010
(87) International Publication No	:WO/2011/069012
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	
(62) Divisional to Application Number	:NA :NA
Filing Date	

(71)Name of Applicant :

**1)MATERIALWERKS LLC**

Address of Applicant :1813 Manalee Lane Oxford MI 48371  
United States of America

(72)Name of Inventor :

**1)PICKHOLZ Michael F.**

(57) Abstract :

A vehicle headlamp assembly, comprising a lens, a lamp housing cooperating with the lens to at least partially define a lamp chamber that is generally fluidly isolated from an ambient atmosphere outside the lamp chamber, and at least one lamp provided in the lamp chamber. The lamp housing includes at least one structural member adapted to connect to and bear structural loads applied by one or more adjacent components of a vehicle in which the vehicle headlamp assembly is installed. The assembly may further comprise at least one vehicle component connected to the lamp housing, whereby the lamp housing is capable of bearing structural loads applied by the at least one component.

No. of Pages : 49 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2011

(21) Application No.1097/MUM/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : AN IMPROVED GEYSER WITH WATER MIXING CHAMBER

(51) International classification	:F24H 9/14, F24H 1/18	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SAMSUL EKRAM</b>
(33) Name of priority country	:NA	<b>2)MAYUR NADKARNI</b>
(86) International Application No	:NA	<b>3)QUTBUDDIN SIDDIQUE</b>
Filing Date	:NA	<b>4)JAI SHANKAR NIRODY</b>
(87) International Publication No	: NA	<b>5)ARVIND SAWARKAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved geyser with water mixing chamber, said geyser comprising: first portion of a storage chamber adapted to receive hot water by a hot inlet pipe and further adapted to receive cold water by a cold inlet pipe; second portion of a storage chamber adapted to receive said hot water and said cold water simultaneously, said second portion located operatively below said first portion; set of rotary blades fitted in said mixing chamber such that they are activated as water falls from said first portion through an aperture on to the blades placed in said second portion, wherein flow of water between said first portion of the storage chamber and said second portion of the storage chamber causes said rotary blades to rotate such that the rotary motion of the blades results in thorough mixing of the hot and cold water in said second portion; and outlet pipe located at said second portion adapted to allow outlet passage of mixed water according to user specification.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1268/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : OXYNTOMODULIN PEPTIDE ANALOGUE•

(51) International classification	:A61K 38/17, A61K 38/22	(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	:61/288,888	
(32) Priority Date	:22/12/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/060390	(72) <b>Name of Inventor :</b>
Filing Date	:15/12/2010	<b>1)Jorge ALSINA-FERNANDES</b>
(87) International Publication No	:WO/2011/087672	<b>2)Wayne David KOHN</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 an Oxyntomodulin peptide analogue useful in the treatment of diabetes and/or obesity.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.1269/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DNA VACCINE AGAINST THE VIRUS OF YELLOW FEVER

(51) International classification	:C12N15/40, C12N15/12	(71) <b>Name of Applicant :</b> <b>1)Fundação Oswaldo Cruz</b> Address of Applicant :Avenida Brasil 4365 Manguinhos 21045-900 Rio de Janeiro RJ Brasil
(31) Priority Document No	:PI 0905645-9	
(32) Priority Date	:27/10/2009	
(33) Name of priority country	:Brazil	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/BR2010/000352	<b>1)Ernesto Torres de Azevedo MARQUES</b>
Filing Date	:26/10/2010	<b>2)Rafael DHALIA</b>
(87) International Publication No	:WO/2011/050431	<b>3)Romulo MACIEL FILHO</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 vaccines of DNA that code for specific viral sequences. The DNA vaccines against yellow fever according to the invention are based on the sequence that codes for the yellow fever virus envelope protein (p/YFE). Besides the wild p/YFE construct, sequence E was also fused with the sequence that codes for the human lysosome-associated membrane protein (h-LAMP), generating the construct (pL/YFE). The results of the invention are considered to be very promising, since both constructs can induce T-cell response against the same epitopes induced by the 17DD vaccine, and the pL/YFE construct can also induce a satisfactory concentration of neutralising antibodies. The pL/YFE vector was inoculated in mice, before intracerebral challenge with the virus of yellow fever. Surprisingly, 100% of the mice immunised with pL/YFE survived the challenge.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1340/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COUPLING ARRANGEMENT PROVIDING AN AXIAL SPACE BETWEEN A PLUNGER AND PLUNGER ADAPTOR OF HIGH PRESSURE FLUID PUMP

(51) International classification	:F04B 53/14
(31) Priority Document No	:12/638,050 (US)
(32) Priority Date	:15/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057614
Filing Date	:22/11/2010
(87) International Publication No	:WO/2011/075287
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)GARDNER DENVER WATER JETTING SYSTEMS INC.**

Address of Applicant :12300 North Houston Rosslyn Road  
Houston TX 77086 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)Amos PACHT**

(57) Abstract :

A coupling for a pump connects a plunger to a plunger adaptor. The coupling provides a space between an end of the plunger and an end of the adaptor. Upon disconnecting the plunger from the adaptor, the space provides for removal of the plunger from and through a well of the pump.

No. of Pages : 41 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1341/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PIEZOELECTRIC AND/OR PYROELECTRIC COMPOSITE SOLID MATERIAL, METHOD FOR OBTAINING SAME AND USE OF SUCH A MATERIAL

(51) International classification	:H01L 41/18	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09.05995	<b>1)UNIVERSITE PAUL SABATIER TOULOUSE III</b>
(32) Priority Date	:11/12/2009	Address of Applicant :118 route de Narbonne F-31062 Toulouse Cedex 9 France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/052609	<b>1)CAPSAL Jean-Fabien</b>
Filing Date	:03/12/2010	<b>2)DAVID Charlotte</b>
(87) International Publication No	:WO/2011/070275	<b>3)DANTRAS Eric</b>
(61) Patent of Addition to Application Number	:NA	<b>4)LACABANNE Colette</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a piezoelectric and/or pyroelectric composite solid material, referred to as a hybrid material, including: a solid dielectric matrix (11), a filler of at least one inorganic piezoelectric and/or pyroelectric material, characterised in that said filler includes filiform nanoparticles (12) distributed throughout the volume of the solid dielectric matrix (11) with an amount by volume of less than 50%, and in that the main directions of elongation of the filiform nanoparticles (12) of the inorganic filler distributed in the dielectric matrix (11) have a substantially isotropic distribution in the solid dielectric matrix (11). The invention also relates to a method for manufacturing and using such a hybrid material for the production of structural parts and supported films deposited on the surface of such a substrate for the purpose of: detecting mechanical stress by direct piezoelectric effect; detecting temperature variations by direct pyroelectric effect; creating a mechanical wave by reverse piezoelectric effect in a flexible audio device, in a de-icing device or in a mechanical anti-fouling device; and manufacturing a soundproof material.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1277/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD, SYSTEM AND DEVICE FOR REALIZING LOCATION MEASUREMENT

(51) International classification	:G01S 5/00, G01S 5/08	(71) <b>Name of Applicant :</b> <b>1)CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY</b> Address of Applicant :NO.40 XUEYUAN ROAD, HAIDIAN DISTRICT, BEIJING 100191, P.R.China
(31) Priority Document No	:CN 200910235920.0	
(32) Priority Date	:29/10/2009	
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2010/001717	(72) <b>Name of Inventor :</b>
Filing Date	:28/10/2010	<b>1)ZHANG, DAJUN</b>
(87) International Publication No	:WO/2011/050580	<b>2)QUAN, HAIYANG</b>
(61) Patent of Addition to Application Number	:NA	<b>3)FANG, JIAYI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a method, system and device for realizing location measurement. The method includes the following steps in the location process of the Enhanced Cell Identify (E-CID) of the UE, the reporting format of the Time Advance (TA) is determined according to the obtained information which is about whether the User Equipment (UE) can support the measurement of the receiving-transmitting (Rx-Tx) time difference, and also according to the united information which is about whether the evolve Node B (eNB) can support the measurement of the Rx-Tx time difference of the eNB and the measurement of the Rx-Tx time difference of the UE (401), and after the eNB processes the E-CID location measurement, the location measurement result is returned by using the determined reporting format of the TA to the Evolved Serving Mobile Location Center (E-SMLC) (402). The present invention can solve the problem that the eNB can not determine which type of reporting format of TA is to be used for returning the location measurement result to the E-SMLC in the art.

No. of Pages : 43 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1278/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER WITH GUARANTEED STEADY STATE DEADLINES•

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/286,999
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059550
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/084332
(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)THOMSON Steven S.**

**2)RYCHLIK Bohuslav**

**3)IRANLI Ali**

**4)SALSBERRY Brian J.**

**5)SUR Sumit**

**6)GARGASH Norman S.**

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(57) Abstract :

A method of dynamically controlling a central processing unit is disclosed. The method may include determining when a CPU enters a steady state, calculating an optimal frequency for the CPU when the CPU enters a steady state, guaranteeing a steady state CPU utilization, and guaranteeing a steady state CPU utilization deadline.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1352/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MARKING BASED ON CHIRAL LIQUID CRYSTAL POLYMERS•

(51) International classification	:C09D11/00, C09D11/02	(71) <b>Name of Applicant :</b> <b>1)SICPA HOLDING SA</b> Address of Applicant :Avenue de Florissant 41 CH-1008 Prilly Switzerland
(31) Priority Document No	:61/267,673	
(32) Priority Date	:08/12/2009	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/056879	<b>1)TILLER Thomas</b>
Filing Date	:19/05/2010	<b>2)GREMAUD Frdric</b>
(87) International Publication No	:WO/2011/069691	<b>3)CALLEGARI Andrea</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A liquid crystal polymer marking is obtainable by a process that comprises applying a chiral liquid crystal precursor composition onto a substrate, heating the composition to a bring same to a chiral liquid crystal state, locally applying at least one modifying agent to modify the chiral liquid crystal state, and curing and/or polymerization the resultant product.

No. of Pages : 44 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1353/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MARKING BASED ON MODIFIED CHIRAL LIQUID CRYSTAL POLYMERS•

(51) International classification	:C09D11/00, C09D11/02	(71) <b>Name of Applicant :</b> <b>1)SICPA HOLDING SA</b> Address of Applicant :Avenue de Florissant 41 CH-1008 Prilly Switzerland
(31) Priority Document No	:61/267,662	(72) <b>Name of Inventor :</b>
(32) Priority Date	:08/12/2009	<b>1)TILLER Thomas</b>
(33) Name of priority country	:Switzerland	<b>2)GREMAUD Frdric</b>
(86) International Application No	:PCT/EP2010/056881	<b>3)CALLEGARI Andrea</b>
Filing Date	:19/05/2010	
(87) International Publication No	:WO/2011/069692	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A liquid crystal polymer marking is obtainable by a process that comprises applying a chiral liquid crystal precursor composition onto a substrate, heating the composition to a first chiral liquid crystal state, applying to at least one area of the precursor composition a chiral dopant composition, heating the at least one area to bring same to a second chiral liquid crystal state, and subsequently curing and/or polymerizing the resultant product.

No. of Pages : 44 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1354/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MODIFIED MARKING BASED ON CHIRAL LIQUID CRYSTAL POLYMERS•

(51) International classification	:C09D11/00, C09D11/02	(71) <b>Name of Applicant :</b> <b>1)SICPA HOLDING SA</b> Address of Applicant :Avenue de Florissant 41 CH-1008 Prilly Switzerland
(31) Priority Document No	:61/267,654	
(32) Priority Date	:08/12/2009	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/056874	<b>1)TILLER Thomas</b>
Filing Date	:19/05/2010	<b>2)GREMAUD Frdric</b>
(87) International Publication No	:WO/2011/069690	<b>3)CALLEGARI Andrea</b>
(61) Patent of Addition to Application Number	:NA	<b>4)ROZUMEK Olivier</b>
Filing Date	:NA	<b>5)KERKAR Brahim</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A liquid crystal polymer marking is obtainable by a process that comprises applying a chiral liquid crystal precursor composition onto a substrate, heating the composition to a chiral liquid crystal state, applying to at least one area of the precursor composition a modifying composition, if necessary, heating the at least one area to bring same to a modified liquid crystal state, and subsequently curing and/or polymerizing the resultant product.

No. of Pages : 51 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1284/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR DYNAMICALLY CONTROLLING A PLURALITY OF CORES IN A MULTICORE CENTRAL PROCESSING UNIT BASED ON TEMPERATURE•

(51) International classification	:G06F 1/20
(31) Priority Document No	:61/287,011
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059560
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/084335
(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)SUR Sumit**

**2)RYCHLIK Bohuslav**

**3)THOMSON Steven S.**

**4)IRANLI Ali**

**5)SALSBERRY Brian J.**

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(57) Abstract :

A method of controlling power within a multicore central processing unit (CPU) is disclosed. The method may include monitoring a die temperature, determining a degree of parallelism within a workload of the CPU, and powering one or more cores of the CPU up or down based on the degree of parallelism, the die temperature, or a combination thereof.

No. of Pages : 36 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1285/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IN-WHEEL MOTOR DRIVE ASSEMBLY

(51) International classification	:B60K 7/00,F16H 1/32	(71) <b>Name of Applicant :</b> <b>1)NTN CORPORATION</b> Address of Applicant :3-17 KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA 550-0003, Japan
(31) Priority Document No	:2009-269658	
(32) Priority Date	:27/11/2009	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP10/069169	<b>1)YAMAMOTO, KEN</b>
Filing Date	:28/10/2010	<b>2)SUZUKI, MINORU</b>
(87) International Publication No	:WO 2011/065179	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An in-wheel motor drive device (21) comprises a motor portion (A); a wheel hub bearing unit further comprising a tubular wheel hub (32), a cylindrical external wheel member (22c) that encases the external periphery of the wheel hub, and a wheel hub bearing (33) disposed within a ring-shaped space that is formed between the external peripheral surface of the wheel hub and the interior peripheral surface of the external wheel member and supports the free rotation of the wheel hub; and a deceleration portion unit (101), which is a deceleration mechanism, further comprising an output shaft (28) that extends in one direction and an input shaft (25) that extends in the other direction, wherein the deceleration portion unit (101) reduces the rpms of the input shaft and transmits the rpms thus reduced to the output shaft. The output shaft passes through and is anchored to the center of the wheel hub (32) and the input shaft passes through and is anchored to a motor rotation shaft (35).

No. of Pages : 44 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1356/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FREE PISTON ENGINE

(51) International classification	:F01B 11/00, F02B71/00	(71) <b>Name of Applicant :</b> <b>1)LIBERTINE FPE LTD</b> Address of Applicant :Link Hall Wheldrake Lane Crockley Hill York Yorkshire YO19 4SQ United Kingdom.
(31) Priority Document No	:0922539.2	(72) <b>Name of Inventor :</b>
(32) Priority Date	:24/12/2009	<b>1)COCKERILL Sam</b>
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/GB2010/052123	
Filing Date	:17/12/2010	
(87) International Publication No	:WO/2011/077119	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A free-piston engine comprising an engine cylinder and a single piston member comprising a double-ended piston configured to move within the cylinder, wherein the piston member partitions the cylinder into two separate chambers, each of which are supplied with a compressible working fluid from one or more intake means, the piston being arranged to move over and past the intake means during each stroke such that the fluid is replenished within one chamber while the piston compresses the fluid held in the other chamber.

No. of Pages : 52 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1357/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMBUSTION MANAGEMENT SYSTEM

(51) International classification	:F02B 71/06
(31) Priority Document No	:0922539.2
(32) Priority Date	:24/12/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/052199
Filing Date	:23/12/2010
(87) International Publication No	:WO/2011/077162
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)LIBERTINE FPE LTD.**

Address of Applicant :Link Hall Wheldrake Lane York  
Yorkshire YO19 4SQ United Kingdom.

(72)Name of Inventor :

**1)COCKERILL Sam**

(57) Abstract :

A combustion management system for a combustion engine having at least one cylinder with an intake means comprising a sliding port valve and an intake solenoid poppet valve arranged in series and provided at a distance from the cylinder ends, and an exhaust solenoid poppet valve provided at each of the cylinder ends, the system comprising: a valve control means for controlling the intake solenoid poppet valve and the exhaust solenoid poppet valve independently of the position of the piston moving within the cylinder to control the compression and expansion ratios, wherein the piston moves over and past the intake means during each stroke.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1359/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SET OF PANELS COMPRISING RETAINING PROFILES WITH A SEPARATE CLIP AND METHOD FOR INSERTING THE CLIP

(51) International classification	:E04F 15/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2010 004 717.1	<b>1)PERGO (EUROPE) AB</b> Address of Applicant :Strandridaregatan 8 23125 Trelleborg Sweden
(32) Priority Date	:15/01/2010	
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2010/007801	(72) <b>Name of Inventor :</b>
Filing Date	:20/12/2010	<b>1)ENGSTR-M Nils-Erik</b>
(87) International Publication No	:WO/2011/085788	
(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 set of panels, preferably of floor panels, consisting of a first panel and at least a second panel with, in each case, a top side and an underside, wherein the first panel comprises at an edge a first retaining profile with a hook directed towards the top side, the second panel comprises at an edge a second retaining profile with a hook directed towards the underside, the first retaining profile and the second retaining profile can be connected by a relative movement directed perpendicular to a plane of laying, and wherein a separate clip is provided, which comprises a clip head, a clip body and a clip base. Moreover, the invention relates to a method for inserting the clip into a retaining profile.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1223/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : VIRTUAL PERIPHERAL HUB DEVICE AND SYSTEM•

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(51) International classification	:G06F 9/445
(31) Priority Document No	:61/262,653
(32) Priority Date	:19/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057522
Filing Date	:19/11/2010
(87) International Publication No	:WO/2011/063300
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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1)SPRIGG Stephen A.

2)ZIV Noam A.

3)LAUER Craig B.

4)PATHIKONDA Kedarnath

5)GARDNER III Richard W.

---

(57) Abstract :

Methods and devices provide a virtual peripheral hub and services enabling remote access to peripherals commonly connected to personal computers in a manner that simplifies device networking. A virtual peripheral hub device may include a processor and wireless communication transceivers configured to connect to cellular and/or WiFi networks to access a remote server, and wired and/or wireless local networks for connecting to peripheral devices. The virtual peripheral hub device may plug into a power source (e.g., a wall socket or cigarette lighter), connect to a peripheral device, and be configured to enable any computer attached to a local area network or the Internet to use or access the peripheral device. An associated server-based service enables discovery of the virtual peripheral hub device and connected peripherals. The associated server-based server may provide the drivers for various peripherals, store and forward data, and provide remote access to the various peripherals.

No. of Pages : 115 No. of Claims : 119

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1224/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO AND METHOD AND APPARATUS FOR DECODING VIDEO, BASED ON HIERARCHICAL STRUCTURE OF CODING UNIT•

(51) International classification	:H04N 7/24
(31) Priority Document No	:10-2009-0101191
(32) Priority Date	:23/10/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/007257
Filing Date	:22/10/2010
(87) International Publication No	:WO/2011/049396
(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)HAN Woo-Jin**

**2)MIN Jung-Hye**

**3)KIM Il-Koo**

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(57) Abstract :

A method for encoding video data includes: splitting a current picture into at least one maximum coding unit; determining a coded depth to output an encoding result by encoding at least one split region of the at least one maximum coding unit according to operating mode of coding tool, respectively, based on a relationship among a depth of at least one coding unit of the at least one maximum coding unit, a coding tool, and an operating mode; and outputting a bitstream including encoded video data of the coded depth, information regarding a coded depth of at least one maximum coding unit, information regarding an encoding mode, and information regarding the relationship.

No. of Pages : 66 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1362/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : USE OF BENZO-HETEROCYCLE DERIVATIVES FOR PREVENTING AND TREATING CANCER OR FOR INHIBITING CANCER METASTASIS•

(51) International classification

:A61K 31/4184

(31) Priority Document No

:10-2009-0106350

(32) Priority Date

:05/11/2009

(33) Name of priority country

:Republic of Korea

(86) International Application No

:PCT/KR2010/007806

Filing Date

:05/11/2010

(87) International Publication No

:WO/2011/056021

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Seoul 151-742 Republic of Korea

**2)YUHAN CORPORATION**

(72)Name of Inventor :

**1)KIM Sunghoon**

**2)CHOI Jin Woo**

**3)LEE Jin Young**

**4)KIM Dae Gyu**

**5)HAN Gyoон Hee**

**6)YANG Jee Sun**

**7)LEE Chul Ho**

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(57) Abstract :

The present invention relates to a novel use of benzo-heterocycle derivatives, and more particularly, to a composition for preventing and treating cancer, comprising benzo-heterocycle derivatives or pharmaceutically acceptable salts thereof as active ingredients. The inventors of the present invention have found that KRS interacts with 67LR to promote the migration of cancer (or tumor) cells and thus affects the metastasis of cancer, and also have identified that the substance which inhibits the interaction between the KRS and 67LR suppresses the metastasis of cancer cells, and thus can be used for preventing and treating cancer. Accordingly, the composition of the present invention suppresses the metastasis of cancer, and therefore provides a novel means for preventing and treating cancer.

No. of Pages : 101 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1363/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ADDITIVE FOR MINERAL BINDING AGENTS HAVING REDUCED BROWN DISCOLORATION POTENTIAL

(51) International classification	:C04B 40/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09178250.8	<b>1)SIKA TECHNOLOGY AG</b>
(32) Priority Date	:08/12/2009	Address of Applicant :Zugerstrasse 50 CH-6340 Baar Switzerland
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/068870	<b>1)HONERT Dieter</b>
Filing Date	:03/12/2010	<b>2)HELLER Thomas</b>
(87) International Publication No	:WO/2011/069919	
(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 additive composition comprising a grinding aid selected from the group made of glycols, monocarboxylic acids having 1 to 4 carbon atoms, and comb polymers, and at least one retarding agent that can be used in the grinding process for cement clinkers and that leads to low brown discoloration of the ground cement in the processed state.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2012

(21) Application No.1229/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NAVIGATION SYSTEM•

(51) International classification	:G01C 21/32
(31) Priority Document No	:2010-035320
(32) Priority Date	:19/02/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/050609
Filing Date	:07/01/2011
(87) International Publication No	:WO/2011/102163
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)AISIN AW CO. LTD.**

Address of Applicant :10 Takane Fujii-cho Anjo-shi Aichi-ken 444-1192 Japan

(72)**Name of Inventor :**

**1)MASUDA Hiroyoshi**

**2)TAKEUCHI Kensuke**

**3)FUJIKAWA Norihisa**

**4)IWATSUKI Koichi**

**5)TANABE Yoshihiro**

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(57) Abstract :

At the first data access by a navigation unit to a recording medium that records updating right information necessary for updating map data in a rewritable data area in which map data are recorded, the updating right information is read from the data area and is deleted from the data area, and a map updating due date created based on the read updating right information is written in a memory of the navigation unit together with the medium identification information read from a non-rewritable management area.

No. of Pages : 34 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2012

(21) Application No.1230/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RUGS WITH A MAT PORTION

(51) International classification	:A47G 27/02
(31) Priority Document No	:61/252,859
(32) Priority Date	:19/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/040821
Filing Date	:01/07/2010
(87) International Publication No	:WO/2011/049649
(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)PRODUCT BLISS LLC**

Address of Applicant :832 Coastal Beach Road Henderson Nevada 89002 U.S.A.

(72)Name of Inventor :

**1)BELL Jeneva**

**2)PRINSLOO Sarah**

(57) Abstract :

A rug is configured from a cover attached to an underlying, non-slip, non-absorbent mat by an interlocking mechanical connection. The interlocking mechanical connection is formed in a first embodiment by VELCRO in a second embodiment by a layer of grit material on the mat, and in a third embodiment by a resinous material which has projections that interlock with the bottom surface of the cover. When it is desired to separate the cover from the pad, the cover is simply pulled and stripped away from the pad so that the cover may be washed in a washing machine and the pad may also be manually washed or otherwise cleaned. If desired, the cover may be replaced with covers of different designs or textures.

No. of Pages : 32 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2012

(21) Application No.1295/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ADJUSTABLE INTRAOCULAR LENS

(51) International classification	:A61F 2/16
(31) Priority Document No	:2003881
(32) Priority Date	:30/11/2009
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2010/050803
Filing Date	:30/11/2010
(87) International Publication No	:WO/2011/065833
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	
(62) Divisional to Application Number	:NA
Filing Date	

(71)Name of Applicant :

**1)AKKOLENS INTERNATIONAL B.V.**

Address of Applicant :Overaseweg 9 NL-4836 BA Breda Netherlands.

(72)Name of Inventor :

**1)SIMONOV Aleksey Nikolaevich**

**2)ROMBACH Michiel Christiaan**

(57) Abstract :

An adjustable intraocular lens is disclosed comprising at least one optical element (1,2) and at least one haptic. Rotation of the lens in a plane perpendicular to the optical axis (7,8) and bounded by an oval boundary adjusts the lens diameter which provides a corresponding adjustment of optical power. Preferably the lens according to the invention is adapted to be manipulated by manipulation means outside the eye, for example, surgical means. Adjustment of the angular position of the intraocular lens results in a corresponding adjustment of the lens diameter which, in turn, leads to a corresponding adjustment of the optical power of the lens.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2012

(21) Application No.1297/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND DEVICE FOR PURIFYING EXHAUST GASES

(51) International classification	:B01D 53/00
(31) Priority Document No	:10 2009 055 942.6
(32) Priority Date	:26/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/006977
Filing Date	:16/11/2010
(87) International Publication No	:WO/2011/063905
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)CHEMISCH THERMISCHE PROZESSTECHNIK GMBH**

Address of Applicant :Schmiedlstr. 10 A-8042 Graz Austria.

(72)Name of Inventor :

**1)SCHEDLER Johannes**

**2)THALHAMMER Heimo**

**3)PHILIPP Gerhard**

(57) Abstract :

To clean offgas which comprises hydrocarbon compounds and nitrogen oxides, especially offgas obtained in cement clinker production, a regenerative thermal postcombustion plant (24) is used, with which the carbon compound is oxidized and the nitrogen oxides are thermally reduced to supply a nitrogen-hydrogen compound at a temperature of more than 800°C in the multistage combustion chamber (35).

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1368/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BEVERAGE DISPENSING DEVICE•

(51) International classification	:A47J31/40, A47J31/06	(71) <b>Name of Applicant :</b> <b>1)PEPSICO INC.</b> Address of Applicant :700 Anderson Hill Road Purchase New York 10577 United States of America
(31) Priority Document No	:12/625,226	(72) <b>Name of Inventor :</b>
(32) Priority Date	:24/11/2009	<b>1)DEO Indrani</b>
(33) Name of priority country	:U.S.A.	<b>2)JERSEY Steven</b>
(86) International Application No	:PCT/US2010/058072	
Filing Date	:24/11/2010	
(87) International Publication No	:WO/2011/066438	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems and methods for dispensing beverages are provided. Aspects relate to obtaining measurements regarding dispensing an ingredient (including the dispensing conditions of the ingredient) and determining whether to adjust dispensing conditions of at least one other ingredient. In one embodiment, at least one ingredient of a recipe is not dispensed based upon a dispensing measurement. The adjustment of one or more ingredients may comprise the use of adjustable orifices, which do not require separate measurements of ingredients before dispensing, but rather may measure ingredients parameters (including dispensing conditions) as they are dispensed. Certain embodiments relate to devices and methods that may determine if an ingredient is a non- Newtonian fluid, and if so, may be configured to conduct measurements on such fluids, including, for example, the strain stress and strain rate as the fluid passes within a conduit.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1236/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ADAPTIVE CQI SUB BAND•

(51) International classification	:H04L 25/00, H04L 1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :SE-164 83 Stockholm Sweden.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/SE2010/050071	1)ASPLUND Henrik
Filing Date	:27/01/2010	2)-KVIST Peter
(87) International Publication No	:WO/2011/093753	3)SIMONSSON Arne
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present solution relates to a method in a first communication node (201 ) for determining an indication of channel quality of a radio channel (205) between the first communication node (201) and a second communication node (203). The first communication node (201) and the second communication node (203) are comprised in a wireless communication network (200). The radio channel (205) comprises a plurality of sub bands. First, at least two channel quality reports are obtained (701) for different time instances. Each channel quality report comprises indications of channel quality of at least two of the plurality of sub bands. Then a channel quality deviation is estimated (702) for at least one of the plurality of sub bands. Further, an indication of a channel quality is determined (703) for at least one of the plurality of sub bands based on the estimated channel quality deviation.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1237/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : VAPOR RECOVERY PUMP REGULATION OF PRESSURE TO MAINTAIN AIR TO LIQUID

(51) International classification	:B65B 31/00
(31) Priority Document No	:61/252,822
(32) Priority Date	:19/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053131
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/049910
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SWASHPUMP TECHNOLOGIES LIMITED**

Address of Applicant :115, CUSTOM ST., WEST, SIMU  
HOUSE, AUCKLAND, NEW ZEALAND

(72)Name of Inventor :

**1)BOLT, DAVID**

**2)SPENCE, DALE**

**3)EWING, DALE**

**4)DALZIEL, LINDSAY, BRUCE.**

**5)HASSELL, DAVID JONATHAN**

**6)LAYNE, JOHN**

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(57) Abstract :

A method of operating a vapor recovery system that recovers vapors expelled from a vehicle during refueling at a fuel dispensing point and returns the vapors to an underground storage tank through a vapor flow path that is in fluid communication with an air to liquid regulator valve and a vapor pump. The method includes dispensing fuel into the vehicle through the fuel dispensing point, regulating an amount of vapor that is recovered through the fuel dispensing point with the air to liquid regulator valve in proportion to the fuel dispensed into the vehicle, detecting a parameter of the vapor recovery system, and maintaining a substantially constant pressure level in a first portion of the vapor return path that is disposed between the vapor pump and the air to liquid regulator valve.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1372/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FORMULATIONS, SALTS AND POLYMORPHS OF TRANSNORSERTRALINE AND USES THEREOF

(51) International classification	:A61K 31/135
(31) Priority Document No	:61/266,864
(32) Priority Date	:04/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/058831 :03/12/2010
(87) International Publication No	:WO/2011/069032
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SUNOVION PHARMACEUTICALS INC.**

Address of Applicant :84 Waterford Drive Marlborough MA  
01752 United States of America

(72)**Name of Inventor :**

**1)LAUGHLIN Sharon M.**

**2)SIZENSKY Michael J.**

**3)SINGH Surendra P.**

**4)WILKINSON Scott H.**

**5)HUANG Cai Gu**

**6)BONASIA Philip James**

**7)DSOUZA Susan S.**

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(57) Abstract :

Provided herein are pharmaceutical compositions comprising transnorsertraline, salts and polymorphic forms of transnorsertraline, methods of making the compositions, and methods for their use for the treatment of CNS diseases, including depression.

No. of Pages : 113 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1373/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTICYCLIC COMPOUNDS AND METHODS OF USE THEREOF

(51) International classification	:C07D 495/04
(31) Priority Document No	:61/266,880
(32) Priority Date	:04/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058884
Filing Date	:03/12/2010
(87) International Publication No	:WO/2011/069063
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SUNOVION PHARMACEUTICALS INC.**

Address of Applicant :84 Waterford Drive Marlborough MA 01752 United States of America

**2)PSYCHOGENICS INC.**

(72)Name of Inventor :

**1)SHAO Liming**

**2)CAMPBELL John Emmerson**

**3)HEWITT Michael Charles**

**4)CAMPBELL Una**

**5)HANANIA Taleen G.**

(57) Abstract :

Provided herein are multicyclic compounds, methods of their synthesis, pharmaceutical compositions comprising the compounds, and methods of their use. The compounds provided herein are useful for the treatment, prevention, and/or management of various neurological disorders, including but not limited to, psychosis and schizophrenia.

No. of Pages : 221 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1374/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NAL POLYORGANOSILOXANES, AND METHODS FOR THEIR USE

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(51) International classification :C07F 7/08  
(31) Priority Document No :61/259,282  
(32) Priority Date :09/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055232  
    Filing Date :03/11/2010  
(87) International Publication No :WO/2011/056832  
(61) 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 CORNING CORPORATION**

Address of Applicant :2200 West Salzburg Road Midland MI 48686-0994 U.S.A.

(72)**Name of Inventor :**

**1)DENT Stanton**

**2)SU Kai**

**3)TONGE Lauren**

**4)TONGE James**

---

(57) Abstract :

A hydrosilylation process is used to prepare a polyorganosiloxane having clustered functional groups at the polyorganosiloxane chain terminals. The ingredients used in the process include a) a polyorganosiloxane having an average of at least 2 aliphatically unsaturated organic groups per molecule, b) a polyorganohydrogensiloxane having an average of 4 to 15 silicon atoms per molecule and at least 4 silicon bonded hydrogen atoms for each aliphatically unsaturated organic group in ingredient a), c) a reactive species having, per molecule at least 1 aliphatically unsaturated organic group and 1 or more curable groups; and d) a hydrosilylation catalyst. The resulting clustered functional polyorganosiloxane is useful in a curable silicone composition for electronics applications.

No. of Pages : 84 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.1316/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DYNAMIC LOW POWER MODE IMPLEMENTATION FOR COMPUTING DEVICES•

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/294,055
(32) Priority Date	:11/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/020710
Filing Date	:10/01/2011
(87) International Publication No	:WO/2011/085330
(61) 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)GARGASH Norman S.**

**2)FRANTZ Andrew J.**

**3)SALSBERRY Brian J.**

**4)BARRETT Christopher A.**

---

(57) Abstract :

The aspects enable a computing device or microprocessor to determine a low power mode that provides the most system power savings by placing selected resources in a low power mode while continuing to function reliably, depending upon the resources not in use, acceptable system latencies, dynamic operating conditions (e.g., temperature), expected idle time, and the unique electrical characteristics of the particular device. Aspects provide a mechanism for determining an optimal low power configuration made up of a set of low power modes for the various resources within the computing device by determining which low power modes are valid at the time the processor enters an idle state, ranking the valid low power modes by expected power savings given the current device conditions, determining which valid low power mode provides the greatest power savings while meeting the latency requirements, and selecting a particular low power mode for each resource to enter.

No. of Pages : 82 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.1317/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER IN A VIRTUALIZED SYSTEM•

(51) International classification	:G06F 1/32	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/286,960	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:16/12/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/059538	United States of America
Filing Date	:08/12/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/084329	<b>1)RYCHLIK Bohuslav</b>
(61) Patent of Addition to Application Number	:NA	<b>2)IRANLI Ali</b>
Filing Date	:NA	<b>3)SALSBERY Brian J.</b>
(62) Divisional to Application Number	:NA	<b>4)SUR Sumit</b>
Filing Date	:NA	<b>5)THOMSON Steven S.</b>

(57) Abstract :

A method of dynamically controlling power within a multicore central processing unit is disclosed and includes executing a plurality of virtual cores, virtually executing one or more tasks, one or more threads, or a combination thereof at the virtual cores, and physically executing one or more tasks, one or more threads, or a combination thereof at a zeroth physical core. The method may further include receiving a degree of parallelism in a workload of a plurality of virtual cores and determining whether the degree of parallelism in the workload of the virtual cores is equal to a first wake condition.

No. of Pages : 49 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.1389/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CUTTING BLADE CLUTCH FOR MOWER

(51) International classification	:A01D 34/64
(31) Priority Document No	:2009-286308
(32) Priority Date	:17/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/069457
Filing Date	:02/11/2010
(87) International Publication No	:WO/2011/074337
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CHIKUSUI CANYCOM CO. LTD.

Address of Applicant :90-1 Fukumasu Yoshiimachi Ukiha-shi  
Fukuoka 8391396 Japan

(72)Name of Inventor :

1)GONDOU Yukihiko

2)IKEDA Katuhisa

(57) Abstract :

A cutting blade clutch for a riding mower, configured in such a manner that the clutch lever for the mowing device is disposed directly under the steering wheel of the operators seat of the mower to enable the power of the mowing device to be immediately shut off in an emergency. A riding mower is provided with a clutch lever (12) for the cutting blade, the clutch lever (12) being disposed directly under the steering wheel (7) of the operators seat. The power is connected by lifting up the clutch lever (12) and is shut off by lowering the clutch lever (12). The clutch lever (12) is a U-shaped lever mounted under the steering wheel (7) so as to be pivotable in the vertical direction, and is configured so that, when the power is in a shutoff state, the clutch lever (12) is suspended vertically under the steering wheel (7) and, when the power is in a connected state, the front end of the U-shaped lever is located near the circular steering wheel (7) at a position directly under the operators seat-side outer edge thereof.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.1390/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS FOR AFFINITY MATURATION-BASED ANTIBODY OPTIMIZATION

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(51) International classification	:C07K 16/00
(31) Priority Document No	:61/280,618
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055489
Filing Date	:04/11/2010
(87) International Publication No	:WO/2011/056997
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

1)FABRUS LLC

Address of Applicant :10777 Science Center Drive San Diego  
CA 92121 United States of America

(72)Name of Inventor :

1)SMIDER Vaughn

2)MAO Helen Hongyuan

(57) Abstract :

Provided herein is a rational method of affinity maturation to evolve the activity of an antibody or portion thereof based on the structure/affinity or activity relationship of an antibody. The resulting affinity matured antibodies exhibit improved or optimized binding affinity for a target antigen.

No. of Pages : 300 No. of Claims : 97

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2011

(21) Application No.1091/MUM/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : FULLY WRAPPED COMPOSITE GAS CYLINDERS WITH MODIFIED METALLIC BOSS

(51) International classification	:F17C 1/00, F17C 1/10	(71) <b>Name of Applicant :</b> <b>1)GENEX SCIENCE &amp; TECHNOLOGIES PVT.LTD.</b> Address of Applicant :604, VISHWANANAK, ICK LINK ROAD, ANDERI (EAST), MUMBAI - 4000072 MAHARASHTRA INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MR. NAVEEN KUMAR JAIN</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to metallic boss for fully wrapped composite pressure cylinders with non-metallic liners intended to use for compressed liquefied and dissolved gases. The fully wrapped composite pressure cylinders with metallic boss are capable of adapting various type of filling/discharge brass valves without modification in the construction. The devised metallic boss wherein joints between metal and plastics are protected by rubber seals and filled in gas does not reach to that area. The fully wrapped composite pressure cylinders can be held by the metallic boss hexagonal head without damaging or deforming the cylinder for fixing or removal of the brass valve. The fully wrapped composite pressure cylinder is provided with some additional sealing parts in the boss center which can be serviced or changed in case of any leakages in extreme temperature cycles. The fully wrapped composite cylinders are provided with built in discharge tubes for horizontal composite pressure cylinder applications and standard brass valves.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1257/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTRONIC BALLAST CIRCUIT FOR LAMPS

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(51) International classification	:H05B 37/02
(31) Priority Document No	:61/257,194
(32) Priority Date	:02/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055189
Filing Date	:02/11/2010
(87) International Publication No	:WO/2011/054013
(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)GENESYS SYSTEMS, LLC**

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NORTH CAROLINA 28805, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)MCNAY, STEVE**

(57) Abstract :

An electronic ballast circuit includes a power factor correction circuit, a control and amplifier circuit, a ballast controller circuit and a ballast driver circuit. The ballast driver circuit includes a resonant circuit that connects to a lamp and a strike voltage limiter circuit that regulates the behavior of the resonant circuit. An overcurrent sensor circuit may be included to indirectly control the ballast controller circuit via the control and amplifier circuit. The strike voltage limiter circuit uses varistors to change the resonant frequency of the resonant circuit to limit the voltage to the lamp.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2012

(21) Application No.1322/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MACHINE FOR THE ELECTRICAL AND GRAPHIC CUSTOMISATION OF PORTABLE ELECTRONIC OBJECTS

(51) International classification	:G06K 19/077	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09/05827	<b>1)ORMEROD, SIMON</b>
(32) Priority Date	:03/12/2009	Address of Applicant :813, AVENUE DES GRAVIERES, F-13600 LA CIOTAT, France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/052590	<b>1)MONGIN, HERVE</b>
Filing Date	:01/12/2010	
(87) International Publication No	:WO/2011/067537	
(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 machine for the electrical and graphic customisation of portable electronic objects, comprising: a loading station; a plurality of treatment stations including at least one laser- or inkjet-marking station and/or an inspection station and/or a label application station; a rejection station; and a customised-object-unloading station. The invention is characterised in that a transfer device comprises a plurality of mobile components, arranged along a closed-loop path, each mobile component being moved along the path and being solidly connected to an encoding head linked to a programming card that is moved by the mobile component. The encoding head is moved successively along the path from a loading station to at least one treatment station, simultaneously performing the electronic customisation of the component, and then either to the outlet or to a rejection station.

No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1394/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS AND METHOD OF ADAPTIVE QUESTIONING AND RECOMMENDING•

(51) International classification	:G06F 17/30
(31) Priority Document No	:61/262,748
(32) Priority Date	:19/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057511
Filing Date	:19/11/2010
(87) International Publication No	:WO/2011/063289
(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)WHALE Peter**

**2)STATLER Stephen**

**3)ODONOGHUE Hugh**

**4)DEMANGEAT Isobel**

**5)PEGUM Andrew**

**6)CORRIGAN Sean**

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(57) Abstract :

By adaptive questioning in a way that is entertaining, recommendations can be presented to a subscriber even with a limited amount of user profile information. Moreover, the questioning can allow a subscriber to learn something about himself. Each interaction can be short as well as light hearted and fun in order to accommodate intermittent usage with frequent interruptions. Intermixing questions / recommendation selections that are focused on gaining profile information as well as being somewhat random can unexpectedly learn something about the subscriber while keeping the user experience entertaining. Personal details can be avoided and tools for editing stored personal information can enhance a sense of privacy in order to induce trust. Questions and other responses can lead to other questions in a manner that allows characterizing a subscriber so that recommended offerings can be selected that are appropriate.

No. of Pages : 89 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1142/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CORE-SHELL NANOPHOSPHORS FOR RADIATION STORAGE AND METHODS•

(51) International classification	:C09K 11/00
(31) Priority Document No	:2009905433
(32) Priority Date	:06/11/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/001476
Filing Date	:05/11/2010
(87) International Publication No	:WO/2011/054050
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)DOSIMETRY & IMAGING PTY LTD.**

Address of Applicant :PO Box 620 Roseville New South Wales 2069 Australia

(72)Name of Inventor :

**1)RISEN HANS**

**2)MASSIL TRACY**

**3)LIU ZHIQIANG**

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(57) Abstract :

This invention relates to a method for producing a core-shell nanophosphor for use in radiation storage comprising: a) preparing a nanoscale metal halide core; b) coating the nanoscale metal halide core with at least one shell which is activated by a rare earth metal; and c) forming a core-shell nanophosphor. This invention also relates to a core-shell nanophosphor comprising a substrate core and at least one shell that is sensitive to ionizing radiation, neutrons, electrons or UV radiation. This invention also relates to a radiation image storage panel, a radiation monitoring apparatus and a use of the core-shell nanophosphor according to this invention.

No. of Pages : 31 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1260/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : STREAMING TECHNIQUES FOR VIDEO DISPLAY SYSTEMS•

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(51) International classification :G06F 3/14  
(31) Priority Document No :61/286,287  
(32) Priority Date :14/12/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/060249  
    Filing Date :14/12/2010  
(87) International Publication No :WO/2011/075468  
(61) 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)RAJAMANI Krishnan**

**2)WANG Xiaodong**

**3)SHAUKAT Fawad**

---

(57) Abstract :

This disclosure describes techniques that can improve the generation of a decomposed multi-stream (DMS) by a host device of a video display system and the display of a DMS by a client device of the video display system. The techniques may apply different frame rates to different streams within a DMS, and the frame rates may depend on the content. For example, one stream within a DMS may comprise a sequence of full-motion video information, which may be rendered at a relatively high frame rate. However, another stream within the DMS may be associated with a background of the display, various graphic user interface control windows or elements, or a display window that includes non-video content (such as e-mail or a document). The second stream in the DMS may be rendered at a much slower frame rate than that used for the sequence of full-motion video information.

No. of Pages : 45 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1400/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR USING A DISTRIBUTED MESSAGE BUS FOR AD HOC PEER-TO-PEER CONNECTIVITY•

(51) International classification	:H04L 12/40	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/286,585	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:15/12/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/056035	United States of America
Filing Date	:09/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/075238	<b>1)GREGORY BURNS.</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PROFIT Jack H.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and apparatus for using an ad hoc peer-to-peer distributed message bus is provided. The method may include determining, by a local bus node, using a first power level communication protocol, that a remote bus node is available, obtaining, by the local bus node, connection information from the remote bus node using a second power level communication protocol, wherein the connection information comprises connection information for one or more remote endpoints associated with the remote bus node, and generating one or more local virtual endpoints, wherein each of the one or more local virtual endpoints corresponds to each of the one or more remote endpoints, and wherein the remote endpoint is described with reference to a well-known name, unique to the remote endpoint.

No. of Pages : 37 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1401/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : UNIVERSAL DOMED CLOSURE TO SUPPLY DOSE

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(51) International classification	:B65D 51/28
(31) Priority Document No	:61/258,319
(32) Priority Date	:05/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055690
Filing Date	:05/11/2010
(87) International Publication No	:WO/2011/057111
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

---

(71)Name of Applicant :

**1)LIQUID HEALTH LABS INC.**

Address of Applicant :65 Raymond Road Deerfield NH  
03037 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)HOPKINS Derek D.**

**2)MILLIGAN Kenneth E.**

**3)ROHR Robert D.**

**4)LAVEAULT Richard A.**

(57) Abstract :

The present invention relates to a universal closure capable of fitting various sized container openings in sealed engagement. The present invention also relates a universal dispensing closure capable of fitting various sized container openings in sealed engagement and used to house a secondary supply or dose of product and when the closure is activated dispense the secondary product or dose into a receiving vessel to which it is attached.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.1330/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGE BY USING ROTATIONAL TRANSFORM•

(51) International classification	:H04N 7/30	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-2009-0102718	<b>1)SAMSUNG ELECTRONICS CO. LTD.</b>
(32) Priority Date	:28/10/2009	Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 442-742 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2010/007487	<b>1)ALSHINA Elena</b> <b>2)ALSHIN Alexander</b> <b>3)SEREGIN Vadim</b>
Filing Date	:28/10/2010	
(87) International Publication No	:WO/2011/053021	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An image encoding method includes generating a first frequency coefficient matrix by transforming a predetermined block to a frequency domain; determining whether the first frequency coefficient matrix includes coefficients whose absolute values are greater than a predetermined value; generating a second frequency coefficient matrix by selectively partially switching at least one of rows and columns of the first frequency coefficient matrix according to an angle parameter based on a determination result; and selectively encoding the second frequency coefficient matrix based on the determination result.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1332/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NEW PROCESS FOR THE PREPARATION OF TAPENTADOL AND INTERMEDIATES THEREOF

(51) International classification :C07C 215/46  
(31) Priority Document No :MI2009A002110  
(32) Priority Date :01/12/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB10/055499  
    Filing Date :30/11/2010  
(87) International Publication No :WO 2011/067714  
(61) Patent of Addition to Application Number :NA  
    Filing Date :NA  
(62) Divisional to Application Number :NA  
    Filing Date :NA

(71)Name of Applicant :

1)EUTICALS SPA

Address of Applicant :VIALE BIANCA MARIA, 25 I-20122  
MILANO ITALY

(72)Name of Inventor :

1)MOTTA, GIUSEPPE

2)VERGANI, DOMENICO

3)BERTOLINI, GIORGIO

(57) Abstract :

The present invention refers to a new process for the synthesis of tapentadol comprising the quantitative resolution of the racemic mixture (V) to obtain the stereoisomer of (S)-3-(dimethylamino)-2-methyl-1-(3-nitrophenyl)-propan-1-one (VII) according to the Scheme 2 below (V, VI, VII) Scheme 2 using the (2R,3R)-O,O-dibenzoyltartaric chiral acid wherein said resolution is quantitative. The present invention also refers to some intermediate compounds of the new synthesis process of tapentadol.

No. of Pages : 34 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1403/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FIREPROOF DOOR AND FIREPROOF DOOR FRAME

(51) International classification	:E06B 5/16
(31) Priority Document No	:10-2009-0124741
(32) Priority Date	:15/12/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2010/008913
Filing Date	:14/12/2010
(87) International Publication No	:WO/2011/074845
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)PARK Gap Hwan

Address of Applicant :406-2001 Koaroo Apt. 1611-2  
Jinyeong-ri Jinyeong-eup Gimhae-si Gyeongsangnam-do 621-  
807 Republic of Korea.

(72)Name of Inventor :

1)PARK Gap Hwan

(57) Abstract :

The present invention relates to a fireproof door and a fireproof door frame, and more particularly, to a fireproof door and a fireproof door frame which permit water to flow along the interiors thereof to block heat, and which permit the gap formed between the door frame and the door to be sealed to prevent toxic gases from entering an indoor area upon outbreak of fire. The fireproof door according to the present invention comprises a water accommodating unit, a groove, a water-swelling body, a suction port and a plurality of supply holes. The water accommodating unit is formed to accommodate water therein. The groove is formed along a door rim. The water-swelling body is inserted into the groove along the door rim such that the water-swelling body swells upon absorbing water and seals the gap formed between the door frame and the door. The suction port is formed in a lower portion of the fireproof door so as to supply water to the water accommodating unit. The supply holes are formed along the groove such that the supply holes penetrate from the water accommodating unit to the water-swelling body, so as to supply water accommodated in the water accommodating unit to the water-swelling body through the suction port. The fireproof door frame according to the present invention comprises a water accommodating unit, a groove, a water-swelling body, a suction port and a plurality of supply holes. The water accommodating unit is formed to accommodate water therein. The groove is formed along a door frame rim. The water-swelling body is inserted into the groove along the door frame rim such that the water-swelling body swells upon absorbing water and seals the gap formed between the door frame and the door. The suction port is formed in a lower portion of the fireproof door frame so as to supply water to the water accommodating unit. The supply holes are formed along the groove such that the supply holes penetrate from the water accommodating unit to the water-swelling body, so as to supply water accommodated in the water accommodating unit to the water-swelling body through the suction port.

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1404/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR IDENTIFICATION OF PROTEASE ACTIVITY INHIBITORS AND ASSAYING THE PRESENCE OF PROTEASE ACTIVITY

(51) International classification	:C12Q 1/37	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/267,386	<b>1)SYNAPTIC RESEARCH LLC</b>
(32) Priority Date	:07/12/2009	Address of Applicant :1448 South Rolling Road Baltimore Maryland 21227 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/059341	<b>1)OYLER George A.</b>
Filing Date	:07/12/2010	<b>2)CHANG Yung-Nien</b>
(87) International Publication No	:WO/2011/071956	<b>3)TSAI Yien Che</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 the identification of proteases and protease inhibitors is provided. The system has at least two components. The first component is a reporter construct with at least one binding site, a transcriptional promoter, an inducible promoter region, and at least one reporter gene, all functionally connected for expression of the reporter gene(s) in functional coordination with a transcriptional activation agent. The second component is a transcriptional activation agent comprising a nucleic acid binding domain, at least one protease substrate domain, and at least one transcriptional activation domain for an inducible promoter. The system allows detection and evaluation of agents affecting protease activity directed to the protease substrate domain. The system also allows for the detection of the presence of proteases in environmental samples.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/06/2012

(21) Application No.1484/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BEVERAGE DISPENSING DEVICE•

(51) International classification	:B67D 1/00
(31) Priority Document No	:12/625,226
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058085
Filing Date	:24/11/2010
(87) International Publication No	:WO/2011/066448
(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)PEPSICO INC.**

Address of Applicant :700 Anderson Hill Road Purchase NY 10577 United States of America

(72)Name of Inventor :

**1)DEO Indrani**

**2)JERSEY Steven**

(57) Abstract :

Novel systems and methods for dispensing compositions, such as beverages, are provided. Novel beverage dispensers may be configured to receive one or more physiological parameters regarding a user, and in response, formulate at least one beverage recipe for dispensing. A beverage dispenser may wirelessly receive data from a biosensor. In certain embodiments, data from the biosensor may be used to alter the recipe to another existing beverage or a custom beverage. Non-physiological data may also be considered. In one embodiment, environmental and/or biographical data may be utilized. In another embodiment, exertion data may be calculated. The calculation of exertion data may receive inputs regarding at least one physiological parameter and/or non-physiological parameters to derive a second physiological parameter not being measured. Novel systems and methods may reduce costs associated with extra sensors and/or allow more accurate assessment of the users exertion level.

No. of Pages : 41 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/06/2012

(21) Application No.1485/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD FOR PROCESSING VEGETABLE BIOMASS

(51) International classification	:C12P 7/06
(31) Priority Document No	:PI 0904538-4
(32) Priority Date	:30/11/2009
(33) Name of priority country	:Brazil
(86) International Application No	:PCT/BR2010/000397
Filing Date	:30/11/2010
(87) International Publication No	:WO/2011/063484
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CTC - Centro de Tecnologia Canavieira S.A.

Address of Applicant :Fazenda Santo Antônio s/n Bloco 01  
Santo Antônio Piracicaba SP Brazil - CEP: 13400-970 Brazil

(72)Name of Inventor :

1)Henrique Macedo BAUDEL

2)Jos Augusto Travassos Rios TOM%

3)Dionsio Fabiano PEGORETTI

4)Dionsio Morelli FILHO

5)Osvaldo Godoy NETO

6)Jaime FINGERUT

(57) Abstract :

The present invention relates to an energy-efficient method for processing vegetable biomass, in particular sugar cane, for producing carbohydrates and ethanol by physico-chemical and extraction processes, such as more simple grinding arrangements, thus minimising energy consumption during the extraction of sugar cane juice. The thus processed and obtained biomass, when subjected to a fermentation process for producing ethanol, increases the process yield when compared with the conventional sugar cane. The biomass can also be used for producing enzymes, feeds and other useful products.

No. of Pages : 55 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1487/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : RETRACTABLE SHANK FOR MACHINE TOOLS AND USE OF SAID RETRACTABLE SHANK IN MACHINE TOOLS

(51) International classification	:B23Q 1/70	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P200902377	<b>1)SORALUCE S. COOP.</b>
(32) Priority Date	:22/12/2009	Address of Applicant :Osintxu Auzoa 20570 BERGARA
(33) Name of priority country	:Spain	(GIPUZKOA) Spain
(86) International Application No	:PCT/ES2010/000514	(72) <b>Name of Inventor :</b>
Filing Date	:14/12/2010	<b>1)MR. MENDIA OLABARRIA Angel Maria</b>
(87) International Publication No	:WO/2011/083185	
(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 retractable shank for machine tools and to the use of said retractable shank in machine tools made up of a shank core (13), on which is arranged at least one front unit made up of a rotating bush (17) connected, via a set of bearings (16), relative to a stationary portion of the structure of the machine, said front unit being removable by extraction towards the outside or by moving towards the inside, leaving a space (19) which can house the rear rotary shaft of the headstock.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1339/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A MULTI-OUTPUT ENGINE WELDER SUPPLYING FULL ELECTRICAL POWER CAPACITY TO A SINGLE WELDING OUTPUT AND METHOD

(51) International classification	:B23K 9/10	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/648,385	<b>1)LINCOLN GLOBAL INC.</b>
(32) Priority Date	:29/12/2009	Address of Applicant :17721 Railroad Street City of Industry
(33) Name of priority country	:U.S.A.	CA 91748 UNITED STATES OF AMERICA
(86) International Application No	:PCT/IB2010/003359	(72) <b>Name of Inventor :</b>
Filing Date	:29/12/2010	<b>1)FARAH Samir F.</b>
(87) International Publication No	:WO/2011/080575	<b>2)MECKLER Andreu P.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An engine welder having a single rotor (120) and a single stator (130), and methods of distributing electrical power capacity of the engine welder (100) to various welding windings (131, 132, 133) and auxiliary windings of the engine welder. The single rotor is driven at saturation current and independent control of the welding outputs is accomplished on the stator side of the engine welder (100). Means for supplying the full electrical power capacity of the engine welder (100) to a single stator welding winding are provided. Furthermore, means for distributing the electrical power capacity of the engine welder between welding windings (131, 132, 133) and/or auxiliary windings of the single stator (130) are provided.

No. of Pages : 25 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1412/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LOW-VISCOSITY EPOXY RESIN COMPOSITION WITH LOW BLUSHING

(51) International classification	:C09D163/02, C09D 163/10	(71) <b>Name of Applicant :</b> <b>1)SIKA TECHNOLOGY AG</b> Address of Applicant :Zugerstrasse 50 CH-6340 Baar Switzerland
(31) Priority Document No	:09178262.3	
(32) Priority Date	:08/12/2009	
(33) Name of priority country	:Switzerland	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2010/068333 :26/11/2010	<b>1)BURCKHARDT Urs</b> <b>2)STADELmann Ursula</b> <b>3)BTIKOFER Pierre-Andr</b>
(87) International Publication No	:WO/2011/069846	
(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 two-component epoxy resin compositions consisting of a resin component K1 and a hardener component K2. The resin component K1 in these compositions comprises at least one epoxy resin and at least one aldehyde, while the hardener component K2 comprises at least one polyamine A1 having at least one primary amino group. The composition exhibits surprisingly good reduction of the blushing effect and has highly manageable viscosities, and is therefore suitable particularly for areal applications. The cured compositions feature good aesthetics and good mechanical properties.

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1495/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : APPARATUS AND METHOD FOR ELECTRICALLY INSULATING END TURNS OF A STATOR ASSEMBLY

(51) International classification	:H02K 3/38
(31) Priority Document No	:61/289,577
(32) Priority Date	:23/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/058935 :03/12/2010
(87) International Publication No	:WO/2011/087618
(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) KOHLER CO.**

Address of Applicant :444 HIGHLAND DRIVE KOHLER,  
WISCONSIN 53044, U.S.A.

(72)**Name of Inventor :**

- 1) BLIEMEISTER, ALLAN, J.**
- 2) VAN MAAREN, RICHARD, D.**
- 3) SPANGLE, JAMES, D.**
- 4) BREILING, PAUL, L.**
- 5) ATSINGER, LOUIS, M.**

(57) Abstract :

An apparatus and method for providing electrical insulation between adjacent end turns at different phases within a stator assembly. In one embodiment, the invention is directed to a stator assembly comprising: a stator core having a plurality of slots; at least two coils of different phases wound on the stator core through the slots and having an end turn that extends from the stator core; and one or more separator members positioned between adjacent end turns of the coils.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1497/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONTACT TIP AND DIFFUSER

(51) International classification	:B23K 9/29
(31) Priority Document No	:12/771,663
(32) Priority Date	:30/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/000849
Filing Date	:19/04/2011
(87) International Publication No	:WO/2011/135421
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LINCOLN GLOBAL INC.

Address of Applicant :17721 Railroad Street City of Industry  
CA 91748 United States of America

(72)Name of Inventor :

1)KACHLINE Jeffrey L.

(57) Abstract :

A contact tip (105) includes a first threaded section (135) and a first non-threaded section (140). The length of the first non-threaded section (140) is at least a fifth of the length of the first threaded section (135) along a longitudinal axis (125). The contact tip (105) further includes a first contact surface (145). A diffuser (110) includes a second non-threaded section (175) and a second threaded section (170) configured to mate with the first threaded section (135) of the contact tip (105). The diffuser further includes a second contact surface. The first non-threaded section is configured to elongate along the longitudinal axis as the first threaded section is screwed into the second threaded section past a point where the first contact surface and the second contact surface have established contact.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.1270/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GALVANIZED STEEL SHEET

(51) International classification	:C23C2/28, C23C2/02	(71)Name of Applicant : <b>1)JFE STEEL CORPORATION</b> Address of Applicant :2-3 Uchisaiwai-cho 2 -chome Chiyoda-ku Tokyo 100-0011 Japan.
(31) Priority Document No	:2009-268765	
(32) Priority Date	:26/11/2009	
(33) Name of priority country	:Japan	(72)Name of Inventor : <b>1)HOSHINO Katsuya</b> <b>2)KUBOTA Takahiro</b> <b>3)MIYOSHI Tatsuya</b> <b>4)TADA Masahiko</b>
(86) International Application No Filing Date	:PCT/JP2010/071190 :19/11/2010	
(87) International Publication No	:WO/2011/065514	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a galvanized steel sheet which has excellent press formability. The surface of the steel sheet is provided with an organic-inorganic composite film that has an average thickness of 0.10-2.0  $\mu\text{m}$  and contains an organic resin and a crystalline layered material. The organic-inorganic composite film contains not less than 0.5 part by weight of the crystalline layered material, as a solid content, relative to 100 parts by weight of the solid content of the organic resin. Examples of the crystalline layered material may include a layered double hydroxide that is represented by  $[\text{M}2+1-\text{x}\text{M}3+\text{x}(\text{OH})2][\text{An}-]\text{x}/\text{n}\cdot\text{zH}_2\text{O}$ . It is preferable that the  $\text{M}2+$  represents one or more of  $\text{Mg}^{2+}$ ,  $\text{Ca}^{2+}$ ,  $\text{Fe}^{2+}$ ,  $\text{Ni}^{2+}$  and  $\text{Zn}^{2+}$ , the  $\text{M}3+$  represents one or more of  $\text{Al}^{3+}$ ,  $\text{Fe}^{3+}$  and  $\text{Cr}^{3+}$ , and the  $\text{An}-$  represents one or more of  $\text{OH}^-$ ,  $\text{CO}_3^{2-}$ ,  $\text{Cl}^-$  and  $(\text{SO}_4)^{2-}$ .

No. of Pages : 35 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1342/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MAGNETIC TUNNEL JUNCTION DEVICE AND FABRICATION•

(51) International classification	:G11C 11/15
(31) Priority Document No	:12/626,269
(32) Priority Date	:25/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057891
Filing Date	:23/11/2010
(87) International Publication No	:WO/2011/066324
(61) 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)LI Xia**

**2)KANG Seung H.**

**3)ZHU Xiaochun**

---

(57) Abstract :

A magnetic tunnel junction (MTJ) device and fabrication method is disclosed. In a particular embodiment, a method is disclosed that includes forming a magnetic tunnel junction structure (202) above a bottom electrode (110, 702). The method also includes forming a diffusion barrier layer (302, 402) above and adjacent to the magnetic tunnel junction structure. The method further includes etching back the diffusion barrier layer, removing the diffusion barrier layer above the magnetic tunnel junction structure. The method also includes connecting a top of the magnetic tunnel junction structure to a conductive layer (604, 704).

No. of Pages : 40 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/06/2012

(21) Application No.1420/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DETECTION OF RISK OF PRE-ECLAMPSIA

(51) International classification	:G01N 33/68
(31) Priority Document No	:61/288,465
(32) Priority Date	:21/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/070446
Filing Date	:21/12/2010
(87) International Publication No	:WO/2011/080170
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)UNIVERSITY COLLEGE CORK NATIONAL UNIVERSITY OF IRELAND CORK**

Address of Applicant :Western Road Cork Co. Cork Ireland

(72)Name of Inventor :

**1)KENNY Louise**

**2)NEWTON BAKER Philip**

**3)BROADHURST David**

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(57) Abstract :

A method for the early prediction of risk of hypertensive disorders in pregnant women, including for example eclampsia, mild pre-eclampsia, chronic hypertension, EPH gestosis, gestational hypertension, superimposed pre-eclampsia, HELLP syndrome, or nephropathy.

No. of Pages : 50 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1500/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND COMPOSITIONS FOR DIAGNOSIS AND PROGNOSIS OF RENAL INJURY AND RENAL FAILURE

(51) International classification	:G01N 33/53	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/288,327	1)Astute Medical Inc. Address of Applicant :Blg 2 R. 645 3550 General Atomics Court San Diego CA 92121 United States of America
(32) Priority Date	:20/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:U.S.A.	1)ANDERBERG Joseph 2)GRAY Jeff 3)MCPHERSON Paul 4)NAKAMURA Kevin 5)KAMPF James Patrick
(86) International Application No	:PCT/US2010/061377	
Filing Date	:20/12/2010	
(87) International Publication No	:WO/2011/075744	
(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 methods and compositions for monitoring, diagnosis, prognosis, and determination of treatment regimens in subjects suffering from or suspected of having a renal injury. In particular, the invention relates to using a plurality of assays, one or more of which is configured to detect a kidney injury marker selected from the group consisting of Hyaluronic acid, Immunoglobulin A, Immunoglobulin G1, Immunoglobulin G2, Insulin-like growth factor-binding protein 7, Alpha-1 antitrypsin, Serum amyloid P component, Metalloproteinase inhibitor 2, Hepatocyte growth factor, Intercellular adhesion molecule 1, Beta-2-glycoprotein 1, Interleukin-1 beta, Neutrophil Elastase, Tumor necrosis factor receptor superfamily member HB, Interleukin-11, Cathepsin D, C-C motif chemokine 24, C-X-C motif chemokine 6, C-C motif chemokine 13, C-X-C motif chemokines -1, -2, and -3, Matrilysin, Interleukin-2 receptor alpha chain, Insulin-like growth factor-binding protein 3, and Macrophage colony-stimulating factor 1 as diagnostic and prognostic biomarkers in renal injuries.

No. of Pages : 134 No. of Claims : 132

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1371/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REAL-TIME MONITORING, FEEDBACK, RECOGNITION AND CONSISTENCY IDENTIFICATION SYSTEM FOR PRODUCT QUALITY INFORMATION OF CONDOMS AND GLOVES AND METHOD THEREOF

(51) International classification	:G06F19/00, G06F15/173	(71) <b>Name of Applicant :</b> <b>1)CHEN Rulin</b> Address of Applicant :No.1 Daming Street Port Industry Zone Huadu District Guangzhou City Guangdong 510800 China.
(31) Priority Document No	:200910253400.2	<b>2)CHAN Victor W J</b>
(32) Priority Date	:03/12/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:China	<b>1)CHEN Rulin</b> <b>2)CHAN Victor W J</b>
(86) International Application No Filing Date	:PCT/CN2010/078843 :17/11/2010	
(87) International Publication No	:WO/2011/066771	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A real-time monitoring, feedback, recognition and consistency identification system for product quality information of condoms and gloves is disclosed. The system comprises: an acquisition module; a processing output module connected with the acquisition module; an exertion module connected with the processing output module; and an inquiry module. The system enables users to obtain the real-time manufacture acquisition data or the prior coding data or the preset information data from each product itself or its packaging and contrast with the each presupposed performance data index of the product. With such solution, the problem that quality judgments and tracing could not been objectively and directly carried out one by one as the product does not have real-time exerting independent information code and the product itself does not have corresponding association consistency information code with its corresponding packaging is resolved. Unqualified products being mixed with qualified products are avoided. Rights damage caused to users and regulatory difficulties caused to regulators because of the repackaging after removing the product packaging and the reselling are avoided. The sense of responsibility and self-discipline of manufacturers are improved. The regulators and users abilities of distinguishing product quality are improved.

No. of Pages : 38 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2012

(21) Application No.1445/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PRODUCING 5,5-DISUBSTITUTED 4,5-DIHYDROISOXAZOL-3-THIOCARBOXAMIDINE SALTS

(51) International classification	:C07D 261/04	(71) <b>Name of Applicant :</b> <b>1)BASF SE</b> Address of Applicant :67056 LUDWIGSHAFEN GERMANY
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP09/065925	(72) <b>Name of Inventor :</b> <b>1)FRASSETTO, TIMO</b>
Filing Date	:26/11/2009	
(87) International Publication No	:WO 2011/063842	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for preparing 5,5-disubstituted 4,5-dihydroisoxazole-3-thiocarboxamidine salts of the formula (I), wherein 3-unsubstituted 4,5-dihydroisoxazoles are first reacted with a chlorinating or brominating reagent to give 3-halogenated 4,5-dihydroisoxazoles and the latter then react with thiourea to give the compounds of the formula (I).

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1528/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DISPERSING FEEDSTOCKS AND PROCESSING MATERIALS

(51) International classification	:C13K1/02, C13K13/00	(71) <b>Name of Applicant :</b> <b>1)XYLECO INC.</b> Address of Applicant :271 Salem St. Unit L Woburn Massachusetts 01801 UNITED STATES OF AMERICA
(31) Priority Document No	:61/296,658 (US)	
(32) Priority Date	:20/01/2010	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/057257	(72) <b>Name of Inventor :</b>
Filing Date	:18/11/2010	<b>1)MEDOFF Marshall</b>
(87) International Publication No	:WO/2011/090543	<b>2)MASTERMAN Thomas</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Biomass feedstocks (e.g., plant biomass, animal biomass, and municipal waste biomass) are processed to produce useful products, such as fuels. For example, systems are described that can convert feedstock materials to a sugar solution, which can then be fermented to produce ethanol. Biomass feedstock is dispersed in a liquid medium and then saccharified.

No. of Pages : 62 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1529/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTI-SPECTRUM PHOTOSENSITIVE DEVICE AND MANUFACTURING METHOD THEREOF

(51) International classification	:H01L 27/146
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2010/073441
Filing Date	:01/06/2010
(87) International Publication No	:WO/2011/150552
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Boly Media Communications (shenzhen) Co. Ltd.

Address of Applicant :Suite A B C D&E Floor 9 JiaLiTai Building North of Gongye6th Road West of Yanshan Road Nanshan District Shenzhen Guangdong 518067 China

(72)Name of Inventor :

1)HU Xiaoping

(57) Abstract :

A multi-spectral optical sensor and the manufacturing method thereof are disclosed. The multi-spectral optical sensor includes at least one opaque base layer. Each base layer has at least two surfaces, on which optical sensing pixel groups are located. Each optical sensing pixel group is used for sensing light with any spectrum emitted from the front of the surface where the optical sensing pixel group is located. Alternatively, the multi-spectral optical sensor includes at least one transparent base layer. Each base layer has at least two surfaces, on which optical sensing pixel groups are located. Each optical sensing pixel group is used for sensing light with any spectrum emitted from the front or back of the surface where the optical sensing pixel group is located. The present invention enables sensing light from double sides by one device and sensing different images of two sides. It is also used for sensing light from one side to improve performance of the optical sensor.

No. of Pages : 75 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2012

(21) Application No.1239/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN APPARATUS AND METHOD FOR SIZE REDUCTION

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(51) International classification	:B02C 13/12
(31) Priority Document No	:2009070741-8
(32) Priority Date	:20/10/2009
(33) Name of priority country	:Singapore
(86) International Application No	:PCT/SG2010/000403
Filing Date	:20/10/2010
(87) International Publication No	:WO/2011/049532
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)Musse Incorporated**

Address of Applicant :U0195 Jalan Merdeka 87007 F.T.  
Labuan Malaysia

(72)**Name of Inventor :**

**1)Paul HITCHCOCK**

**2)Wayne PEARCE**

**3)Mark PILGRIM**

(57) Abstract :

The present invention provides a method for size reduction of a material comprising the steps of: feeding material through a feed assembly into a cyclone chamber, the cyclone chamber having an elongate cylindrical conduit having a frusto-conical section; adding at least one viscosity modifying agent into the cyclone chamber; and providing a cyclonic fluid stream within the cyclone chamber. The present invention also provides an apparatus for size reduction of a material. The apparatus comprises: a cyclone chamber (4) having an elongate cylindrical conduit having a frusto-conical section (4a); a device (5) for creating a cyclonic fluid stream within the cyclone chamber (4), such that the frusto-conical section (4a) of the cyclone chamber (4) terminates in an opening forming the inlet to the device; an air inlet tube (3) in fluid connection with the cyclone chamber (4) at the opposite end of the frusto-conical section (4a); and a feed assembly for feeding material into the cyclone chamber (4).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.1376/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : EFFICIENT ILLUMINATION SYSTEM FOR LEGACY STREET LIGHTING SYSTEMS

(51) International classification	:F21K99/00, F21S 8/08	(71) <b>Name of Applicant :</b> <b>1)Led Net Ltd.</b> Address of Applicant :c/o Mad Park Ltd. 113 Jabotinsky Street 51253 Bnei-Brak Israel.
(31) Priority Document No	:12/629,965	(72) <b>Name of Inventor :</b>
(32) Priority Date	:03/12/2009	<b>1)VADAI Ephraim</b>
(33) Name of priority country	:U.S.A.	<b>2)SHEFI Amit</b>
(86) International Application No	:PCT/IL2010/000943	<b>3)HERBST Tzvika</b>
Filing Date	:16/11/2010	
(87) International Publication No	:WO/2011/067749	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An LED lamp for outdoor and large space lighting, particularly for streets, warehouses car parks and the like, is adapted for fitting into legacy light fittings designed for sodium bulbs and the like. The LED lamp comprises a plurality of light emitting diodes (36) arranged over a surface of the lamp, is rotatably connected through a rotatable electrical connection to a screw- in adaptor (34) for insertion into a legacy screw-in socket, such that the screw in adaptor (34) is rotatable independently of the lamp, so that the legacy screw in socket can be used even though the light fitting is too small to allow rotation of the LED lamp. Additional embodiments provide for cooling airflow through the light fitting, for temperature control of the LEDs (36), and for failure protection, to ensure a longest possible lamp lifetime.

No. of Pages : 57 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1533/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR SACCHARIFYING AND FERMENTING A BIOMASS FEEDSTOCK

(51) International classification	:C12P7/14, C12P7/06
(31) Priority Document No	:61/296,673
(32) Priority Date	:20/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057272
Filing Date	:18/11/2010
(87) International Publication No	:WO/2011/090544
(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)XYLECO INC.

Address of Applicant :271 Salem St. Unit L Woburn  
Massachusetts 01801 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)MEDOFF Marshall

2)MASTERMAN Thomas

(57) Abstract :

Biomass feedstocks (e.g., plant biomass, animal biomass, and municipal waste biomass) are processed to produce useful products, such as fuels. For example, systems are described that can convert feedstock materials to a sugar solution, which can then be fermented to produce ethanol. Biomass feedstock is saccharified in a vessel by operation of a jet mixer, the vessel also containing a liquid medium and a saccharifying agent.

No. of Pages : 59 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2012

(21) Application No.1536/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PUMP OR TURBINE FOR INCOMPRESSIBLE FLUIDS

(51) International classification	:F04C 9/00
(31) Priority Document No	:582354
(32) Priority Date	:24/12/2009
(33) Name of priority country	:New Zealand
(86) International Application No	:PCT/NZ2010/000081
Filing Date	:24/04/2010
(87) International Publication No	:WO 2011/078696
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)SWASHPUMP TECHNOLOGIES LIMITED**

Address of Applicant :SIMU HOUSE, 115, CUSTOM ST.,  
WEST, AUCKLAND, NEW ZEALAND

(72)**Name of Inventor :**

**1)DALZIEL, LINDSAY, BRUCE.**

**2)LAYNE, JOHN**

**3)SMIT BENNO, FRANK**

---

(57) Abstract :

A rotatable drive shaft in the swash pump or turbine for liquids is supported by one bearing at each end. An integrated motor or dynamo uses the same two bearings. The compound first bearing supports a slanted section of the drive shaft placed inside the inner swash sphere, and transfers rotational power to the attached nutatable swash plate. The second bearing confines rotation of the drive shaft in a defined axis. Either one of the bearings is made to prevent axial movement of the drive shaft, preventing swash pump misalignment. A resilient drive, and an immersed pump are described.

No. of Pages : 43 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2012

(21) Application No.1130/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND APPARATUS FOR SUPPORTING DATA FLOWS OVER MULTIPLE RADIO PROTOCOLS•

(51) International classification	:H04L 12/70	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/262,835	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:19/11/2009	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/US2010/057075	United States of America
Filing Date	:17/11/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/063019	<b>1)TAGHAVI NASRABADI Mohammad Hossein</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ABRAHAM Santosh Paul</b>
Filing Date	:NA	<b>3)SAMPATH Hemanth</b>
(62) Divisional to Application Number	:NA	<b>4)JAIN Avinash</b>
Filing Date	:NA	

(57) Abstract :

A method of providing three-dimensional (3D) sound at a wireless device is disclosed and may include detecting movement of a 3D virtual object within a display, determining a direction of the movement of the 3D virtual object, and transmitting sound from a 3D sound system that tracks the direction of the movement of the 3D virtual object. The method may further include selectively altering a phase of the sound as the 3D virtual object moves, selectively altering a volume of the sound as the 3D virtual object moves, selectively altering a pitch of the sound as the 3D virtual object moves, selectively altering a tone of the sound as the 3D virtual object moves, or a combination thereof.

No. of Pages : 44 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2012

(21) Application No.1243/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : POSITION DETERMINATION USING A WIRELESS SIGNAL•

(51) International classification	:G01S 5/02
(31) Priority Document No	:12/621,310
(32) Priority Date	:18/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057284
Filing Date	:18/11/2010
(87) International Publication No	:WO/2011/063153
(61) 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)BRUNNER Christopher**

**2)KULIK Victor**

(57) Abstract :

A mobile station determines its position using measured parameters of a wireless signal to improve a satellite positioning system (SPS) enhanced dead reckoning based position estimate. The mobile station uses SPS enhanced dead reckoning to estimate a current position. The mobile station receives wireless signals and measures, e.g., received signal strength and/or round trip time, which is compared to a database to derive a wireless signal based position estimate. The SPS enhanced dead reckoning position estimate and the wireless signal based position estimate may then be fused using corresponding confidence levels. The database may be generated and stored in the mobile station. In another embodiment, the database is generated and stored on an online server that may be accessed by mobile stations.

No. of Pages : 41 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.1245/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER WITH REDUCED FREQUENCY OSCILLATIONS•

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/286,979
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059562
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/084336
(61) 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)THOMSON Steven S.**

**2)RYCHLIK Bohuslav**

**3)IRANLI Ali**

**4)SALSBERRY Brian J.**

**5)SUR Sumit**

**6)GARGASH Norman S.**

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(57) Abstract :

A method of dynamically controlling power within a central processing unit is disclosed and may include entering an idle state, reviewing a previous busy cycle immediately prior to the idle state, and based on the previous busy cycle determining a CPU frequency for a next busy cycle.

No. of Pages : 37 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.1246/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR ENHANCING PERFORMANCE FOR A WIRELESS COMMUNICATION ENVIRONMENT•

(51) International classification	:H04L 12/28
(31) Priority Document No	:60/691,716
(32) Priority Date	:16/06/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2006/023514
Filing Date	:15/06/2006
(87) International Publication No	:WO/2006/138581
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2223/MUMNP/2007
Filed on	:28/12/2007

(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)GORE Dhananjay Ashok  
2)GOROKHOV Alexei  
3)SAMPATH Hemanth  
4)JI Tingfang  
5)KADOUS Tamer**

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(57) Abstract :

Apparatuses and methodologies are described that enhance performance in a wireless communication system using beamforming transmissions. According to one aspect, a set of transmit beams are defined that simultaneously provides for space division multiplexing, multiple-input multiple output (MIMO transmission and opportunistic beamforming. The addition of a wide beam guarantees a minimum acceptable performance for all user devices.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2012

(21) Application No.1546/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LIVE BACTERIA PRODUCT

(51) International classification	:A61K 9/06,A61K 35/74	(71) <b>Name of Applicant :</b> <b>1)WATSON, JAMES, B.</b> Address of Applicant :P.O. BOX 1252, NORFOLK, NE 68702-1252 UNITED STATES OF AMERICA
(31) Priority Document No	:12/592,615	
(32) Priority Date	:30/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/003020 :22/11/2010	
(87) International Publication No	:WO/2011/065966	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A live bacteria product including dormant viable bacteria suspended in a liquid carrier. The liquid carrier is sufficiently devoid of moisture so that substantially all of the bacteria will remain in a dormant state for several months or until applied to the target host. The liquid carrier has a moisture content of less than one percent and preferably has a moisture content of less than one-tenth of one percent. The carrier contains mineral oil and a suspension agent and may also include an adsorbent. The suspension agent may be polymers such as synthetic polymers. The product is stored and shipped in a plastic bag and is sprayed onto its target host or the like. The moisture and pH of the target host then activates the bacteria.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1397/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND APPARATUSES FOR IDENTIFYING AND MITIGATING INTERFERENCE IN A WIRELESS SIGNAL•

(51) International classification	:H04B 1/10
(31) Priority Document No	:12/635,602
(32) Priority Date	:10/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059575
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/072080
(61) 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)FARMER Dominic Gerard**

**2)SIMIC Emilia M.**

**3)CHEN Shiou-Hung**

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(57) Abstract :

Methods and apparatuses are provided that may be implemented in various electronic devices and/or circuits to identify and mitigate to some extent various known and unknown interference signals that may appear in a received signal.

No. of Pages : 44 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/06/2012

(21) Application No.1473/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : GARMENT DONNER AND DOFFER

(51) International classification	:A47G 25/90
(31) Priority Document No	:61/284,128
(32) Priority Date	:14/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059822
Filing Date	:10/12/2010
(87) International Publication No	:WO/2011/081842
(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)FIKES Raymond**

Address of Applicant :11122 North Viento Court Fountain Hills Arizona 85268 United States of America

(72)Name of Inventor :

**1)FIKES Raymond**

(57) Abstract :

Principles of the present disclosure contemplate use of a flexible sleeve to aid in donning and doffing garments, for example compression garments. The compression garment may be rolled around the sleeve via an eversion process. The compression garment may be unrolled from the sleeve and onto a limb via a reverse eversion process. Likewise, the compression garment may be unrolled from around a limb and onto the sleeve via an eversion process. By utilizing an eversion-based approach, compression garments may be donned and/or doffed more quickly and easily.

No. of Pages : 41 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/06/2012

(21) Application No.1474/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THERMOMECHANICAL TREATMENT METHOD

(51) International classification	:B21B 1/26
(31) Priority Document No	:09450241.6
(32) Priority Date	:23/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/AT2010/000493
Filing Date	:23/12/2010
(87) International Publication No	:WO/2011/079341
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VOESTALPINE GROBBLECH GMBH**

Address of Applicant :voestalpine-Strae 3 A-4020 Linz  
Austria

(72)Name of Inventor :

**1)GRILL Rainer**

**2)EGGER Rupert**

**3)STINGEDER Christian**

(57) Abstract :

The invention relates to a thermomechanical treatment method for producing thick plate (1) from a starting material in order to increase the toughness, in particular the low-temperature toughness, of the thick plate (1), wherein the thick plate (1) is heated, is partially and finally shaped by rolling, and is cooled down at an accelerated rate compared to a cool-down at ambient temperature, wherein the thick plate (1), which is heated to above the Ac3 temperature for partial shaping, is cooled down at an accelerated rate after the thick plate has been finally shaped. In order to achieve advantageous properties of the thick plate, the thick plate (1) is cooled down to below the Ar3 temperature at an accelerated rate between the partial shaping and the final shaping and then is inductively heated to above the Ac3 temperature.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/06/2012

(21) Application No.1475/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CONTROL-WORD DECRYPTING, TRANSMISSION AND RECEPTION METHODS, RECORDING MEDIUM AND SERVER FOR THESE METHODS

(51) International classification	:H04L 9/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:FR 0959612	<b>1)Viaccess</b>
(32) Priority Date	:28/12/2009	Address of Applicant :Les Collines de l'Arche Tour Operera C
(33) Name of priority country	:France	92057 PARIS L a Dfense France
(86) International Application No	:PCT/EP2010/070318	(72) <b>Name of Inventor :</b>
Filing Date	:20/12/2010	<b>1)MAGIS Erwaan</b>
(87) International Publication No	:WO/2011/080150	
(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 decrypting control words for a first and second terminal, that includes: a control word server that transmits (162) to the first terminal a control word CW2,t obtained by decrypting a cryptogram CW2,t transmitted by the second terminal even before the first terminal changes a descrambled channel by switching from the first to the second channel, wherein in response to the channel change, the first terminal first checks (126) if the control word CW2,t has already been preliminarily sent by the control word server even before the channel change and, in such a case, the first terminal immediately starts descrambling (130) the multimedia content broadcasted on the second channel using the control word CW2,t.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/06/2012

(21) Application No.1556/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : EXCHANGE OF LOCATION INFORMATION USING A WIRELESS COMMUNICATION DEVICE•

(51) International classification	:H04B 7/24 ,H04W 4/02
(31) Priority Document No	:12/652,469
(32) Priority Date	:05/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2011/020260 :05/01/2011
(87) International Publication No	:WO/2011/085030
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number 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)SHUMAN Mohammed A.**

(57) Abstract :

Exemplary techniques for sending data packages that can include geographic information during group communication sessions between wireless telecommunication devices, such as push-to-talk communication sessions, are disclosed. In an embodiment the data packages are wirelessly transmitted by a communication device to a group communication server and then sent to other group members.

No. of Pages : 53 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/06/2012

(21) Application No.1418/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A MANUFACTURE PROCESS OF NON-ORIENTED SILICON STEEL WITH HIGH MAGNETIC INDUCTION

(51) International classification	:C22C38/06,C22C 38/02	(71)Name of Applicant :
(31) Priority Document No	:201010517872.7	1)BAOSHAN IRON & STEEL CO., LTD. Address of Applicant :NO.885, FUJIN ROAD, BAOSHAN DISTRICT, SHANGHAI 201900, China
(32) Priority Date	:25/10/2010	(72)Name of Inventor :
(33) Name of priority country	:China	1)WANG, ZITAO 2)WANG, BO 3)XIE, SHISHU 4)JIN, BINGZHONG 5)MA, AIHUA 6)ZOU, LIANG 7)ZHU, YUHUA 8)HU, ZHANYUAN 9)CHEN, XIAO
(86) International Application No Filing Date	:PCT/CN2011/072775 :14/04/2011	
(87) International Publication No	:WO/2012/055215	
(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 manufacturing non-oriented silicon steel with high-magnetic induction, includes the steps of: 1) smelting, casting smelting steel, secondary refining, and casting into a casting blank; wherein the non-oriented silicon steel composition by weight percentage is composed of Si 0.11%, Al 0.0051%, C 0.004% or less, Mn 0.101.50%, P 0.2% or less, S 0.005% or less, N 0.002% or less, Nb+V+Ti 0.006% or less, and balance iron; 2) heating to 1150-1200°C for hot rolling with the final rolling temperature of 830-900°C, and coiling at the temperature not less than 570°C; 3) cold rolling at a rolling reduction rate of 2-5% for leveling; 4) normalizing at the temperature not less than 950°C for 30-180 seconds; 5) acid pickling, and cold rolling at an accumulated rolling reduction rate of 70-80% after acid pickling; 6) annealing, heating to 800-1000°C in the speed of not less than 100 °C per second, keeping the temperature for 560 seconds, then slowly cooling to 600-750°C by 315 °C per second. According to the invention, on the premise of ensuring iron loss, the magnetic induction of non-oriented silicon steel can be improved at least 200 Gs.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2012

(21) Application No.1577/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ELECTRIC BRAKE

(51) International classification	:F16D 65/18
(31) Priority Document No	:10 2010 001 782.5
(32) Priority Date	:10/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/000126
Filing Date	:10/02/2011
(87) International Publication No	:WO/2011/098074
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Hanning & Kahl GmbH & Co. KG**

Address of Applicant :Rudolf-Diesel-Str. 6 33813  
Oerlinghausen GERMANY

(72)Name of Inventor :

**1)REICH Michael**

(57) Abstract :

The invention relates to a brake, comprising at least one brake actuating element, which is operatively connected to a planetary-roller threaded unit and to an electrical drive in order to move the brake actuating element between a braking position and an axially offset non-braking position of the brake actuating element, wherein the planetary-roller threaded unit has a plurality of threaded roller elements distributed in the circumferential direction, the threaded roller elements being in threaded engagement with a spindle element connected in a rotationally fixed manner to the electrical drive and with a stationary housing, and wherein the threaded roller elements are rotatably arranged about the axes thereof, which are each arranged parallel to an axis of the spindle element, and about the axis of the spindle element, wherein the brake actuating element is coupled only to the spindle element.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2012

(21) Application No.1578/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : DRY POWDER FIBRIN SEALANT

(51) International classification	:A61K 38/36, A61K 9/16	(71) <b>Name of Applicant :</b> <b>1)PROFIBRIX BV</b> Address of Applicant :Zernikedreef 9 NL-2333 CK Leiden Netherlands
(31) Priority Document No	:10150392.8	
(32) Priority Date	:08/01/2010	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2011/050192	<b>1)KOOPMAN Jacob</b>
Filing Date	:07/01/2011	<b>2)MARTYN Glen</b>
(87) International Publication No	:WO/2011/083154	
(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 dry powder fibrin sealant which comprises a mixture of fibrinogen and thrombin for use in surgery, trauma and other wounds or injuries. It further relates to novel formulations comprising said dry powder fibrin sealant for use in the treatment of wounds or for surgical intervention or as a topical hemostat.

No. of Pages : 38 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2012

(21) Application No.1579/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FIBRINOGEN PREPARATIONS ENRICHED IN FIBRINOGEN WITH AN EXTENDED ALPHA CHAIN

(51) International classification	:A61K 38/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10150391.0 (EP)	<b>1)PROFIBRIX BV</b>
(32) Priority Date	:08/01/2010	Address of Applicant :Zernikedreef 9 NL-2333 CK Leiden Netherlands
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2011/050191	<b>1)GRIMBERGEN Joseph</b>
Filing Date	:07/01/2011	<b>2)KOOPMAN Jacob</b>
(87) International Publication No	:WO/2011/083153	<b>3)BOUT Abraham</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 fibrinogen preparations enriched in -extended fibrinogen. Compositions comprising such preparations show improved clotting properties compared to preparations based on HMW Fib which typically contain no or only low amounts of -extended fibrinogen. In particular, clot formation time and the clot strength of a clot made by -extended fibrinogen are improved. In addition, plasmin-mediated degradation of -extended fibrinogen is reduced as compared to plasma derived fibrinogen.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/06/2012

(21) Application No.1507/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE FOR PUSHING GLASS OBJECTS ONTO A CONVEYOR BELT

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(51) International classification	:C03B 9/453
(31) Priority Document No	:102010024301.9
(32) Priority Date	:18/06/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/002071
Filing Date	:23/04/2011
(87) International Publication No	:WO/2011/157315
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)HEYE INTERNATIONAL GMBH

Address of Applicant :AM ZIEGELEIWEG 3, 31683  
OBERNKIRCHEN, GERMANY

(72)Name of Inventor :

1)FELGENHAUER, BENEDIKT

2)HUEBNER, MATTHIAS

---

(57) Abstract :

The invention relates to a device for pushing glass objects from a resting depositing plate to a conveyor belt moving at a uniform speed, characterized by a first electric motor (1) arranged in a stationary manner within a housing (49). The electric motor has a driving connection to a cantilever (4) that is rotatably supported about a vertical axis (8). An accommodating element (9) is located on the cantilever. The accommodating element carries a second electric motor (12), the output shaft of which extends vertically and is connected at the free end thereof to a crank arm (17) in a rotationally fixed manner. A pusher (18) is attached to the free end of the crank arm in an articulated manner in such a way that the pusher can be pivoted relative to the crank arm (17) about a vertical axis (19). By means of an annular element (26), which is rotatably supported about the axis (23) of said output shaft and which has a drive connection to a third electric motor that is likewise carried by the accommodating element (9), the pusher (18) can be pivoted relative to the crank arm about the axis (19) via an intermediately arranged push rod. After two of the three electric motors, which can be controlled independently of each other, are arranged on the cantilever (4), a significant reduction of transmission parts is achieved compared to three electric motors arranged in a stationary manner. The mechanism of a pivoting motion of the pusher (18) relative to the crank arm (17) by means of a push rod is robust, low-maintenance, and suitable in particular for the usage conditions in a glassworks.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/06/2012

(21) Application No.1588/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR CONTROLLING HIGH INTENSITY DISCHARGE LAMP AND SUPPLY SYSTEM FOR HIGH INTENSITY DISCHARGE LAMP.

(51) International classification	:H05B 41/292	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P-389856	<b>1)AZO DIGITAL SP.Z.O.O</b>
(32) Priority Date	:10/12/2009	Address of Applicant :TRZY LIPY 3, PL-80-172 GDANSK, POLAND
(33) Name of priority country	:Poland	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/PL2010/000121	<b>1)ADAMOWICZ, PIOTR</b>
Filing Date	:06/12/2010	
(87) International Publication No	:WO 2011/071398	
(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 the method for controlling high intensity discharge lamp comprising supplying a signal of variable frequency and constant filling factor from the switches cascade to the ballast circuit and the lamp, said ballast circuit having included at least one condenser and at least one inductance, in the method it is used the signal of periodically fluctuating frequency and constant filling factor 50 to 50%, supplied from the electronic switches cascade of the half-bridge type, connected with the ballast circuit and the lamp 9, where the ballast circuit includes at least first condenser (C1), the lamp and includes first inductance (L1) and second condenser (C2) forming a resonant circuit. The invention also related to the supply system for high intensity discharge lamp comprising the stabilized voltage source, which supplies the electronic switches cascade, half or full bridge type, connected with the lamp and the ballast, which ballast includes at least one condenser and at least one inductance, and includes the generator of the signal of voltage or current regulated frequency and the generator control unit for generating modulated width impulses. The system is characterised in that it includes the signal generator (CONTROL1) of voltage or current regulated frequency and constant filling factor and the control unit (CONTROL2) comprising at least one signal generator of constant frequency and variable filling factor. The control unit (CONTROL2) output is connected with the control input of the signal generator (CONTROL1) in such way that the control system (CONTROL2) is adapted to deliver to the signal generator (CONTROL1) impulses of modulated width, which change the signal generator (CONTROL1) operating frequency, and where the signal generator (CONTROL1) is connected with the electronic switches (T1, T2) cascade of half- bridge type, and the ballast includes first condenser (C1), first inductance (L1), second condenser (C2), and it includes second inductance (L2) separating the lamp (LAMP) from second condenser (C2).

No. of Pages : 45 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1281/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER BASED ON INFERRRED WORKLOAD PARALLELISM•

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/286,953
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058075
Filing Date	:24/11/2010
(87) International Publication No	:WO/2011/084260
(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)RYCHLIK Bohuslav**

**2)GLENN Robert A.**

**3)IRANLI Ali**

**4)SALSBERRY Brian J.**

**5)SUR Sumit**

**6)THOMSON Steven S.**

(57) Abstract :

A method of dynamically controlling power within a multicore CPU is disclosed and may include receiving a degree of parallelism in a workload of a zeroth core and determining whether the degree of parallelism in the workload of the zeroth core is equal to a first wake condition. Further, the method may include determining a time duration for which the first wake condition is met when the degree of parallelism in the workload of the zeroth core is equal to the first wake condition and determining whether the time duration is equal to a first confirm wake condition. The method may also include invoking an operating system to power up a first core when the time duration is equal to the first confirm wake condition.

No. of Pages : 51 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/06/2012

(21) Application No.1426/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FLUE GAS RECIRCULATION METHOD AND SYSTEM FOR COMBUSTION SYSTEMS

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(51) International classification

:F23C 9/00

(31) Priority Document No

:2,688,220

(32) Priority Date

:11/12/2009

(33) Name of priority country

:Canada

(86) International Application No

:PCT/CA2010/001954

Filing Date

:10/12/2010

(87) International Publication No

:WO/2011/069257

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)CLEMENTS, BRUCE  
2)POMALIS, RICHARD**

(57) Abstract :

A method and system for improving high excess air combustion system efficiency, including induration furnaces, using a re-routing of flue gas within the system by gas recirculation. Flue gas is drawn from hot system zones including zones near the stack, for re-introduction into the process whereby the heat recovery partially replaces fuel input. At least one pre-combustion drying zone, at least one combustion zone, and at least a first cooling zone exist in these furnaces. At least one exhaust gas outlet is provided to each pre-combustion drying and combustion zone. At least part of the gaseous flow from each system zone exhaust outlet is selectively delivered to an overall system exhaust, the remaining flow being selectively delivered via recirculation to cooling zones. Recirculation flow is adjusted to meet required system temperatures and pressures. The method and system provide efficiency improvements, reducing fuel requirements and greenhouse gas emissions.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/06/2012

(21) Application No.1594/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR MANUFACTURING HOLLOW ENGINE VALVE

(51) International classification	:B21K 1/22,B21J 5/08	(71) <b>Name of Applicant :</b> <b>1)MITSUBISHI HEAVY INDUSTRIES, LTD.</b> Address of Applicant :16-5, KONAN 2-CHOME, MINATO-KU, TOKYO 1088215, Japan <b>2)YOSHIMURA COMPANY</b>
(31) Priority Document No	:2010-041411	(72) <b>Name of Inventor :</b>
(32) Priority Date	:26/02/2010	<b>1)MORII, HIROKAZU</b>
(33) Name of priority country	:Japan	<b>2)YOSHIMURA, HYOJI</b>
(86) International Application No Filing Date	:PCT/JP2010/067506 :06/10/2010	
(87) International Publication No	:WO/2011/104921	
(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 manufacturing a hollow engine valve, capable of simplifying the manufacturing process and reducing the manufacturing cost. A method for manufacturing a hollow engine valve is configured in such a manner that, in order to form the hollow shaft section of a half-finished product (1a) into a predetermined shape, the hollow shaft section is inserted in sequence into die holes (M1, M2, M (m-1), Mm, M (n-1), Mn), which have different hole shapes, and subjected in sequence to drawing so as to reduce the outer diameter and the inner diameter of the hollow shaft section in stages and so as to stretch the length of the hollow shaft section in stages. In the method, the half-finished product (1a) is subjected to heat treatment so that the hardness thereof is lower than or equal to a predetermined level, a shaft end sealing section (15) is formed by increasing the wall thickness of the opening end of the hollow shaft section (12) toward the inside of the opening end by the die hole (Mn) of a die (Din), the die hole (Mn) having an inner diameter adjusted to d2, and the gap in the shaft end sealing section (15) is welded.

No. of Pages : 16 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2012

(21) Application No.1287/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHODS AND COMPOSITIONS FOR PRODUCING SQUALENE USING YEAST

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(51) International classification

:C12R 1/73

(31) Priority Document No

:61/263,775

(32) Priority Date

:23/11/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/057668

Filing Date

:22/11/2010

(87) International Publication No

:WO/2011/063350

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :6455 Nancy Ridge Drive Suite 100 San Diego California 92121 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)WALKER Keith A.**

**2)KNUTH Mark E.**

**3)FONG Noel M.**

**4)BEETHAM Peter R.**

---

(57) Abstract :

Provided herein compositions and methods for producing isoprenoids, including squalene. In certain aspects and embodiments provided are genetically converted yeast and uses therefore. In some aspects and embodiments, the genetically converted yeast produce isoprenoids, preferably squalene. Also are provided methods of producing squalene using a genetically converted yeast or a non-genetically converted yeast. The invention also provides squalene produced by genetically converted yeast or non-genetically converted yeast.

No. of Pages : 38 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2012

(21) Application No.1288/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ITEM DISPLAY STAND

(51) International classification	:A47F 5/11
(31) Priority Document No	:10/00313
(32) Priority Date	:27/01/2010
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2011/051076
Filing Date	:26/01/2011
(87) International Publication No	:WO/2011/092209
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA :NA
(62) Divisional to Application Number	:NA :NA

(71)Name of Applicant :

**1)LHOTEL Fran§ois**

Address of Applicant :Le Moulin Vent F-77760 Larchant France

(72)Name of Inventor :

**1)LHOTEL Fran§ois**

(57) Abstract :

The stand, which is foldable, with a box comprises a supporting wall (6), two side walls (16, 17), the box being articulated between a folded state and an unfolded and open functional state ready to accept the item. The supporting wall (6) extends between the side walls (16, 17). Flaps (27) keep the box in its unfolded and open state and staying means (16, 17, 27, 6) form, with the supporting wall (6), means of transferring force. Each side wall (16, 17) is a thick wall with at least one two-sided (14, 28) dihedral angle extending from a hinging edge (24) and which can be folded on itself along the edge (24) and along another fold line (19) secant with this edge (24). In the unfolded state, the edges are rigid and form part of said staying means.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2012

(21) Application No.1360/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SHIMLESS SEPARATOR ARBOR

(51) International classification	:B65H 35/02
(31) Priority Document No	:12/644,715
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/003182
Filing Date	:16/12/2010
(87) International Publication No	:WO/2011/087481
(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)SANCHEZ Jesus H.

Address of Applicant :2080 Lilac Lane #102 Aurora IL 60506 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)SANCHEZ Jesus H

(57) Abstract :

A shimless separator arbor for slitting a sheet of metal passing through a slitter has a separator adjustment device as a new separator adjustment device for allowing adjustments to the space between separators for the purpose of properly spacing strips of material formed from the sheet of metal to cut at two strips from the sheet, so the at least strips have a smooth edge.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1522/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SUBSIDENCE CONTROL SYSTEM

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(51) International classification	:B65D 88/02
(31) Priority Document No	:61/263,261
(32) Priority Date	:20/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/057162
Filing Date	:18/11/2010
(87) International Publication No	:WO/2012/102688
(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)JAMES W. PATTEN**

(57) Abstract :

A method of maintaining structural integrity of a subsiding earthen fluid containment structure is disclosed and comprises forming a lined containment infrastructure (100) including a convex bulged crown portion (120), floor portion (110) and sidewall portions (115) which enclose a comminuted earthen material (126) within an enclosed volume (125) such that fluid flow from the lined containment compound is restricted. The bulged crown flattens, thickens and diminishes in surface area during subsidence of the comminuted earthen material as fluid is removed. The bulged crown is shaped to avoid tensile stresses which may otherwise result in breach or failure of lined containment during subsidence. Further, the lined containment structure can include an inner insulative layer and an outer impermeable seal layer having unique contributions as described in more detail herein.

No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1608/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : BODY-WORN SYSTEM FOR MEASURING CONTINUOUS NON-INVASIVE BLOOD PRESSURE  
(CNIBP)

(51) International classification	:A61B 5/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/650,370	<b>1)Sotera Wireless Inc.</b>
(32) Priority Date	:30/12/2009	Address of Applicant :9444 Waples Street Suite 280 San
(33) Name of priority country	:U.S.A.	Diego CA 92121 United States of America
(86) International Application No	:PCT/US2010/062564	(72) <b>Name of Inventor :</b>
Filing Date	:30/12/2010	<b>1)BANET Matt</b>
(87) International Publication No	:WO/2011/082341	<b>2)DHILLON Marshal</b>
(61) Patent of Addition to Application Number	:NA	<b>3)McCOMBIE Devin</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a technique for continuous measurement of blood pressure based on pulse transit time and which does not require any external calibration. This technique, referred to herein as the Composite Method, is carried out with a body- worn monitor that measures blood pressure and other vital signs, and wirelessly transmits them to a remote monitor. A network of body- worn sensors, typically placed on the patients right arm and chest, connect to the body- worn monitor and measure time- dependent ECG, PPG, accelerometer, and pressure waveforms. The disposable sensors can include a cuff that features an inflatable bladder coupled to a pressure sensor, three or more electrical sensors (e.g. electrodes), three or more accelerometers, a temperature sensor, and an optical sensor (e.g., a light source and photodiode) attached to the patients thumb.

No. of Pages : 91 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/06/2012

(21) Application No.1450/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : USER INTERFACE METHODS AND SYSTEMS FOR PROVIDING FORCE-SENSITIVE INPUT•

(51) International classification	:G06F 3/038
(31) Priority Document No	:12/652,922
(32) Priority Date	:06/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/020134
Filing Date	:04/01/2011
(87) International Publication No	:WO/2011/084956
(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)FORUTANPOUR Babak**

**3)HORODEZKY Samuel J.**

**4)GOODING Ted R.**

(57) Abstract :

Methods and systems implement touch sensors or force sensitive materials disposed on the case of a computing device in order to enable user input gestures to be performed on portions of the device case. The force sensitive elements may generate an electrical signal in response to a gesture, such as a tap, squeeze, swipe or twist. The properties of the generated electrical signal may be compared to various reference templates to recognize particular input gestures. The force sensitive elements may operate in conjunction with more traditional input methods, such as touch-screen display and electromechanical buttons. By enabling user input gestures on the case of computing devices, the various aspects permit one hand operation of the devices including intuitive gestures that do not require the users focused attention to accomplish. Thus the various aspects may enable users to utilize their computing devices in situations not suitable to conventional user input technologies.

No. of Pages : 91 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1531/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COOLING AND PROCESSING MATERIALS

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(51) International classification	:C12P 7/06
(31) Priority Document No	:61/295,476
(32) Priority Date	:15/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/020583
Filing Date	:07/01/2011
(87) International Publication No	:WO/2011/087965
(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 :271 Salem St. Unit L Woburn  
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(72)Name of Inventor :

**1)MEDOFF Marshall**

(57) Abstract :

Systems and methods for cooling and processing materials are disclosed.

No. of Pages : 33 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.1532/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR PRODUCING LOCK RETAINERS AND LOCK RETAINER

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(51) International classification	:E05B 15/02
(31) Priority Document No	:10 2009 060 375.1
(32) Priority Date	:24/12/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2010/001303
Filing Date	:06/11/2010
(87) International Publication No	:WO/2011/076161
(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)KORDOWSKI Bernhard**

**2)WALDMANN Thomas**

**3)WESTERWICK Volker**

**4)SCHIFFER Holger**

(57) Abstract :

In order to produce a lock retainer (1) for locks, preferably motor vehicle locks, a rod-shaped raw material made of steel is first solidly shaped into the lock retainer (1) by means of cold extrusion in a plurality of sub-steps, wherein during said solid shaping process the final shape of the lock retainer (1) is produced in such a way that further processing steps can be omitted. The only remaining step then is to remove the opening (10) from the accordingly designed or shaped lock bow having the bow legs (5, 8) and to remove the retaining holes (3, 4) from the base plate (2) by means of punching or laser cutting or a similar process. The lock retainer (1) produced by means of such a method is characterized by a clear and smooth overall geometry, a surface structure (20) being applied and optionally material being accumulated in the severely loaded areas and thus overall a lock retainer (1) not requiring further post-work being available after the sub-steps of the cold extrusion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1618/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : CATALYST AND METHOD FOR PRODUCING AN AMINE•

(51) International classification	:B01J 21/06
(31) Priority Document No	:09177915.7
(32) Priority Date	:03/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/068376
Filing Date	:29/11/2010
(87) International Publication No	:WO/2011/067200
(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)Kubanek Petr

2)Mgerlein Wolfgang

3)Melder Johann-Peter

4)Heidemann Thomas

---

(57) Abstract :

The invention relates to a method for producing an amine by reacting a primary or secondary alcohol, aldehyde and/or ketone with hydrogen and a nitrogen compound, selected from the group containing ammonia and primary and secondary amines in the presence of a supported catalyst containing copper, nickel and cobalt. According to the invention, prior to the reduction of the catalyst using hydrogen, the catalytically active mass of said catalyst contains oxygen-containing compounds of aluminium, copper, nickel, cobalt and tin and between 0.2 and 5.0 wt. % of oxygen-containing compounds of yttrium, lanthanum, cerium and/or hafnium, each of which is calculated as Y<sub>2</sub>O<sub>3</sub>, La<sub>2</sub>O<sub>3</sub>, Ce<sub>2</sub>O<sub>3</sub> and Hf<sub>2</sub>O<sub>3</sub>. The invention also relates to catalysts defined as above.

No. of Pages : 39 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2011

(21) Application No.1085/MUM/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : MEDIA COMPOSITIONS AND METHOD OF INITIATING AND ENRICHING CULTURES OF STEM CELLS AND/OR CANCER STEM-LIKE CELLS

(51) International classification	:C12N5/02, C12N 5/095	(71) <b>Name of Applicant :</b> <b>1)GODAVARI BIOREFINERIES LIMITED</b> Address of Applicant :45/47, SOMAIYA BHAVAN, MAHATMA GANDHI ROAD, MUMBAI- 400001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA :NA	<b>1)ANNETTE MARTIN</b> <b>2)SHRUTI PATIL</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a culture medium for selectively enriching and maintaining stem cells or cancer stem-like cells comprising basic nutrients, gelatin, methyl cellulose and optionally growth factors or other supplementary elements in an effective amount wherein the culture medium is essentially serum free. The present invention further provides feeding medium comprising components similar to the culture medium except the feeding medium is devoid of methyl cellulose. Present invention still further provides cell cultures comprising stem cells or cancer stem-like cells and the culture medium of the present invention. Also provides are methods for selectively enriching and maintaining stem cells or cancer stem-like cells using the culture medium of the present invention and kits for the same.

No. of Pages : 36 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2012

(21) Application No.1247/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMB FOR TREATING PEDICULOSIS

(51) International classification	:A45D 24/30
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/ES2009/000541
Filing Date	:23/11/2009
(87) International Publication No	:WO/2011/061354
(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)BURCHAKCHI, JORGE REINALDO**

(72)Name of Inventor :

**1)SANZ, JUAN MARTIN**

**2)BURCHAKCHI, JORGE REINALDO**

---

(57) Abstract :

The invention relates to a comb for treating pediculosis, including a handle and a plurality of teeth, each provided with successive ridges or grooves intended for trapping and removing nits and lice from the hair, wherein each ridge or groove is flanked by a raised edge on at least one of the sides thereof.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1460/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD OF TRANSFORMING CELLS

(51) International classification	:C12N 1/20
(31) Priority Document No	:61/289,853
(32) Priority Date	:23/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/070681
Filing Date	:23/12/2010
(87) International Publication No	:WO/2011/076933
(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)AGRICULTURE AND FOOD DEVELOPMENT**

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(72)Name of Inventor :

**1)MULLINS Ewen**

**2)WENDT Toni**

**3)DOOHAN Fiona**

(57) Abstract :

Use of an isolated Ensifer adhaerens strain OV14 deposited under NCIMB Accession Number 4177, or an isolated variant thereof characterised by a 16S rRNA gene having at least 98.6% sequence homology with SEQUENCE ID NO: 1, as a gene delivery system in the genetic transformation of a plant cell or plant material is described.

No. of Pages : 43 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1620/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MEASUREMENT SYSTEM AND MEASUREMENT METHOD OF FLUCTUATIONS IN WEIHT OF RESPECTIVE DIVIDED BODY PARTS, AND UTILIZATION SYSTEM AND UTILIZATION METHOD THEREOF

(51) International classification	:G01G 19/44	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-296615	<b>1)KURATA Tadao</b>
(32) Priority Date	:28/12/2009	Address of Applicant :3-7-2 Nishi-ooizumi Nerima-ku
(33) Name of priority country	:Japan	Tokyo 1780065 Japan
(86) International Application No	:PCT/JP2010/072677	<b>2)KURATA Sumiko</b>
Filing Date	:16/12/2010	<b>3)KURATA Noriko</b>
(87) International Publication No	:WO/2011/081030	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)KURATA Tadao</b>
Filing Date	:NA	<b>2)KURATA Sumiko</b>
(62) Divisional to Application Number	:NA	<b>3)KURATA Noriko</b>
Filing Date	:NA	

(57) Abstract :

Disclosed is a system of measuring weight variation of each body part for measuring and recording hourly change or variation in the weight of the body parts of a body in, for example, a supine position as accurate as possible. Specifically disclosed is a system of measuring weight variation of each body part, which comprises a body-part weight measuring unit (1) for measuring the weight of each body part defined by dividing a whole body in a supine position into a plurality of parts and a measurement control/data processing unit (2) that is connected to the body-part weight measuring unit (1) so as to easily communicate therewith and that processes body-part weight measurement data received from the body-part weight measuring unit (1). The measurement control/data processing unit (2) includes a means for determining a weight difference between a whole-body weight of the body in an upright position and an average whole-body weight determined from the body-part weight measurement data relating to all the body parts of the whole body within a predetermined measurement time received from the body-part weight measuring unit (1), a means for determining weight variation of each body part and the weight of each body part using the body-part weight measurement data when the weight difference is less than or equal to a predetermined value and for storing the weight variation and the weight in a storage device, and the like.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1398/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MAGNETIC TUNNEL JUNCTION DEVICE•

(51) International classification	:H01L 43/08
(31) Priority Document No	:12/633,264
(32) Priority Date	:08/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059541
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/072058
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

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5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)**Name of Inventor :**

**1)ZHU Xiaochun**

**2)KANG Seung H.**

**3)LI Xia**

**4)LEE Kangho**

---

(57) Abstract :

A system and method of manufacturing and using a magnetic tunnel junction device is disclosed. In a particular embodiment, a magnetic tunnel junction device includes a first free layer (112) and second free layer (116). The magnetic tunnel junction also includes a spin torque enhancement layer. The magnetic tunnel junction device further includes a spacer layer (114) between the first and second free layers that includes a material and has a thickness that substantially inhibits exchange coupling between the first and second free layers. The first and second free layers are magneto - statically coupled.

No. of Pages : 31 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/06/2012

(21) Application No.1399/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR REDUCING INSTRUCTIONS IN AN INDOOR NAVIGATION ENVIRONMENT•

(51) International classification	:G01C 21/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/285,007	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:09/12/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/059772	U.S.A.
Filing Date	:09/12/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/072169	<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 relates to a system and method for the selection of route in an indoor pedestrian navigation based on the lowest number of instructions.

No. of Pages : 50 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/06/2012

(21) Application No.1558/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTIPLEXING DEMODULATION REFERENCE SIGNALS IN WIRELESS COMMUNICATIONS•

(51) International classification	:H04L 5/00
(31) Priority Document No	:61/293,991
(32) Priority Date	:11/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/020895
Filing Date	:11/01/2011
(87) International Publication No	:WO/2011/085402
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

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United States of America

(72)**Name of Inventor :**

**1)LUO Xiliang**

**2)CHEN Wanshi**

**3)ZHANG Xiaoxia**

**4)GAAL Peter**

**5)MONTOJO Juan**

---

(57) Abstract :

Methods and apparatuses are provided for determining cyclic shift (CS) values and/or orthogonal cover codes (OCC) for a plurality of demodulation reference signals (DM-RS) transmitted over multiple layers in multiple-input multiple-output (MIMO) communications. A CS index can be received from a base station in downlink control information (DCI) or similar signaling. Based at least in part on the CS index, CS values for the plurality of DM-RSs can be determined. In addition, OCC can be explicitly signaled or similarly determined from the CS index and/or a configured CS value received from a higher layer. In addition, controlling assignment of CS indices and/or OCC can facilitate providing orthogonality for communications from paired devices in multiuser MIMO.

No. of Pages : 46 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2012

(21) Application No.1642/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PROCESS FOR PRODUCTION OF POLYETHYLENE TEREPHTHALATE PELLETS

(51) International classification	:B29B 9/16
(31) Priority Document No	:10 2010 007 163.3 (DE)
(32) Priority Date	:08/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/000566
Filing Date	:07/02/2011
(87) International Publication No	:WO/2011/095361
(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)AUTOMATIK PLASTICS MACHINERY GMBH**

Address of Applicant :Ostring 19 63762 Groostheim  
GERMANY

(72)**Name of Inventor :**

**1)Stefan Deiss**

**2)Frank Gloeckner**

**3)Horst Mueller**

---

(57) Abstract :

The invention relates to a method for producing granules from polyethylene terephthalate by generating a melt of polyethylene terephthalate material, generating granules from the melt by means of underwater granulation in a process fluid, conducting the granules away from the site of the underwater granulation in the process fluid, crystallizing the granules in the process fluid, discharging the granules in the process fluid, and separating the granules from the process fluid, wherein only the surface of the granules is crystallized in the crystallization step such that the inside of the granules remains amorphous, wherein the temperature of the process fluid is set to a value at which, depending on the formulation of the polyethylene terephthalate material, the previously experimentally determined maximum crystallization rate of the polyethylene terephthalate material of the granules is achieved, and wherein after the crystallization step, the turbidity of the surface of the granules is determined as a measure of the achieved crystallization degree and of the achieved crystallization depth on the surface of the granules.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/06/2012

(21) Application No.1483/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AUTOMATED BEVERAGE FORMULATION•

(51) International classification	:B67D 1/00
(31) Priority Document No	:12/625,226
(32) Priority Date	:24/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058081
Filing Date	:24/11/2010
(87) International Publication No	:WO/2011/066444
(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)PEPSICO INC.**

Address of Applicant :700 Anderson Hill Road Purchase NY 10577 United States of America

(72)Name of Inventor :

**1)DEO Indrani**

**2)JERSEY Steven**

(57) Abstract :

Systems and methods for dispensing beverages are provided. In accordance with various embodiments, beverage vendors may maintain the quality associated with a branded beverage while permitting consumers to enjoy the personalized beverages. In one embodiment, a user input may select a beverage formulation. The beverage formulation may be a commercially available branded beverage. A second user input may be received that is configured to modify a concentration of an ingredient of the selected beverage formulation. The ingredient may be a sweetener, such as a sugar. In response to the adjusting the ingredient, a concentration of at least one second ingredient may be automatically adjusted to form a recipe of a modified beverage formulation. In one embodiment, the user input adjusts a natural sugar and, in response, the carbon dioxide concentration is automatically adjusted. In another embodiment, carbon dioxide and another acid may be adjusted.

No. of Pages : 35 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/06/2012

(21) Application No.1562/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COATING COMPOSITION FOR FRESH PRODUCE COMPRISING CHITOSAN, SURFACTANT AND POLYETHYLENE GLYCOL

(51) International classification	:A23B 7/16, A21D13/00	(71) <b>Name of Applicant :</b> <b>1)BASF SE</b> Address of Applicant :67056 LUDWIGSHAFEN GERMANY
(31) Priority Document No	:61/286,823	(72) <b>Name of Inventor :</b>
(32) Priority Date	:16/12/2009	<b>1)SOWA, CHRISTIAN</b>
(33) Name of priority country	:U.S.A.	<b>2)ANNAWALD, MARCUS</b>
(86) International Application No Filing Date	:PCT/EP2010/069449 :13/12/2010	<b>3)OVANDO, LENIN</b>
(87) International Publication No	:WO/2011/073115	
(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 method for coating food products comprising the application of an aqueous coating composition to the surface of the food product. A further subject is said coating composition and food products coated with said coating composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2012

(21) Application No.1648/MUMNP/2012 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : METHOD OF OPERATING A MINIMALLY INVASIVE MEDICAL SYSTEM COMPRISING A MANIPULATOR AND A SYSTEM THEREFOR•

(51) International classification	:A61B 19/00
(31) Priority Document No	:06122937.3
(32) Priority Date	:25/10/2006
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2007/061494
Filing Date	:25/10/2007
(87) International Publication No	:WO/2008/049898
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:651/MUMNP/2009
Filed on	:01/04/2009

(71)**Name of Applicant :**

**1)THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM) represented by the European Commission**

Address of Applicant :200 rue de la Loi B-1049 Brussels  
BELGIUM

(72)**Name of Inventor :**

**1)Emilio RUIZ MORALES  
2)Carlos SALVADOR CORRECHER**

(57) Abstract :

A method of force estimation for a minimally invasive medical system comprising a robot manipulator (10). The manipulator has an effector unit (12) equipped with a 6-degrees-of-freedom (DOF) force/torque sensor and is configured to hold a minimally invasive instrument (14) having a first end (16) mounted to the effector unit and a second end (20) located beyond an external fulcrum (23) that limits the instrument in motion, usually to 4 DOF. The method comprising the steps: - determining a position of the instrument relative to the fulcrum; - measuring by means of the 6-DOF force/torque sensor a force and a torque exerted onto the effector unit by the first end of the instrument; and - calculating by means of the principle of superposition an estimate of a force exerted onto the second end of the instrument based on the determined position, the measured force and the measured torque.

No. of Pages : 43 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2012

(21) Application No.1649/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD FOR CLASSIFYING MINERAL MATERIAL IN THE PRESENCE OF GLYCEROL-CONTAINING ADDITIVES, PRODUCTS OBTAINED, AND USES THEREOF

(51) International classification	:C09C 1/02
(31) Priority Document No	:09015129.1
(32) Priority Date	:07/12/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/IB10/003084
Filing Date	:01/12/2010
(87) International Publication No	:WO/2011/070418
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)OMYA DEVELOPMENT AG**

Address of Applicant :BASLERSTRASSE 42, CH-4665  
OFTRINGEN, Switzerland

(72)Name of Inventor :

**1)GANE, PATRICK, A., C.**

**2)BURI, MATTHIAS**

---

(57) Abstract :

The present invention relates to a method for classifying mineral material, using a classification-assisting additive that contains glycerol and/or at least one polyglycerol and allows air classification effectiveness to be increased or uses less specific classification energy than additive-free air classification, while obtaining a classified mineral material that is compatible with use in an aqueous medium. The invention also relates to the use of the resulting product in paints, plastics, food and feed, pharmaceutical formulations, paper mass and paper coatings.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/05/2012

(21) Application No.1334/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER WITH GUARANTEED TRANSIENT DEADLINES

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/286,991
(32) Priority Date	:16/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059542
Filing Date	:08/12/2010
(87) International Publication No	:WO/2011/084330
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

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(72)**Name of Inventor :**

**1)THOMSON Steven S.**

**2)RYCHLIK Bohuslav**

**3)IRANLI Ali**

**4)SUR Sumit**

**5)GARGASH Norman S.**

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(57) Abstract :

A method of controlling power at a central processing unit is disclosed. The method may include moving to a higher CPU frequency after a transient performance deadline has expired, entering an idle state, and resetting the transient performance deadline based on an effective transient budget.

No. of Pages : 33 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1411/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD OF TUNING A DYNAMIC CLOCK AND VOLTAGE SWITCHING ALGORITHM BASED ON WORKLOAD REQUESTS•

(51) International classification	:G06F 1/32
(31) Priority Document No	:61/294,026
(32) Priority Date	:11/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/020709
Filing Date	:10/01/2011
(87) International Publication No	:WO/2011/085329
(61) 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)GARGASH Norman S.**

**2)SALSBERRY Brian J.**

(57) Abstract :

A method of tuning a dynamic clock and voltage switching algorithm is disclosed and may include setting a default responsivity, determining whether a workload is registering after the workload is added, assigning a unique identifier to the workload if the workload is registering, and receiving a required responsivity from the workload.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1494/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MACROCYCLIC LACTONE DERIVATIVES FOR THE TREATMENT OF CANCER

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(51) International classification	:C07D 313/00
(31) Priority Document No	:61/261,856
(32) Priority Date	:17/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055161
Filing Date	:15/11/2010
(87) International Publication No	:WO/2011/061666
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)PIRAMAL LIFE SCIENCES LIMITED**

Address of Applicant :PIRAMAL TOWER, GANPATRAO KADAM MARG, LOWER PAREL, MUMBAI-400 013, MAHARASHTRA, INDIA

(72)**Name of Inventor :**

**1)MISHRA, PRABHU DUTT**

**2)MOHAMMED ABDUL, SHAFEE**

**3)VISHWAKARMA, RAM**

**4)FIEBIG, HEINZ-HERBERT**

**5)KELTER, GERHARD**

---

(57) Abstract :

The present invention provides compounds represented by formula (1): wherein, R1, R2, R3 and R4 are as defined in the specification, in all their stereoisomeric and tautomeric forms and mixtures thereof in all ratios, and their pharmaceutically acceptable salts, pharmaceutically acceptable solvates, pharmaceutically acceptable polymorphs and prodrugs. The invention also relates to processes for the manufacture of compounds of formula (1) and pharmaceutical compositions containing them. The compounds and the pharmaceutical compositions of the present invention are useful for the treatment of cancer. The present invention further provides a method of treatment of cancer by administering a therapeutically effective amount of the said compound of formula (1) or its pharmaceutical composition, to a mammal in need thereof.

No. of Pages : 83 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/07/2012

(21) Application No.1658/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND APPARATUS FOR INTELLIGENT FLOW SENSORS

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(51) International classification	:A61B 5/087
(31) Priority Document No	:61/283,402
(32) Priority Date	:03/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/055559
Filing Date	:03/12/2010
(87) International Publication No	:WO/2011/067734
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)FEATHER SENSORS LLC**

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P.A. 1122 N. High Street Millville New Jersey 08332-2529

United States of America

(72)**Name of Inventor :**

**1)COIFMAN Robert E.**

**2)FORBES Charles E.**

---

(57) Abstract :

A single sensor capable of detecting both airflow in spirometry and the full range of sound frequencies needed to track clinically relevant breath sounds is provided. The airflow sensor includes a movable flap with one or more integrated strain gauges for measuring displacement and vibration. The airflow sensor is inherently bidirectional. The sensor is an elastic flap airflow sensor that is capable of detecting data needed for both spirometry and auscultation measurements. The sensor is sterilizable and designed for the measurement of human respiratory airflow. The sterilizable sensor is also suitable for non-medical fluid flow metering applications. Additional devices such as sensors for the ambient level of various chemicals, sensors for temperature, sensors for humidity and microphones, may be affixed to the flap. When the strain gauge is placed in a conventional Wheatstone bridge configuration, the sensor can provide the airflow measurements needed for medical spirometry.

No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/07/2012

(21) Application No.1659/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MANAGEMENT OF OPERATION OF A PEM -FUEL -CELL -STACK BACKUP ELECTRIC GENERATOR•

(51) International classification	:H01M 8/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:TO2009A001026	<b>1)ELECTRO POWER SYSTEMS S.P.A.</b>
(32) Priority Date	:22/12/2009	Address of Applicant :Via Livorno 60 I- 10144 Torino
(33) Name of priority country	:Italy	ITALY
(86) International Application No	:PCT/IB2010/003320	(72) <b>Name of Inventor :</b>
Filing Date	:21/12/2010	<b>1)CHERCHI Pierpaolo</b>
(87) International Publication No	:WO/2011/077229	<b>2)PEDRAZZO. Francesco</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GIANOLIO Giuseppe</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A PEM-fuel-cell-stack backup electric generator (1) comprising: a fuel-cell stack (2), formed by a plurality of stacked PEM fuel cells (3) electrically connected in series for supplying electrical energy to an electrical load; a cell- voltage monitor (4) for measuring the voltage supplied by each fuel cell (3); an electrical-energy management and conditioning unit (5), connected between the fuel-cell stack (2) and the electrical load; a blower (6) for supplying the amount of air necessary for the chemical reactions that occur in the fuel cells (3); a hydrogen recirculator (7) for recirculating hydrogen between the outlet and the inlet of the fuel-cell stack (2); a hydrogen-purging device (8) for carrying out a primary purging of hydrogen at a lower flow rate, and a secondary purging of hydrogen at a higher flow rate; and a controller (10), programmed for managing operation of the electric generator (1) differently at start-up, at shut-down, and during normal operation thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1498/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : CAPACITOR-CIRCUIT BOARD INTERFACE FOR WELDING SYSTEM COMPONENTS

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(51) International classification	:B23K 9/10
(31) Priority Document No	:12/724,075
(32) Priority Date	:15/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/000546
Filing Date	:15/03/2011
(87) International Publication No	:WO/2011/114216
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)LINCOLN GLOBAL INC.

Address of Applicant :17721 Railroad Street City of Industry  
CA 91748 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)KOPRIVNAK George B.

2)DODGE Robert L.

3)BUDAY Jeremie

4)PERRIN David W.

---

(57) Abstract :

A welding system component includes a circuit board (46) for the welding system component. An interface (70) has a main riser portion (74) with a fastener passageway (78) formed there through. The interface (70) has an extension portion (76) with a terminal passageway (80) formed there through. The extension portion (76) is electrically connected to the circuit board (46) with a terminal disposed in the terminal passageway (80). The extension portion (76) is spaced away from a surface of the circuit board (46). A capacitor (42) is electrically connected to the main riser portion (74) with a fastener (82) disposed in the fastener passageway (80).

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1499/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FEEDING LUBRICANT FOR CORED WELDING ELECTRODE, CORED WELDING ELECTRODE AND GMAW PROCESS

(51) International classification	:B23K 35/36	(71) <b>Name of Applicant :</b> <b>1)LINCOLN GLOBAL INC.</b> Address of Applicant :17721 Railroad Street City of Industry CA 91748 UNITED STATES OF AMERICA
(31) Priority Document No	:12/753,135	
(32) Priority Date	:02/04/2010	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/IB2011/000724	(72) <b>Name of Inventor :</b> <b>1)PANDAY Radhika</b> <b>2)RAJAN Vaidyanath B.</b> <b>3)REID Jean Victoria</b> <b>4)SIDDERS Campbell Ian</b>
Filing Date	:04/04/2011	
(87) International Publication No	:WO/2011/121440	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A feeding lubricant for use on a welding electrode comprises about 10 to 40 wt.% of at least one soap-based lubricant, about 40 to 90 wt.% of at least one solid particulate lubricant selected from MoS<sub>2</sub>, WS<sub>2</sub>, ZnO, graphite and PTFE and up to 20 wt.% of at least one optional additional particulate lubricant ingredient.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2012

(21) Application No.1580/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A NEW METHOD FOR INSTALLING INDIRECT AND DIRECT MOLDPRESSURE, TEMPERATURE AND FLOW FRONT DETECTION SENSORS WITHOUT MACHINING THE MOLD

(51) International classification	:B29C 45/76
(31) Priority Document No	:12/655,165
(32) Priority Date	:23/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/003194
Filing Date	:17/12/2010
(87) International Publication No	:WO/2011/087482
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)RJG Inc. et al

Address of Applicant :3111 Park Drive Traverse City MI  
49686 United States of America

(72)Name of Inventor :

1)GROLEAU Rodney

(57) Abstract :

A molding apparatus includes a mold cavity (26), an ejector pin (30), and a sensor (42). The ejector pin has a first surface (48) exposed to the cavity and a second surface (40) not exposed to the cavity. The sensor (42) is in communicative contact with the ejector pin second surface (40). The sensor (42) is capable of sensing pressure in a mold cavity (26) through the ejector pin (30). The molding apparatus may include a hollow ejector pin (108) with a first end (120) facing the mold cavity (26). A sensor (104) embedded in the hollow ejector pin first end (120) senses a mold cavity parameter. A signal line (112) from the sensor (104) is routed through the hollow ejector pin (108).

No. of Pages : 45 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2012

(21) Application No.1581/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DOWNHOLE GUIDING TOOL

(51) International classification	:E21B 41/00
(31) Priority Document No	:09180926.9
(32) Priority Date	:30/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/070835
Filing Date	:29/12/2010
(87) International Publication No	:WO/2011/080292
(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)Welltec A/S

Address of Applicant :Gydevang 25 DK-3450 Aller,d  
Denmark

(72)Name of Inventor :

1)HALLUNDB†K Jrgen

2)ANDERSEN Thomas Sune

(57) Abstract :

The present invention relates to a downhole tool for guiding a device into a side track of a borehole, the tool having a tool axis and comprising a tool housing connected to an energy source. The invention further relates to a method for moving the downhole tool into a side track.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2011

(21) Application No.824/MUM/2011 A

(43) Publication Date : 11/10/2013

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

(51) International classification	:C07H17/08	(71) <b>Name of Applicant :</b> <b>1)Wockhardt Limited</b> Address of Applicant :D-4 MIDC Industrial area Chikalthana Aurangabad - 431210 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)Gangakhedkar Kiran Kumar</b>
(87) International Publication No	: NA	<b>2)Diwan Furqan Mohammed</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Varangaonkar Aniruddha</b>
Filing Date	:NA	<b>4) Deo Keshav</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the preparation of compound of Formula (I) is provided.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2011

(21) Application No.826/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : WIDE RANGE MIXER

(51) International classification	:H03D 7/14	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI MUMBAI - 400 076 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)VAIBHAV SINGH</b> <b>2)JAYANTA MUKHERJEE</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 wide band frequency mixer using 0.18 urn CMOS technology having Gilbert cell topology. The mixer uses a cross connected CMOS load for the LO output stage. Further it uses inductive tuning between the RF and L0 output stages. The inductive tuning is before the RF input stage and L0 input stages, and between the NMOS transistors and the cross connected PMOS load of the LO input stage.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/06/2012

(21) Application No.1432/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PAPER HOLDER

(51) International classification	:B41J 29/00, B41J 29/15	(71)Name of Applicant : <b>1)NS PLANNING INC.</b> Address of Applicant :2-26-7 MINAMI-OHTSUKA TOSHIMA-KU TOKYO 1700005 Japan
(31) Priority Document No	:2009-293153	
(32) Priority Date	:24/12/2009	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/066114	(72)Name of Inventor : <b>1)YOSHIDA Tsukasa</b>
Filing Date	:13/09/2010	
(87) International Publication No	:WO/2011/077794	
(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 paper holder which can reliably hold paper and allow paper to be reliably pulled out one sheet at a time from the top, such that a clean, straight tear mark is left, and almost no dust is generated. The paper holder is provided with a case (10) wherein a base portion (12) including a bottom surface portion (11) is removably engaged with an upper coverage portion (15), the base portion and the upper coverage portion integrally defining a paper piece insertion port (19); and a holding piece (20) which is provided with a blade (40) and holds the inserted paper in the case (10). An elastic member (30) is provided for applying a spring force to the holding piece (20) in the direction that the paper pieces are to be pulled out. The holding piece (20) is made of a rigid plate, is axially supported to be rotatable by an axial support portion (17) provided on the inner side of a forward end front surface portion (15d) of the case (10), and is provided with a longitudinal surface portion (21) extending from the axial support portion (17) toward the bottom surface portion. The blade (40) is secured to a blade securing member (50), and the blade securing member (50) is arranged on a surface of the longitudinal surface portion (21) on the side of the paper insertion direction, so that a tip end (43) of the blade projects from an end on the bottom surface side of the longitudinal surface portion (21).

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/01/2010

(21) Application No.217/MUM/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ALL LIVING THINGS (HUMAN, ANIMALS, PLANTS) ARE NON-VEGETARIANS.

(51) International classification	:A99Z99/00	(71) <b>Name of Applicant :</b> <b>1)SANTOSH KUMAR MASKE</b> Address of Applicant :K-4, FORTUNE ENCLAVE, KOLAR ROAD, BHOPAL, (M.P.) PIN CODE- 462 042 Madhya 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	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

All the living things (human, animals, and plants) are non- vegetarians, Because some living things, human and animal, directly eats the food by killing other specie and making food from flesh of animals and some living things cata the food prepared of plants which contains the non-veg as the plant gets minerals, manures and fertilizers which are naturally prepar remains of dead body of animals. Thus it proves that all the living things are non-vegetarians. And they all survive by killing other species and making food from it. I have many more reasons to prove my concept of above title. Key Words:- 1. Living things 2. Human, animal, plant 3. Non-veg/Non-vegetarian 4. Mineral 5. Manure 6. Fertilizer

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2011

(21) Application No.842/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING TEMPERATURE OF A FUEL CELL STACK

(51) International classification	:H01M8/10, H01M8/04	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)BHUT BHAVESHKUMAR DHIRAJLAL</b>
(87) International Publication No	: NA	<b>2)RAJA MUNUSAMY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RIJI CHEERAN RAJAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and a method for heating and regulation of temperature of fuel cell stack in an automotive vehicle are described. A main fluid pump provides a source of fluid under pressure to the fuel cell stack. A heater with a controller heats the coolant to raise temperature above subzero ambient temperature for smoother start of the vehicle. A radiator system provides heat rejection from the coolant in the closed loop to surrounding by means of hunting of state of the radiator system to maintain stack temperature between specified limits. The auxiliary pump forces fluid into heater and then into the fuel cell stack and then to radiator system. Also, included are the steps of generating signal for putting on or off the radiator fans and relays for powering heater in the coolant circuit by monitoring the temperature of coolant into the stack.

No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2012

(21) Application No.1548/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HIGH-TEMPERATURE GAS-COOLED REACTOR STEAM GENERATING SYSTEM AND METHOD

(51) International classification	:G21D 5/04
(31) Priority Document No	:200910243721.4
(32) Priority Date	:23/12/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/000085
Filing Date	:20/01/2010
(87) International Publication No	:WO/2011/075923
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)TSINGHUA UNIVERSITY**

Address of Applicant :Box 100084-82 Tsinghua Park  
Haidian District Beijing 100084 P.R.China

(72)**Name of Inventor :**

**1)ZHANG Zuoyi**

**2)WU Zongxin**

**3)WANG Dazhong**

**4)XU Yuanhui**

**5)SUN Yuliang**

**6)LI Fu**

**7)DONG Yujie**

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(57) Abstract :

A high-temperature gas-cooled reactor steam generating system comprises a plurality of nuclear steam supply systems, a high-pressure cylinder (21), a low-pressure cylinder (22), a condenser (23), a condensate pump (24), a low-pressure heater (25), a deaerator (26), a water supply pump (27), and a high-pressure heater (28) which are sequentially connected end to end to form a close steam loop. On one hand, the inherent safety of the reactor is guaranteed and the generating system is simplified with the inherent safety. On the other hand, the scale economy of the steam engine system and other systems of a whole power station is guaranteed through batch copy, a shared auxiliary system and a scale effect.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2012

(21) Application No.1549/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : VISIBLE LIGHT ABSORBERS FOR OPHTHALMIC LENS MATERIALS

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(51) International classification	:C09B 29/12
(31) Priority Document No	:61/295,900
(32) Priority Date	:18/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/021525
Filing Date	:18/01/2011
(87) International Publication No	:WO/2011/088449
(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)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH-4056 Basel Switzerland

(72)Name of Inventor :

1)LAREDO Walter R.

(57) Abstract :

Azo compounds that block visible light are disclosed. These light absorbers are particularly suitable for use in intraocular lens materials.

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/07/2009

(21) Application No.1724/MUM/2009 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : END OF LIFE SYSTEM FOR A WATER FILTER

(51) International classification	:F16K31/00, B01D35/14	(71) <b>Name of Applicant :</b> <b>1)TATA CHEMICALS LTD.</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODI STREET, MUMBAI-400001 Maharashtra India <b>2)TATA CONSULTANCY SERVICES LTD.</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DILSHAD AHMAD</b>
(87) International Publication No	: NA	<b>2)UJAS PRATAPRAI DAVE</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An auto shut off device for liquids is disclosed. The device comprises of at least one liquid inlet and at least one liquid outlet. The device further comprises of a casing that defines an opening. The device further comprises of a stopper shaped to close the opening and comprises of a top, bottom and side surfaces such that the top surface is positioned within the casing and the bottom surface is positioned outside the casing when the stopper is received in engagement in said opening. The stopper further defines a liquid inlet aperture on the top surface and a liquid outlet aperture on the top surface. The stopper further defines a connecting passage connecting the liquid inlet aperture to the liquid outlet aperture. The stopper further comprises of a liquid inlet passage connecting the liquid inlet to the liquid inlet aperture, and a liquid outlet passage connecting the liquid outlet aperture to the liquid outlet. The device further comprises of a water dissolvable tablet within the casing and configured to rest on the top surface of the stopper. The device further comprises of a plunger resting on the water dissolvable tablet, the plunger including a plug configured to block the liquid inlet aperture and a spring member above the plunger and configured to urge the plunger downwards towards the stopper such that water exiting the liquid inlet aperture impinges on the water dissolvable tablet before entering the liquid outlet aperture.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.855/MUM/2010 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ARTIFICIAL RIVER AND SERIES OF MINI DAMS

(51) International classification	:E02B7/00	(71) <b>Name of Applicant :</b> <b>1)TULASKAR RAMCHANDRA GAJANAN</b> Address of Applicant :2/12, DALVI BUILDING, PUNE LINK ROAD, KATEMANIVALI, KALYAN (EAST), THANE-421306, 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)TULASKAR RAMCHANDRA GAJANAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Man requires water. The rain is the main source of water. The large amount of rain water again goes to ocean and becomes useless to man for direct use. The ocean water enters in to water cycle. The rain water is available in rainy season only. We have to collect it and store it. There is 3 to 4 months rain in monsoon area. The large amount of rain water strait way go to Ocean. This water is not use full to man. Maximum quantity of rain water we can not collect. It is strait way goes to Ocean. There is big problem of water shortage. Artificial River And Series Of Mini Dam is such a device which can collect rain water which fell on collecting surfaces,

No. of Pages : 3 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.162/MUM/2011 A

(43) Publication Date : 11/10/2013

(54) Title of the invention : AUTOMIC, CONTINUOUS, ENERGY AND WATER CONSERVING, HYGIENIC PROCESS FOR MANUFACTURING IMPROVED QUALITY JAGGERY AND PROCESS THEREOF

(51) International classification	:C13B 10/06, C13B 10/00	(71) <b>Name of Applicant :</b> <b>1)TRANSPARENT ENERGY SYSTEMS PRIVATE LIMITED</b> Address of Applicant :PUSHPA HEIGHTS, 1ST FLOOR, BIBWEWADI CORNER, PUNE-SATARA ROAD, PUNE - 411 037, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ATRE ASHOK DATTATRAYA</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 :

A fully automatic Jaggery making process comprising the steps of feeding the sugar cane to the automatic, continuous and efficient cane handling and crushing system (01) for extracting the sugar juice and separating bagasse; passing the said juice of step (i) through the primary filter (02) for removing coarse Bagasse particles; preheating the said sugarcane juice of step (iii) in a preheater (03) to a temperature of about70 to 90 deg C; Filtering the pre-heated juice to remove coarse particles of impurities, mixing the measured quantity of clarificant with the help of continuous metering pump to the preheated juice of step (iii) to agglomerate the fine bagasse particles and further clarifying it in a clarifier (04); boiling of the said juice of step (iv) in super-efficient multistage evaporators (05); collecting the said concentrate in an intermediate concentrate storage tank and further concentrating the said concentrate in continuous and automatic mode in secondary concentrator (07); molding or flaking the Jaggery Syrup as obtained in step (vi) in a cooling equipment (08) to produce solidified Jaggery of desired shape and size.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2012

(21) Application No.831/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : RUDDER AND SHIP-LIKE OBJECT HAVING SUCH A RUDDER•

(51) International classification	:B63H 25/38
(31) Priority Document No	:2003550
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2010/050610
Filing Date	:20/09/2010
(87) International Publication No	:WO/2011/037457
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)IHC HOLLAND IE B.V.**

Address of Applicant :Molendijk 94 NL-3361 EP Sliedrecht  
The Netherlands

**2)VAN OOSSANEN & ASSOCIATES B.V.**

(72)Name of Inventor :

**1)VAN OOSSANEN Pieter**

**2)DE JAGER Arie**

(57) Abstract :

The invention relates to a rudder for maneuvering a ship-like object the rudder comprising a main rudder blade having an upstream end and a downstream end the rudder being rotatably mountable to the ship-like object around a rotation axis that generally extends in a vertical plane. The main rudder blade extends generally upright. The rudder comprises two generally upright extending auxiliary rudder blades connected to the main rudder blade by transverse plates. At least one of the transverse plates is oriented generally obliquely upwards towards a downstream end. The transverse plates thereby follow the orientation of the flow of water below the upwards receding aft body of the ship.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2011

(21) Application No.833/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ASSIST MECHANISM FOR ELECTRICAL PROTECTION DEVICES

(51) International classification	:H01H 71/10, H01H 73/06, H01H 73/00	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI - 400 001, MAHARASHTRA, INDIA. (72)Name of Inventor : <b>1)PRAVIN MHASKAR</b> <b>2)UDIT SHARMA</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A simple, compact and quicker assist mechanism for electrical protection devices is provided. The assist mechanism comprises a housing to house the assist mechanism, a pair of normally opened and a pair of normally closed contacts, a slider attached to the pairs of normally opened and closed contacts, a holding means for providing a positive force to the slider, an actuator connecting the assist mechanism to a thermal assembly, and a trip lever connected to the actuator having a protrusion for initiating the motion of the slider, the trip lever being initiated by the actuator. The assist mechanism enables lower response time without over loading the actuating means.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/04/2012

(21) Application No.895/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HOISTING METHOD AND ASSEMBLY FOR ABANDONING AND/OR RECOVERING AN UNDERWATER PIPELINE FROM A LAYING VESSEL AND LAYING VESSEL EQUIPPED WITH SUCH A HOISTING ASSEMBLY•

(51) International classification	:F16L 1/20
(31) Priority Document No	:MI2009A001639
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Italy
(86) International Application No Filing Date	:PCT/IB2010/002403 :27/09/2010
(87) International Publication No	:WO/2011/036547
(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)SAIPEM S.P.A.

Address of Applicant :Via Martiri di Cefalonia 67 San  
Donato Milanese ITALY

(72)**Name of Inventor :**

1)CHIODINI Carlo

2)MOCERI Liborio

3)HUOT Emmanuel

(57) Abstract :

The invention relates to a method for fixing an additional part (2) consisting of a plastic material, such as a decorative cover, to the periphery of a glazing (1) and especially to part of a profiled rim (3) fixed to the periphery of the glazing (1), said additional part (2) having a rear face (21) comprising fixing means for fixing to said glazing (1) or said profiled rim (3). The invention is characterised in that the rear face (21) comprises a plurality of appendices (22, 22) that each penetrate into a hole (10, 10) in said profiled rim (3) or said glazing (1), and protrude at the two ends thereof onto two respectively opposite faces of the profiled rim (3) or the glazing (1), the distal end (23, 23) of each appendix protruding past a rear face (31) respectively of said profiled rim or said glazing defining the hole (10, 10), and in that each distal end (23, 23) of each appendix is deformed by a temporary softening, preferably by the application of ultrasounds, in order to come into contact with the rear face (31) of said profiled rim or said glazing at the periphery of the hole (10, 10) and preferably over the entire periphery of the hole (10, 10).

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2012

(21) Application No.1294/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THERAPEUTIC USES OF OLIGOMERIC AND POLYMERIC MONOTERPENES

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(51) International classification	:A61K 31/01
(31) Priority Document No	:61/272,737
(32) Priority Date	:28/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000893
Filing Date	:28/10/2010
(87) International Publication No	:WO/2011/051945
(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)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 methods comprising use of oligomeric and polymeric forms of the monoterpene compounds alloocimene, limonene, alpha-pinene, beta-pinene, geranyl acetate, alpha-phellandrene, gamma-terpinene, 3-carene and 2-carene. More particularly, the invention relates to methods of treating degenerative neurological conditions, and treating skin disorders.

No. of Pages : 58 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1489/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SYSTEM AND METHODS FOR GENERATING CHLORINE DIOXIDE

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(51) International classification	:C01B 11/02
(31) Priority Document No	:61/267,142
(32) Priority Date	:07/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059208
Filing Date	:07/12/2010
(87) International Publication No	:WO/2011/071862
(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)BCR ENVIRONMENTAL CORPORATION**

Address of Applicant :3740 St. Johns Bluff Rd. South  
Jacksonville FL 32224 United States of America

(72)Name of Inventor :

**1)MUSSARI Frederick P**

(57) Abstract :

Disclosed herein are embodiments of a chlorine dioxide generating system. The system typically includes a reactor having a reactor volume into which sulfuric acid and sodium chlorite are delivered according to Formula 1 :  $(C_1)(F_1) = C_2$ , wherein  $F_1$  = flow rate of delivery of sodium chlorite to the at least one reactor, volume/time,  $C_1$  = amount of ClO<sub>2</sub> produced per amount of sodium chlorite delivered to reactor; and  $C_2$  = ClO<sub>2</sub> output amount/time; and wherein said reactor volume and  $F_1$  are such so as to provide a contact time between acidifying agent and sodium chlorite in the range of about 0.5 to about 30minutes.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.1490/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : HOT MELT ADHESIVE COMPOSITIONS HAVING GOOD ADHESION ON BOTH POLAR AND NONPOLAR SUBSTRATES

(51) International classification	:C09J 151/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09179940.3	<b>1)SIKA TECHNOLOGY AG</b>
(32) Priority Date	:18/12/2009	Address of Applicant :Zugerstrasse 50 CH-6340 Baar Switzerland
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/069816	<b>1)PASCHKOWSKI Kai</b>
Filing Date	:15/12/2010	<b>2)JANKE Doreen</b>
(87) International Publication No	:WO/2011/073285	
(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 hot melt adhesive compositions comprising a) at least one thermoplastic silane grafted poly- -olefin (P) that is solid at 25°C; and b) at least one reaction product (RP) of a polyisocyanate having an isocyanate-reactive silane (S), wherein the isocyanate-reactive silane (S) comprises exactly one group reactive to an isocyanate group, selected from the group consisting of a hydroxyl group, a mercapto group, and an amino group, and wherein the reaction product comprises a molecular weight Mw of less than 1500 g/mol. Said hot melt adhesives adhere well to both polar and nonpolar substrates, comprise an extended working life even in thin layers, but nevertheless rapidly develop high early adhesion and retain in particular good adhesion, primarily in warm and humid storage areas over a longer period of time.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2012

(21) Application No.1654/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NEGOTIATED CHANNEL INFORMATION REPORTING IN A WIRELESS COMMUNICATION SYSTEM•

(51) International classification	:H04L 12/28
(31) Priority Document No	:60/691,869
(32) Priority Date	:16/06/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2006/023507
Filing Date	:16/06/2006
(87) International Publication No	:WO/2006/138575
(61) 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)HORN Gavin Bernard**  
**2)GILLIES Donald William**

(57) Abstract :

Methods of handing off an access terminal in a meshed wireless system is disclosed. Data that is received by an access point in the meshed wireless system may be routed to an access terminal via a downstream serving access point. The access point may also be configured to communicate a connection state of the access terminal to a target access point if a handoff of the access terminal from the serving access point to the target access point is requested.

No. of Pages : 31 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2012

(21) Application No.965/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : REMOTE MONITORING APPARATUS, WIND TURBINE GENERATOR SYSTEM, AND METHOD OF CONTROLLING REMOTE MONITORING APPARATUS•

(51) International classification	:G06F11/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2011-138031	<b>1)MITSUBISHI HEAVY INDUSTRIES LTD.</b>
(32) Priority Date	:22/06/2011	Address of Applicant :16-5 Konan 2-chome Minato-ku
(33) Name of priority country	:Japan	Tokyo 108-8215 Japan
(86) International Application No	:PCT/JP2011/064295	(72) <b>Name of Inventor :</b>
Filing Date	:22/06/2011	<b>1)Hidekazu ICHINOSE</b>
(87) International Publication No	:WO/2012/176294	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A SCADA system (14) includes a main switching hub (42) and a backup switching hub (44) that relay transmission data between a wind turbine generator (12) and terminals provided in another SCADA system (16) and client terminals (66) and a network switch (46) for performing switching between the main switching hub (42) and the backup switching hub (44) for relaying transmission data between the wind turbine generator (12) and the terminals. A backup remote I/O (48) connected to the backup switching hub (44) causes the network switch (46) to perform switching based on a switching command from a SCADA terminal input via the backup switching hub (44). This serves to solve a data transmission problem caused by a problem in a switching hub on the wind turbine generator side from a remote location.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/05/2012

(21) Application No.1252/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FINE POWDER MANUFACTURING METHOD AND FINE POWDER MANUFACTURED USING SAME

(51) International classification	:B01F7/00, B01J19/00	(71) <b>Name of Applicant :</b> <b>1)MORIROKU CHEMICALS COMPANY LTD.</b> Address of Applicant :1-1 Minami-Aoyama 1-chome Minato-ku Tokyo 1070062 Japan
(31) Priority Document No	:2009-260024	
(32) Priority Date	:13/11/2009	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/JP2010/070238 :12/11/2010	<b>1)NIWA Toshiyuki</b> <b>2)SUGIMOTO Shohei</b> <b>3)DANJO Kazumi</b> <b>4)NISHIO Masaaki</b> <b>5)NAKANISHI Yasuo</b> <b>6)KAWAMURA Sakiko</b>
(87) International Publication No	:WO/2011/059074	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a manufacturing method for a fine powder exhibiting improved solubility, little impurity contamination, and a high recovery rate. Material to be ground and a grinding medium are suspended and stirred in a liquefied inert gas dispersion medium such as dried ice, and the material to be ground is made into a sub-micron or nano-sized fine powder. A uniform fine powder can be obtained when the material to be ground is a mixture having two or more components. Impurity contamination can be reduced by using granular dry ice as the grinding medium.

No. of Pages : 77 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/06/2012

(21) Application No.1550/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : SUSPENSION CONCENTRATE OF A HERBICIDE COMPOSITION

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(51) International classification	:A01N 43/48
(31) Priority Document No	:RU 2010105982
(32) Priority Date	:24/02/2010
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2010/000432
Filing Date	:04/08/2010
(87) International Publication No	:WO/2011/105924
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GARIPOV Yury Aglyamovich**

Address of Applicant :ul. Vechernyaya d. 11 Domodedovo  
Moskovskaya obl. 142000 Russia

**2)KISELEVA Natalia Nikolaevna**

(72)Name of Inventor :

**1)GARIPOV Yury Aglyamovich**

**2)KISELEVA Natalia Nikolaevna**

**3)POLTEV Mikhail Igorevich**

**4)TASHHI Valery Pavlovich**

**5)ZHARKOV Evgeny Konstantinovich**

---

(57) Abstract :

The invention relates to chemical means for combating weeds, specifically to aqueously suspended herbicide compositions based on pyrimidine derivatives, for example sodium 2,6-bis-(4,6-dimethoxypyrimidin-2-yl) hydroxybenzoate, which can be used for treating rice crops. The invention is directed towards producing a novel suspension concentrate of a herbicide composition based on pyrimidine derivatives, said composition having high physico-chemical and operational properties, in particular low surface tension and wetting contact angle values and reduced corrosive activity in relation to structural materials. The above-mentioned technical result is achieved in that the suspension concentrate of the herbicide composition comprises a combination of two agro-chemically active components 2,6-bis-(4,6-dimethoxypyrimidin-2-yl) hydroxybenzoic acid and sodium 2,6-bis-(4,6-dimethoxypyrimidin-2-yl) hydroxybenzoate with carbamide, wherein the molar ratio of carbamide to active substance is 0.93 - 1.79. The suspension concentrate of the herbicide composition comprises a complex salt with carbamide in the presence of hydroxyethylidiphosphonic acid and/or a disodium salt of ethylenediaminetetraacetic acid and at least one of the agro-chemically active components. The surface tension is 32 N/m10-3, the wetting contact angle: initial - 54°, final - 30°, the corrosion rate of carbon steel - 0.00152 g/m<sup>2</sup> hour, and the permeability of the carbon steel - 0.0011 mm/year.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2012

(21) Application No.1640/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : FUEL CELLS

(51) International classification	:H01M 8/18,H01M 8/10	(71) <b>Name of Applicant :</b> <b>1)ACAL ENERGY LIMITED</b> Address of Applicant :THE HEALTH BUSINESS AND TECHNICAL PARK, RUNCORN, CHESHIRE WA7 4QX, GREAT BRITAIN.
(31) Priority Document No	:1003466.8	
(32) Priority Date	:02/03/2010	
(33) Name of priority country	:GB	
(86) International Application No	:PCT/GB2011/050410	(72) <b>Name of Inventor :</b>
Filing Date	:01/03/2011	<b>1)LONGMAN, ROBERT</b>
(87) International Publication No	:H01M 8/20	<b>2)CLARKSON, BRIAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A redox fuel cell comprising an anode and a cathode separated by an ion selective polymer electrolyte membrane; means for supplying a fuel to the anode region of the cell; means for supplying an oxidant to the cathode region of the cell; means for providing an electrical circuit between respective anodes and cathodes of the cell; a catholyte solution comprising at least one catholyte component, the catholyte solution comprising a redox mediator couple; and a regeneration zone comprising a catholyte channel and a porous member having an active surface, the catholyte channel being arranged to direct a flow of catholyte adjacent to or towards the active surface, the means for supplying an oxidant to the cell being adapted to supply the oxidant to the porous member.

No. of Pages : 72 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1610/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : MULTI-CHANNEL BRAIN OR CORTICAL ACTIVITY MONITORING AND METHOD

(51) International classification	:A61B 5/0482
(31) Priority Document No	:12/628,568
(32) Priority Date	:01/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058599
Filing Date	:01/12/2010
(87) International Publication No	:WO/2011/068900
(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)NEUROWAVE SYSTEMS INC.

Address of Applicant :2490 LEE BOULEVARD, STE. 300,  
CLEVELAND HEIGHTS, OHIO 44118, US U.S.A.

(72)Name of Inventor :

1)BIBIAN, STEPHANE

2)ZIKOU, TATJANA

---

(57) Abstract :

The present invention relates to a quantitative electroencephalogram (QEEG) monitor and system capable of monitoring and displaying simultaneously neuropathological characteristic and activity of both sides of a subjects brain. The methods include various indices and examination of differences in these indices by which neurophysiological conditions or problems can be identified and treated. These methods, and the systems and devices using these methods preferably can be used for identifying these neurophysiological conditions or brain dysfunction with monitors and methods for seizure detection, for sedation monitoring, for anesthesia monitoring, and the like. These bilateral brain monitoring methods and systems, and the devices using these methods can be used by individuals or clinicians with little or no training in signal analysis or processing. These bilateral monitoring methods can also be used in a range of applications.

No. of Pages : 85 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.864/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TREATMENT OF MINERALS

(51) International classification	:C22B 3/10, C22B34/24	(71) <b>Name of Applicant :</b> <b>1)THE SOUTH AFRICAN NUCLEAR ENERGY CORPORATION LIMITED</b> Address of Applicant :Pelindaba 0250 District Brits South Africa.
(31) Priority Document No	:2009/06343	
(32) Priority Date	:11/09/2009	
(33) Name of priority country	:South Africa	
(86) International Application No Filing Date	:PCT/IB2010/054067 :09/09/2010	(72) <b>Name of Inventor :</b> <b>1)NEL Johannes Theodorus</b> <b>2)DU PLESSIS Wilhelmina</b> <b>3)CROUSE Philippus Lodewyk</b> <b>4)LE ROUX Johannes Petrus</b> <b>5)RETIEF Nelius Dempers (legal representative of the deceased RETIEF WILLEM Libenberg)</b>
(87) International Publication No	:WO/2011/030301	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A process for treating a feedstock is provided. The feedstock comprises a mineral and/or a metal oxide/silicate derived from or associated with a mineral. The process comprises treating the feedstock by reacting, in a reaction step, the mineral and/or the metal oxide/silicate derived from or associated with a mineral, with an ammonium acid fluoride having the generic formula NH4FxHF, wherein  $1 < x \leq 5$ . An ammonium fluorometallate compound is produced as a reaction product.

No. of Pages : 19 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2012

(21) Application No.1645/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : DEVICE, METHOD AND SYSTEM OF PRICING FINANCIAL INSTRUMENTS

(51) International classification	:G06Q 40/00
(31) Priority Document No	:61/291,942
(32) Priority Date	:04/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/050026
Filing Date	:04/01/2011
(87) International Publication No	:WO/2011/080727
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SUPERDERIVATIVES INC.**

Address of Applicant :7 Times Square Suite 3501 New York  
New York 10036 United States of America

(72)Name of Inventor :

**1)GERSHON David**

(57) Abstract :

Some demonstrative embodiments include methods, devices and systems of pricing financial instruments. In one embodiment, a pricing module may be configured to receive first input data and second input data corresponding to at least one current market condition relating to an underlying asset, and, based on said first and second input data, determine a price of the first option according to a volatility smile satisfying a first criterion relating to a sum of a first correction corresponding to the first option and a second correction corresponding to a second option, wherein the first correction relates to a difference between a theoretical price of the first option and the price of the first option according to the volatility smile, and wherein the second correction relates to a difference between a theoretical price of the second option and the price of the second IS option according to the volatility smile.

No. of Pages : 68 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2011

(21) Application No.3725/MUM/2011 A

(43) Publication Date : 11/10/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION OF APREPITANT

(51) International classification	:A61K 31/535, A61K 31/5355	(71) <b>Name of Applicant :</b> <b>1)GLENMARK GENERICS LIMITED</b> Address of Applicant :B/2, MAHALAXMI CHAMBERS, 22 BHULABHAI DESAI ROAD, MUMBAI-400709, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)NIGHUTE, ASHOK</b>
(33) Name of priority country	:NA	<b>2)CHOPADE, ATUL</b>
(86) International Application No	:NA	<b>3)RANE, ASHISH</b>
Filing Date	:NA	<b>4)SEETHARAMAN, SRITHARAN</b>
(87) International Publication No	:N/A	<b>5)MEHTA, KAMAL</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 pharmaceutical composition comprising a solid solution of aprepitant or pharmaceutically acceptable salts thereof and water insoluble inert pharmaceutical carrier.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/06/2012

(21) Application No.1624/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : LOW TMF EXTRUDED SOAP BARS HAVING REDUCED CRACKING

(51) International classification	:C11D 9/00,C11D 9/22	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :UNILEVER HOUSE, B.D. SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI, 400 099, MAHARASHTRA, INDIA
(31) Priority Document No	:0922649.9	
(32) Priority Date	:29/12/2009	
(33) Name of priority country	:U.K.	
(86) International Application No Filing Date	:PCT/EP2010/069926 :16/12/2010	(72) <b>Name of Inventor :</b> <b>1)ASTOLFI RAFAEL</b> <b>2)CANTO CRISTIANE APARECIDA FURTADO</b> <b>3)LEOPOLDINO SERGIO ROBERTO</b> <b>4)PEDRO ANDRE MESSIAS KRELL</b>
(87) International Publication No	:WO 2011/080101	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A low TFM extruded personal washing bar comprising a continuous phase, said continuous phase being substantially free of water soluble detergent builder and comprising: a. 20% to 50% fatty acid soap, wherein the fatty acid soap comprises less than 39% of an unsaturated fatty acid soap by weight of the fatty acid soap; b. a structuring system comprising: i. from 10% to 45% by weight of the continuous phase of a polysaccharide structurant selected from the group consisting of starch, cellulose and a combination thereof, ii. from 6% to 30% by weight of continuous phase of a polyol selected from the group consisting of glycerol, sorbitol and their mixtures, and iii. 0 to 15% by weight of continuous phase of a water insoluble particulate material; c. 0.5% to less than 3% of an anticracking agent selected from the group consisting of carboxymethylcellulose, polyacrylate polymers and mixtures thereof; d. from 10% to 20% water; wherein the bar has a Cracking Index of 1 or less; and wherein the continuous phase is an extrudable mass having a penetrometer hardness of 3 to 8 Kg and a yield stress of 350 to 2000 kPa measured at a temperature of 40°C.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.985/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND APPARATUSES FOR ESTIMATING TIME RELATIONSHIP INFORMATION BETWEEN NAVIGATION SYSTEMS•

(51) International classification	:G01S 19/33
(31) Priority Document No	:12/612,635
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055304
Filing Date	:03/11/2010
(87) International Publication No	:WO/2011/056876
(61) 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)MORRISON William James**

(57) Abstract :

Methods and apparatuses are provided that may be implemented in various electronic devices to possibly reduce a first-time-to-fix and/or otherwise increase the performance or efficiency of a device by employing a position/velocity estimation process using at least one estimated time relationship parameter.

No. of Pages : 46 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2012

(21) Application No.986/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : TOW ASSEMBLY FOR FIXED WING AIRCRAFT FOR GEOPHYSICAL SURVEYING•

(51) International classification	:G01V 3/165
(31) Priority Document No	:61/254,451
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001655
Filing Date	:21/10/2010
(87) International Publication No	:WO/2011/047472
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GEOTECH AIROBORNE LIMITED**

Address of Applicant :245 Industrial Parkway North Aurora Ontario L4G 4C4 CANADA

(72)Name of Inventor :

**1)MORRISON Edward Beverly**

**2)TOWNSEND Elton**

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(57) Abstract :

A airborne geophysical electromagnetic (EM) survey tow assembly system for use with a fixed wing aircraft, including receiver coil assembly comprising a substantially rigid tubular receiver coil frame forming a continuous internal passageway that extends around a central open area, and a receiver coil housed within the internal passageway; a winch system having a tow cable secured to the receiver coil assembly for extending the receiver coil assembly into a survey position; and a latch system for mounting to an underside of the aircraft having releasable latch members for engaging the receiver coil assembly when the receiver coil assembly is in a retracted position.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/07/2012

(21) Application No.1660/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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

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(51) International classification	:A61M 15/00
(31) Priority Document No	:61/292,401
(32) Priority Date	:05/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US/11/020252
Filing Date	:05/01/2011
(87) International Publication No	:WO 2011/085022
(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)MICRODOSE THERAPEUTX, INC.

Address of Applicant :4262 US ROUTE 1, MONMOUTH JUNCTION, NEW JERSEY 08852, U.S.A.

(72)Name of Inventor :

1)AKOUKA, HENRI, M.

2)BECKER, DANIEL, P.

(57) Abstract :

The present disclosure provides a method and device for delivering a pharmaceutical to the airway of a human or animal patient. In one aspect, the device includes a dose drum formed into a cylinder and including a plurality of dose compartments for containing individual doses. In another aspect, the device may include a reservoir containing a pharmaceutical material in bulk form and a metering recess for metering the pharmaceutical material to form a pharmaceutical dose. Another aspect provides an inhaler with a combined reservoir and dosing chamber configured to contain multiple doses of a pharmaceutical material.

No. of Pages : 44 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1605/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHODS AND SYSTEMS FOR REMOVING FINES FROM HYDROCARBON-CONTAINING FLUIDS

(51) International classification	:B01D 24/10	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/266,423	<b>1)RED LEAF RESOURCES INC.</b>
(32) Priority Date	:03/12/2009	Address of Applicant :200 W. Civic Center Drive Suite 190
(33) Name of priority country	:U.S.A.	Sandy Utah U.S.A.
(86) International Application No	:PCT/US2010/058948	(72) <b>Name of Inventor :</b>
Filing Date	:03/12/2010	<b>1)JAMES W. PATTEN</b>
(87) International Publication No	:WO/2011/069097	
(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 removing fines from a hydrocarbon-containing fluid can include preparing a bed media of particulate earthen material (12). The hydrocarbon-containing fluid having fines therein can be passed through the bed media (12) at a flow rate such that a portion of the fines are retained in the bed media (12) to form a filtered hydrocarbon-containing fluid. The flow rate is sufficient to maintain a wetting film of the hydrocarbon-containing fluid across at least a majority portion of the particulate earthen material which is contacted by the hydrocarbon-containing fluid. The filtered hydrocarbon-containing fluid can be recovered from the bed media (12) via a suitable outlet (16) having substantially reduced or eliminated fines content.

No. of Pages : 17 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2011

(21) Application No.820/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A SYSTEM AND METHOD FOR CONTEXTUAL RESUME SEARCH AND RETRIEVAL BASED ON INFORMATION DERIVED FROM THE RESUME REPOSITORY

(51) International classification	:G06F17/30	(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	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)RAJIV RADHEYSHYAM SRIVASTAVA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GIRISH KESHAV PALSHIKAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer-based system and method for intelligent resume search on online repositories is disclosed. The parameters in the resumes and the attributes related to the said parameters are identified and extracted by scanning the resumes sequentially and are stored in an index file. Search queries are constructed based on accepted query parts as input. The index file is indexed to locate the parameters relevant to the search queries. An initial score is assigned to the parameters located which is transformed to new score based on identifying additional domain intelligence in the derived attributes related to the located parameters. Finally, the resumes relevant to the parameters with the transformed score are retrieved and displayed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/07/2012

(21) Application No.1650/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : NOVEL PHENOL DERIVATIVES, AND PHARMACEUTICAL OR COSMETIC USE THEREOF

(51) International classification	:C07D 213/74
(31) Priority Document No	:0959476
(32) Priority Date	:23/12/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/052872
Filing Date	:22/12/2010
(87) International Publication No	:WO/2011/077044
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GALDERMA RESEARCH & DEVELOPMENT**

Address of Applicant :2400 ROUTE DES COLLES LES  
TEMPLIERS, 06410 BIOT France

(72)Name of Inventor :

**1)POINSARD, CEDRIC**

**2)COLLETTE, PASCAL (DECEASED)**

**3)MAUVAIS, PASCALE**

**4)LINGET, JEAN-MICHEL**

**5)RETHORE, SANDRINE**

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(57) Abstract :

The invention relates to novel compounds having general formula (I) and the cosmetic or pharmaceutical use thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2011

(21) Application No.838/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : A NOVEL PROCESS FOR PREPARATION OF POLYSACCHARIDES

(51) International classification	:A61K 31/70, A61K 47/36	(71) <b>Name of Applicant :</b> <b>1) Serum Institute of India Ltd.</b> Address of Applicant :212/2 Off Soli Poonawalla Road Hadapsar Pune 411 028 Maharashtra India.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1) KAPRE Subhash Vinayak</b>
(33) Name of priority country	:NA	<b>2) JANA Swapna Kumar</b>
(86) International Application No Filing Date	:NA	<b>3) JOGLEKAR Tushar Dnyaneshwar</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A novel alcohol and CTAB free process for purification of capsular polysaccharides ,wherein the C-polysaccharide, protein,nucleic acid content of the purified polysaccharide is substantially reduced The said process is cost efficient and less laborious.

No. of Pages : 44 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2011

(21) Application No.822/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : AN ADJUSTABLE TWIST BEAM OF A VEHICLE AND METHOD THEREOF

(51) International classification	:B60G21/05, B60G21/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SANTOSH K SINGH</b>
(87) International Publication No	: NA	<b>2)KIRAN KOLHE</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 disclosure provides an adjustable twist beam of a vehicle comprising; a pivot bracket adapter plate mounted on chassis of the vehicle, and plate comprises plurality of holes; pivot bracket pivoted to the pivot bracket adapter, and said bracket comprises plurality of holes matching holes of pivot bracket adapter plate for fastening pivot bracket at predetermined angle; trailing arm adapter having sleeve and plurality of holes is pivoted to pivot bracket; and trailing arm mounted on trailing arm adapter at predetermined angle by matching holes of trailing arm adapter bracket; first plate having tooth at its end is joined to trailing arm on its top edge; and second plate mounted on side face of trailing arm, said plate comprises tooth on its top surface matching the tooth of first plate and plurality of slots on its face for fastening the second plate with the trailing arm.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2011

(21) Application No.835/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : THERMAL OVERLOAD PROTECTION FOR CIRCUIT BREAKERS

(51) International classification	:H01H 77/04, H01H 75/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 State of MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)OCHANI Deepak M.;</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses thermal overload protection for circuit breaker. A current carrying strip acts as conductor as well as heater for indirect heating of the bimetal placed directly on the said strip. The screw placed on C clamp moves upward towards the direction of trip bar and hits the trip bar which is free to be rated about axis. The distance between the screw and the actuator decides the tripping threshold of the circuit breaker. The distance between the mating point of actuator and screw can be varied by moving the trip bar. When the trip bar is moved towards left, the distance between the actuation point of actuator and screw is increased. The deflection required to trip the circuit breaker is higher and accordingly more current is required to trip the circuit breaker. The present invention converts any higher range circuit breaker in to thermally protected circuit breaker with ease.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1609/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING A VEHICLE CRUISE CONTROL

(51) International classification	:B60K31/00, B60T8/32
(31) Priority Document No	:PCT/EP09/008507
(32) Priority Date	:30/11/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2009/008507
Filing Date	:30/11/2009
(87) International Publication No	:WO/2011/063823
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VOLVO LASTVAGNAR AB**

Address of Applicant :S-405 08 GOETEBORG, Sweden

(72)Name of Inventor :

**1)BJERNETUN, JOHAN**

**2)ERIKSSON, ANDERS**

(57) Abstract :

Method and cruise control system comprising a control unit arranged for maintaining a vehicle set target speed (vcc set target speed), characterized in that said control unit is programmed to: register a first parameter, which is vehicle gross weight, and a second parameter, which is current road inclination; based on said registered first and second parameters adjust a set vehicle overspeed (vbcc) for a brake cruise control in said cruise control to a new value (vbcc flex). The benefit is that a vehicle speed increase resulting in a vehicle speed that exceeds vbcc due to delays in the cruise control and braking devices can be avoided.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1614/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : USING A DISPLAY TO SELECT A TARGET OBJECT FOR COMMUNICATION•

(51) International classification	:G06K 9/00
(31) Priority Document No	:12/685,923
(32) Priority Date	:12/01/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/021015
Filing Date	:12/01/2011
(87) International Publication No	:WO/2011/088139
(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)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)GUM Arnold Jason**

(57) Abstract :

A handheld mobile device with camera is used to capture an image containing target objects. The target objects are displayed and selected. The mobile device initiates communication with the selected target object.

No. of Pages : 43 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2012

(21) Application No.1615/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : ALKALI-CARBONATE-BASED CARBON DIOXIDE ABSORBENT CONTAINING ADDED STERICALLY HINDERED CYCLIC AMINES&NBSP; AND METHOD FOR REMOVING CARBON DIOXIDE REMOVING USING SAME

(51) International classification	:B01J 20/22
(31) Priority Document No	:10-2009-0131571
(32) Priority Date	:28/12/2009
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2009/007893 :29/12/2009
(87) International Publication No	:WO/2011/081228
(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)KOREA INSTITUTE OF ENERGY RESEARCH

Address of Applicant :71-2 Jang-dong Yuseong-gu Daejeon  
302-804 Republic of Korea

(72)Name of Inventor :

1)YOON Yeo-II

2)NAM Sung-Chan

3)KIM Young-Eun

4)BAEK Il-Hyun

5)PARK Sang-Do

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(57) Abstract :

The present invention relates to a carbon dioxide absorbent, and more particularly, to an alkali-carbonate-based carbon dioxide absorbent containing added sterically hindered cyclic amines, and to a method for removing carbon dioxide using same. By adding sterically hindered cyclic amines to an alkali carbonate material, the rate of carbon dioxide absorption is increased, renewable energy is reduced, and salt production and phase separation do not occur.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2011

(21) Application No.849/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : PHOTO-VOLTAIC ARRAY FED SWITCHED CAPACITOR DC-DC CONVERTER BASED BATTERY CHARGING FOR LI-ION BATTERIES

(51) International classification	:H02J7/00, H02J 1/00	(71) <b>Name of Applicant :</b> <b>1)Indian Institute of Technology Bombay</b> Address of Applicant :Powai Mumbai 400076 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	
(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)AGARWAL Vivek</b> <b>2)PETER Pradeep K.</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 :

Technologies generally described herein relate to a cell balancing and charging scheme for a serially coupled Li-Ion battery pack supported by a photovoltaic cell array power source. A switched capacitor DC-DC converter and a cell monitoring approach may be used to charge and cell balance the battery pack. When one of the cells falls below a predefined voltage, a capacitor (charged by the photovoltaic array) may supply current to bring the voltage to the predefined point. Continuous monitoring for the cells during charging and discharging may ensure cell voltage changes beyond the predefined limit are detected timely. Cell balancing may be performed even in the absence of photovoltaic (PV) array illumination.

No. of Pages : 49 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/06/2012

(21) Application No.1599/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : IMPROVED DIGESTION OF BIOSOLIDS IN WASTEWATER

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(51) International classification	:C02F 11/04
(31) Priority Document No	:61/290,082
(32) Priority Date	:24/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/062106
Filing Date	:24/12/2010
(87) International Publication No	:WO/2011/079318
(61) Patent of Addition to Application Number	:NA Filing Date :NA
(62) Divisional to Application Number	:NA Filing Date :NA

---

(71)**Name of Applicant :**

**1)BCR ENVIRONMENTAL CORPORATION**

Address of Applicant :3740 St. Johns Bluff Rd. South  
Jacksonville FL 32224 United States of America

(72)**Name of Inventor :**

**1)MUSSARI Frederick P**

(57) Abstract :

A method enhancing biological digestion of wastewater sludge is provided. The method uses chlorine dioxide to accelerate and improve the efficiency of aerobic or anaerobic digestion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2011

(21) Application No.847/MUM/2011 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : COMPACTOR TYPE PARKING SYSTEM

(51) International classification	:E04H 6/18, G07B15/04	(71) <b>Name of Applicant :</b> <b>1)PRECISION AUTOMATION AND ROBOTICS INDIA LTD.</b> Address of Applicant :NARHE WORKS S/NO. 38/2, VILLAGE NARHE, OFF. PUNE SINHGAD ROAD, PUNE-411 041, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DATE RANJIT ARUN</b>
(33) Name of priority country	:NA	<b>2)OZA GOVIND GHANSHYAM</b>
(86) International Application No Filing Date	:NA	<b>3)JOSHI ADITYA KRISHNA</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 :

An automatic vehicle parking system includes a platform storage, a plurality of empty mobile platforms, a storage structure, a drive mechanism and control means. The plurality of empty mobile platforms are stacked inside the platform storage. Each mobile platform receives a vehicle to define a loaded configuration, each mobile platform provided with stoppers for securely holding the vehicle thereon in the loaded configuration thereof. The storage structure includes atleast one floor, the floor receives a loaded mobile platform. The drive mechanism facilitates moving of the loaded mobile platform over the floor with respect to already positioned loaded mobile platforms. The control means senses an empty location on the floor and positions the loaded mobile platform on the floor with respect to already positioned loaded mobile platforms for optimizing space between adjacent loaded mobile platforms, thereby facilitating compact parking of the vehicles supported on platforms.

No. of Pages : 30 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/04/2012

(21) Application No.857/MUMNP/2012 A

(43) Publication Date : 11/10/2013

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(54) Title of the invention : USE OF CERTAIN CHEMICAL ELEMENTS FOR INHIBITING THE FORMATION OF PRECIPITATES CONTAINING ZIRCONIUM MOLYBDATE IN AN AQUEOUS SOLUTION CONTAINING THE ELEMENT MOLYBDENUM AND THE ELEMENT ZIRCONIUM

(51) International classification	:G21C 19/46,G21F 9/06	(71) <b>Name of Applicant :</b> <b>1)COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES</b> Address of Applicant :25 RUE LEBLANC BATIMENT LE PONANT D, 75015 PARIS, France
(31) Priority Document No	:0957590	<b>2)AREVA NC</b>
(32) Priority Date	:28/10/2009	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:France	<b>1)MAGNALDO, ALASTAIR</b>
(86) International Application No Filing Date	:PCT/EP2010/066212 :27/10/2010	
(87) International Publication No	:WO/2011/051311	
(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 the use of a chemical element selected from plutonium, tellurium, antimony and the mixtures thereof, for inhibiting the formation of a zirconium molybdate precipitate in an aqueous solution containing the element molybdenum and the element zirconium.

No. of Pages : 18 No. of Claims : 13

***CONTINUED TO PART- 2***