# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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DATE: 13/02/2015

## 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

13<sup>th</sup> FEBRUARY, 2015

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# THE PATENT OFFICE KOLKATA, 13/02/2015

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	Fax: (91)(22) 24123322		Fax : (91)(44) 2250 2066
	E-mail: cgpdtm@nic.in		E-mail: <u>chennai-patent@nic.in</u>
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2	The Patent Office,		
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	Mumbai – 400 037		CP-2, Sector -V, Salt Lake City,
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	<ul> <li>♣ The States of Gujarat, Maharashtra, Madhya</li> </ul>		Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988
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	Fax: (91)(11) 2808 1920 & 2808 1940		
	E.mail: <u>delhi-patent@nic.in</u>		
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	Uttaranchal, Delhi and the Union Territory of		
	Chandigarh.		
	Chandigain.		

Website: <u>www.ipindia.nic.in</u> 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 13/02/2015 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 है:-

1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प	4	पेटेंट कार्यालय, भारत सरकार
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	एंटोप हिल डाकघर के समीप,		बौद्धिक संपदा भवन,
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
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	ई. मेल: Mumbai-patent@nic.in		फ़ैक्स:/Fax: (91)(33) 2367 1988
	<ul> <li>गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़</li> </ul>		ई. मेल: kolkata-patent@nic.in
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	दादर और नगर हवेली.		<ul><li>भारत का अवशेष क्षेत्र</li></ul>
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	फोन: (91)(11) 2808 1921-25		
	फ़ैक्स: (91)(11) 2808 1920, 2808 1940		
	ई. मेल: delhi-patent@nic.in		
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	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		
	<b>\</b>	-	

वेबसाइटः http://www.ipindia.nic.in www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद 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 जहाँ उपयुक्त कार्यालय स्थित है।

## **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.8/- 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 there is no third party representation.

#### **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.4035/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/12/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: OPTIMIZED WEB BASED MEDICAL IMAGE RETRIEVAL SYSTEM USING FUZZY CONNECTEDNESS IMAGE SEGMENTATION WITH GEOMETRIC MOMENTS (FCISGM) AND LOCALIZED ENTROPY BASED IMAGE RETRIEVAL (LEBIR).

:G06F	7/00,   (71) <b>Name of Applicant :</b>
(51) International classification G06F1	7 7
A61B5	Address of Applicant :Prakashdeep , Lane 7, Yashoda Nagar
(31) Priority Document No :NA	No. 2, Amravati 444606 Maharashtra (India)
(32) Priority Date :NA	(72)Name of Inventor:
(33) Name of priority country :NA	1)Amol Prakash Bhagat
(86) International Application No :NA	2)Mohammad Atique
Filing Date :NA	
(87) 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 an method and system which retrieves a medical image serving as a reference for the interpretation of a medical image. One implementation of the system includes an image acquisition subsystem configured to acquire medical images, an image analysis subsystem configured to analyze each acquired medical image and associate one or more descriptors with each acquired medical image based on the analysis, a database configured to store the acquired medical images and associated descriptors, and a query tool configured to search the database using descriptors. Following invention is described in detail with the help of Figure 1 of sheet 1 which shows the the schematic representation of the overall process used for providing diagnosis to patient by using the current patient image captured by medical imaging device.

No. of Pages: 15 No. of Claims: 5

(21) Application No.3631/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/11/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: AN IMPROVED TUBE/PIPE BENDING DEVICE

(WEST), SURAT 394510,GUJARAT Gujarat India (72)Name of Inventor:  1)MR. PANKAJ PATEL
2)MR. KEYUR PAREKH

#### (57) Abstract:

An improved tube or pipe bending device (1) provides 1D bending of tube (6) without heating. 1D bending means bending radius to tube (6) diameter ratio is 1 for different sizes of tube (6). An improved tube or pipe bending device (1) mainly comprises of: Bend die \(\frac{1}{2}\) Pressure die (3) Clamp die (4) Booster die (5)

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

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: DIGITALLY CONTROLLED REGULATED POWER SUPPLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G05F1/62, G05F1/10 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RAVINDRA CHANDRABHAN THOOL Address of Applicant:204, SHRI SAI APARTMENT, NEAR NEHRU ENGLISH SCHOOL, NANDED-431605, MAHARASHTRA, INDIA 2)CHETAN RAJESH SOLANKI 3)SATISH ROHIDAS PAWALE 4)RAHUL NARAYAN DHOLE 5)VISHAL SHIVAJI UNDRE (72)Name of Inventor: 1)SATISH ROHIDAS PAWALE 2)CHETAN RAJESH SOLANKI 3)RAVINDRA CHANDRABHAN THOOL 4)VISHAL SHIVAJI UNDRE 5)RAHUL NARAYAN DHOLE
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#### (57) Abstract:

In Traditional Power supply the voltage is varied by varying the potentiometer by means the accuracy get decreased. But for more accuracy and more safety this idea introduced the Digitally Controlled Regulated Power Supply. The idea involves to control output digitally. The input to the microcontroller given through keypad. Enter the required value of voltage through keypad this system will give required output voltage.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: PAPER PRINTED STRETCH BLOW IN-MOLD LABELING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B29C49/22, B29L22/00 :NA :NA :NA	(71)Name of Applicant:  1)MR. KIRAN M. SHAH  Address of Applicant:802/803, PARK SIDE-2 RAHEJA ESTATE, KULUPWADI, LANDMARK NEAR NATIONAL PARK BORIVALI EAST, MUMBAI-400066 Maharashtra India
(86) International Application No	:NA	2)MRS. PIYALI SARKAR BHOWMIK
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. KIRAN M. SHAH
(61) Patent of Addition to Application Number	:NA	2)MRS. PIYALI SARKAR BHOWMIK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In accordance with an aspect of the present invention, a process for paper printed stretch blow in mold labeling is provided. The process includes providing a paper printed stretch blow in mold label, wherein the paper printed stretch blow in mold label includes a paper or plastic, a ink layer of a required design at one side of the paper or plastic and a heat sealable coating layer another side of the paper or plastic. The process further includes a mold with a moid cavity wherein, the mold cavity has an inner surface where the paper printed stretch blow in mold label is placed with a preform, wherein placing includes, but not limited to at least one of robotic placing or manual placing. The process also includes blowing the preform to acquire a required shape and to fuse the paper printed stretch blow in mold label on an outer surface of the required shape. The process then includes cooling of the mold and ejecting the required shape with sealed paper printed stretch blow in mold label.

No. of Pages: 21 No. of Claims: 8

(21) Application No.183/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/01/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: AUDIO GUIDE.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G01S15/88, G01S7/521 :NA :NA :NA :NA	(71)Name of Applicant:  1)PRAJAKTA LAXANE  Address of Applicant: PLOT NO. 177, BHAUSAHEB  SURVEY NAGAR, JAITALS ROAD CROSSIING, RING  ROAD - 440 022. Maharashtra India  2)NITHYA VARGHESE  2)SURDEET HINELA
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	: NA : NA : NA : NA : NA : NA	3)SUPREET JUNEJA (72)Name of Inventor: 1)PRAJAKTA LAXANE 2)NITHYA VARGHESE 3)SUPREET JUNEJA

#### (57) Abstract:

Audio Guide is a ultrasonic sensor based detection module designed for the visually impaired people. So far the modules for the blind was based on a stick or used Infra red sensors which could easily penetrate through any transparent material. Audio guide uses Ultrasonic sensor and makes and detects each type of material easily and alerts the person with a tone depending on the type of obstacle. The entire module is designed on a belt which makes it unique.

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

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: METHOD AND SYSTEM FOR CONTROLLING DISPLAY OF CONTENT TO USER

(71) I	02	(71)
(51) International classification	:g02c	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(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)Name of Inventor:
Filing Date	:NA	1)MANJUNATHA MURTHY
(87) International Publication No	: NA	2)ASWATH FAZIL KHAN SABUDEEN
(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 a method and a system for controlling display of content to user. In one embodiment, an input image of the user is captured and processed to detect the presence of spectacles in the input image. On detecting the absence of spectacles, the content available for display is processed to identify readable and non-readable content and refractive error correction factor for the non-readable content is determined. Based on the determined refractive error correction factor, the display of both the readable and non-readable content is controlled and the content is displayed.

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

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 13/02/2015

# (54) Title of the invention : AN EFFICACIOUS MARINE PLANT - DERIVED IMMUNOSTIMULANT FOR PREVENTING DISEASES IN CARPS AND OTHER FISHES IN AQUACULTURE

(51) International classification	:a61k (71)Name of Applicant : 36/00 1)THE REGISTRAR
(31) Priority Document No	:NA Address of Applicant :VELS UNIVERSITY, VELAN
(32) Priority Date	:NA NAGAR, VAITHIYALINGAM ROAD, PALLAVARAM,
(33) Name of priority country	:NA   CHENNAI-600 117 Tamil Nadu India
(86) International Application No	:NA (72)Name of Inventor :
Filing Date	:NA 1)DR. R. DINAKARAN MICHAEL
(87) International Publication No	: NA <b>2)MS. PRIYATHARSINI RAJENDRAN</b>
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

#### (57) Abstract:

Increasing intensity of fish production in many regions, extensive inter-regional transport of fries, fingerlings and fishes, and the adverse effects of antibiotics and other chemicals, call for the intense research on the prevention of fish diseases. In the context of unavailability of efficacious and affordable vaccines for number of fish diseases, a relatively new and promising area of research is immunostimulants for increasing the disease resistance of fish. An Immunostimulant by definition is a drug or chemical that elevates the nonspecific immune mechanisms and specific immune responses (the latter, if the treatment is followed by infection or vaccination). The present invention is the development of an efficacious immunostimulant from a marine plant which can be used as an immunoprophylactic for culture fishes. An immunostimulant is an effective alternative to antibiotics and even the fish vaccines. Fish vaccines may be very expensive to the fish farmers because of the number of vaccines needed and also the cost of labourintensive vaccination process. Immunostimulant when used as a therapeutic, can also effectively replace the adverse antibiotics which not only pollutes the environment but also leads to the development of resistant bacterial strains. The present invention was made by extracting the marine macroalga (seaweed) (CFI-MA 04) (selected after screening the crude extracts of many species of macrolagae for disease resistance on experimental challenge with a virulent bacterial pathogen) with alcohol and separating various classes of compounds from the alcohol extract using internationally accepted biochemical separation methods followed by testing the various fractions for immunstimulatory and disease protecting (resistance) properties and selecting the fraction which exhibits maximum immunostimulatory and disease resistance properties as the candidate immunostimulant product. The product invented is very efficacious and is intended to be used as a prophylactic (enhancing the disease resistance of fish) in health management in finfish aquaculture. The product can also be used as a therapeutic after the fishes are infected by microbial pathogens.

No. of Pages: 19 No. of Claims: 4

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 13/02/2015

# (54) Title of the invention : AFLATOXIN TEMPLATES, MOLECULARLY IMPRINTED POLYMERS, AND METHOD OF MAKING AND USING THE SAME

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number  SNA (88) International Publication No SNA SNA SNA SNA SNA	(71)Name of Applicant:  1)Alltech, Inc Address of Applicant: 3031, Catnip Hill Road, Nicholasville, Kentucky- 40356 USA U.S.A. (72)Name of Inventor: 1)Alexandros Yiannikouris 2)Thirupathi R. Yerramreddy 3)Joshua J. Martinez 4)Jeffrey R Withers
Filing Date :NA	

#### (57) Abstract:

Molecularly imprinted polymers (MIPs) are materials exhibiting molecular recognition of a target molecule. MIPs are synthesized in the presence of an aflatoxin template, a mimic to the targeted molecule, used as an imprint that is further washed away with suitable solvent after completion of the polymerization process, leaving a cavity in the polymer of the same stereochemistry, functionality and morphology to the template. When the MIP encounters an aflatoxin, the molecule is bound in the cavity with a receptor-like affinity.

No. of Pages: 68 No. of Claims: 42

(22) Date of filing of Application :30/01/2015 (43) Publication Date : 13/02/2015

## (54) Title of the invention : METHODS FOR OPTIMIZING AN AUTOMATED DETERMINATION OF A RISK RATING OF CYBER-ATTACK AND DEVICES THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant: 1)WIPRO LIMITED Address of Applicant :Doddakannelli, Sarjapur Road,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>		Bangalore 560035, Karnataka, India. (72)Name of Inventor:
Filing Date	:NA	1)ARUN WARIKOO
(87) International Publication No	: NA	2)BHARAT SHETTY
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SUROOP MOHAN CHANDRAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This technology extracts threat data in real time from received incident data on each of one or more current cyber-attacks. Classified data associated with one of a plurality of prior cyber-attacks is retrieved in real time based on the extracted threat data for each of the cyber-attacks. One of a plurality of risk priorities for each of the cyber-attacks is determined in real time based on a calculated risk rating value for each of the cyber-attacks. One of a plurality of automated resolutions for each of cyber-attacks may be identified based on the retrieved classified data. The identified one of the plurality of automated resolutions for each of the cyber-attacks may automatically executed in an order based on the determined one of the plurality of risk priorities for each of the cyber-attacks. FIG. 1

No. of Pages: 34 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :03/02/2015

(21) Application No.531/CHE/2015 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: RGM RECIPROCATING GEAR MECHANISM RECIPROCATING GEAR MECHANISM IS CAPABLE OF CONVERTING RECIPROCATING TO ROTARY MOTION AND VICE VERSA. THIS IS ADVANCED FORM OF THE RACK AND PINION MECHANISM. A PECULIAR TYPE OF GEAR IS USED FOR CONVERSION AND THIS WILL GIVE MORE EFFICIENCY THAN THE EXISTING SLIDER CRANK MECHANISM. THIS CAN BE APPLIED AS AN ALTERNATE FOR WHITWORTH QUICK RETURN MECHANISM.

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)VIVEK. S.A
(32) Priority Date	:NA	Address of Applicant :KARTHIKA, THENGUNATTAVILA,
(33) Name of priority country	:NA	KATTACHALKUZHI POST, THIRUVANANTHAPURAM -
(86) International Application No	:NA	695501 Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIVEK. S.A
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A gear system which is capable of converting reciprocating to rotary motion is proposed here. A mechanism is something which. transforms (changes); an input force and motion into an output force and motion. Some of the main motion converting mechanisms are gear mechanism, slider crank mechanism, rack and pinion mechanism, etc. A rack and pinion gear arrangement converts rotary motion from a pinion to linear motion of a rack. The gear system proposed here converts rotary motion to reciprocating motion.

No. of Pages: 23 No. of Claims: 26

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 13/02/2015

## (54) Title of the invention : METHOD AND SYSTEM FOR PERFORMING SECURE I/O OPERATION IN A PLUGGABLE FLASH STORAGE DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:g11C :NA :NA	(71)Name of Applicant:  1)WIPRO LIMITED  Address of Applicant: Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MADHUKAR GUNJAN CHAKHAIYAR
(87) 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 disclosure relates to a method and a system for performing secure read/write operations in the pluggable flash storage device. In one embodiment, a request for at least writing and reading of data in/from the pluggable flash storage device is received. Upon receiving the request for writing data, the storage device is authenticated based on a predetermined signature of the pluggable flash storage device. Upon authenticating the storage device, the at least one of user and the storage controller who made the request is also authenticated and write operation is performed based on successful authentication of the at least one of the user and the storage controller. By way of establishing secure communication between the storage device and the user or the storage controller during the read/write operation the hacking of the data in the storage device or use of the storage device with wrong intent is avoided.

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

(22) Date of filing of Application :28/01/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: A SEVEN-WHEEL TAKE UP MECHANISM FOR HANDLOOMS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:d03d :NA :NA	(71)Name of Applicant:  1)Prof. Dr. J. Hayavadana  Address of Applicant: Professor & Head, Dept. of Textile
(32) Thorny Date (33) Name of priority country		Technology, University College of Technology, Osmania
(86) International Application No		University, Hyderabad-500007, Telengana, India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Prof. Dr. J. Hayavadana
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a seven-wheel take up mechanism 100 designed for handlooms that eases the operation of the handlooms increasing the efficiency of the weavers. It also ensures uniform pick spacing and gives flexibility to set the desired pick spacing, as in power looms. The seven-wheel take up mechanism 100 is actuated by an actuating mechanism that swings a monkey tail lever 102, wherein the swinging motion engages a pulling pawl 108 with a ratchet wheel 110. The rotation of the ratchet wheel 110 drives the standard wheel 112 that further drives a pick wheel 114, a pick wheel pinion 116, a stud wheel 118, a stud wheel pinion 120 and a beam wheel 122. The beam wheel 122 is connected to a beam roller 204 that takes up the woven fabric 202 and passes it on to the cloth roller 208 through a nip roller 206.

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

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR ENABLING AND PERFORMING SERVICES AND FUNCTIONALITIES ACROSS DEVICE TYPES AND SERVICE PROVIDERS WITHIN A COMMUNICATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G06F :NA :NA :NA :NA	(71)Name of Applicant:  1)Saankhya Labs Pvt Ltd Address of Applicant: 2353/1-4, Dolphin 3rd Floor, Hennur Main Road, Kacharakanahalli Bangalore - 560 043, Karnataka, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Parag Naik
(61) Patent of Addition to Application Number	:NA	2)Vivek Kimbahune
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for enabling services and functionalities across device types and service providers within a communication device includes processing a first device function type, a first service type, and a first cost function from the device, obtaining a first firmware and communicating the first firmware to the communication device for execution, activating a first service enabling instructions to enable a first service and a first functionality associated with the first firmware when the first firmware is executed on the communication device, processing a second device function type, a second service type, and a second cost function from the device, obtaining a second firmware to be executed on the device, communicating the second firmware to the device, and activating a second service enabling instructions to enable a second service and a second functionality associated with the second firmware when the second firmware is executed on the device.

No. of Pages: 54 No. of Claims: 17

(22) Date of filing of Application :07/02/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: A TOOTHBRSUH HAVING MULTIPLE CHANGEABLE CONVEX ANGLES

(71) I	4.01	(71) 1
(51) International classification	:a46b	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VUDEPU DURGA PRASAD
(32) Priority Date	:NA	Address of Applicant: 14-86, VEENAPANI NAGAR,
(33) Name of priority country	:NA	MIRJALGUDA, MALKAJGIRI, HYDERABAD-500047,
(86) International Application No	:NA	TELANGANA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VUDEPU DURGA PRASAD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a toothbrush comprising: a toothbrush neck and a toothbrush handle; a toothbrush head provided at a front part of the toothbrush neck and the toothbrush handle attached to a back part of the neck; a plurality of tufts on the toothbrush head and the each tuft comprising a multiplicity of bristles and the bristles are hair like end loop bristles and thread like bristles and the tufts are arranged on the head of the toothbrush like straight and zigzag; two or more joints of the toothbrush forming two or more convex angles and the joints are narrow, hinge joint, and hook like; a hole includes in the handle and the hole with internal threading to fix one or more tufts.

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

(21) Application No.562/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: COCKPIT INTERNAL ANTI-SABOTAGE SYSTEM (CIASS)

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:b64d :NA :NA	(71)Name of Applicant:  1)AMARDEEP SINGH SARAI  Address of Applicant: B-803, Alder Tower, Godrej
(33) Name of priority country	:NA	Woodsman Estate, Bellary Road, Hebbal, Bangalore, Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)AMARDEEP SINGH SARAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cockpit internal anti-sabotage system (CIASS) without compromising the cockpit security and the present anti-hijacking procedure and protocol, wherein a single cockpit crew alone in the cockpit cannot deny bonafide entry of other cockpit crew or cabin crew in an attempt to commit suicide or sabotage the aircraft, the system comprises a manual door lock system and an automated door lock system wherein both the systems comprising a mechanical system or a non-mechanical system or combination of both.

No. of Pages: 34 No. of Claims: 45

(22) Date of filing of Application :27/11/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: HEMOSTATIC DEVICE TO BE UTLIZED FOR POST PARTUM HEMORRHAGE

(51) International classification	:a61M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. T.N VASUDEVA PANICKER
(32) Priority Date	:NA	Address of Applicant :SOPANAM WEST NADA,
(33) Name of priority country	:NA	KODUNGALLUR, THRISSUR - 680 664 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. T.N VASUDEVA PANICKER
(87) 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 device comprises of commercially available 60 ml vacuum syringe attached to an 11mm plastic or metal cannula of 24cm in length with multiple holes at the distal of 6cm for preventing and treating post-partum haemorrhagei.e excess bleeding from the uterine cavity after delivery of the new born babies. The cannula is introduced into the uterine cavity to reach the funds. Negative Pressure is produced and attached to the open end of the cannula. This negative pressure created inside the cannula will stop all the bleeding from the uterine cavity and thus preventing post-partomhaemorrhage. This is a life saving device and can be used by all Gynecologist even in the peripheral set up and also by other ANMS conducting delivery.

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

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: AN EMERGENCY EXIT ARRANGEMENT OF A VEHICLE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (81) Patent of Addition to Application Number  SNA (82) Priority Document No SNA (83) Name of priority country SNA (84) International Publication No SNA (85) Patent of Addition to Application Number SNA	(71)Name of Applicant: 1)ASHOK KUMAR BHUKYA Address of Applicant: C/o Vishnu Naik, Peddathanda Village, Gundrathi Madugu Post, Kurai Mandal, Warangal Dist, Telangana-506101, India. Telangana India (72)Name of Inventor: 1)ASHOK KUMAR BHUKYA
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

#### (57) Abstract:

Exemplary embodiment of the present disclosure is directed towards an emergency exit arrangement of a vehicle. The emergency exit arrangement includes one or more exit body segment panels positioned between an upper body portion and lower body portion of the vehicle configured to operate in dual mode, one or more beams positioned between the lower body portion of the vehicle and a roof line configured to support the one or more exit body segment panels, one or more shockers positioned between the one or more exit body segment panels without space for providing a secure to the vehicle and a locking socket configured to lock and unlock the one or more exit body segment panels.

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

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR MAPPING OBJECT CO-ORDINATES FROM A VIDEO FRAME VIEW TO REAL WORLD CO-ORDINATES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant:  1)WIPRO LIMITED  Address of Applicant: Doddakannelli, Sarjapur Road,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>		Bangalore 560035, Karnataka, India. (72)Name of Inventor:
Filing Date	:NA	1)AKASH GUPTA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KRUPAL CHANDRESH MODI 4)AKBAR ABDULMALIK LADAK
(62) Divisional to Application Number	:NA	4)AKDAK ADDULMALIK LADAK
Filing Date	:NA	

#### (57) Abstract:

This disclosure relates generally to video analysis, and more particularly to systems and methods for mapping object co-ordinates from a video frame view to real world co-ordinates using perspective transformation. In one embodiment, a processor-implemented video frame coordinate transformation method is disclosed. The method may include obtaining an image from an image capture device and identifying, via one or more hardware processors, an object depicted in the image. Further, the method may include determining image-frame object coordinates for the object, and selecting one of a plurality of coordinate transformation matrices associated with the image capture device, based on the image-frame object coordinates for the object. Also, the method may include calculating, via the one or more hardware processors, real-world object coordinates for the object using the image-frame coordinates and the selected coordinate transformation matrix, and determining a trajectory of the object using the calculated real-world object coordinates.

No. of Pages: 29 No. of Claims: 17

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: SYSTEM AND METHOD FOR NAVIGATING BETWEEN USER INTERFACE SCREENS

(51) International classification	:g06f	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(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)Name of Inventor:
Filing Date	:NA	1)ARNAB GANGULY
(87) 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:

Embodiments of the present disclosure disclose a method for navigating between a plurality of user interface screens displayed on a display unit of a system. The method comprises sensing a touch pattern received from a user on a displayed user interface screen of the plurality of user interface screens of the system. Then, a touch force, duration and location of the touch pattern are determined. The system performs at least one of replacing the displayed user interface screen with a user interface screen from among the plurality of user interface screens stacked subsequent to the displayed user interface screen. The system performs merging one or more elements of the plurality of user interface screens with one or more displayed elements of the displayed user interface screen. The system performs toggling sequentially between each of the plurality of user interface screens.

No. of Pages: 41 No. of Claims: 18

(21) Application No.5689/CHE/2014 A

(19) INDIA

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: BUILDING QUALITY ANALYZER AND A LIFE PREDICTOR TO AVOID COLLAPSE /DISASTER

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	, .
(32) Priority Date	:NA	Address of Applicant :KARPAGAM COLLEGE OF
(33) Name of priority country	:NA	ENGINEERING, MYLERIPALAYAM VILLAGE, OTHAKKAL
(86) International Application No	:NA	MANDAPAM POST, COIMBATORE Tamil Nadu India
Filing Date	:NA	2)ARUNKUMAR R
(87) International Publication No	: NA	(72)Name of Inventor : 1)ARUNKUMAR R
(61) Patent of Addition to Application Number	:NA	2)Dr.P KARTHIGAIKUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

By recent survey approximately 3000 people die every year across India, due to the reason of building collapse. Also there is no better way to find the strength of the building and its criticality to warn the people living there. This Invention is to develop a product to find/predict the life of the buildings, so that the collapse and disaster of the old buildings are predicted earlier. This early prediction of weak building collapse, may save thousands of life, whom face tragedy during their building collapse. This invention was made by relating some researches based on Vibration analysis, Deep learning and Material science.

No. of Pages: 5 No. of Claims: 8

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: SYSTEM AND METHOD FOR MULTI STANDARD PROGRAMMABLE LDPC DECODER

(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	(72)Name of Inventor:
	3)Susmit Kumar Datta

#### (57) Abstract:

A method for implementing multi standard programmable low-density parity check decoder in a receiver is provided. The method includes (i) generating, by a control signal generation unit, pre computed control signals associated with a h-matrix, (ii) obtaining, by a control signal storage unit of a hardware decoder unit, the pre computed control signals associated with the h-matrix, (iii) obtaining, by a LLR memory fetch & data align unit, LLR bytes from a LLR memory unit, (iv) rotating, by a rotation and aligning unit, the LLR bytes to obtain aligned valid LLR bytes, (v) processing, by the processing element unit, the aligned valid LLR bytes to obtain an output data, and (vi) decoding, the h-matrix associated with at least one standard and code rates based on the pre computed control signals.

No. of Pages: 28 No. of Claims: 14

(22) Date of filing of Application :17/12/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: A HIGH FREQUENCY MODIFIED HALF BRIDGE RESONANT INVERTER WITH AC INPUT SOURCE.

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (NA Filing Date	ENGINEERING INDIAN SCHOOL OF MINES (UNDER MHRD, GOVT. OF INDIA) DHANBAD-826004, JHARKHAND, INDIA 2)PALASH PAL 3)DR. NITAI PAL 4)ARIJIT BARAL (72)Name of Inventor: 1)PROF. (DR). PRADIP KUMAR SADHU 2)PALASH PAL
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#### (57) Abstract:

A high frequency modified Half Bridge Resonant inverter with AC input source comprising an AC input source (ACS), an AC filter (ACF), two numbers of anti-parallel diodes (D1, D2), three capacitors (C, C1, C2) and two numbers of metal oxide semiconductor field effect transistors (MOSFET1, MOSFET2). The AC supply is directly applied to the inverter when MOSFET1 is made ON for charging the capacitor C2 and discharging the capacitor C1 and in the next period MOSFET1 is made off and MOSFET2 is made ON for charging C1 and discharging C2 for producing an Alternating current flowing through the load. Antiparallel diodes D1 anc D2 rectify the AC supply to DC voltage produced across the capacitor (C). The rectified DC voltage is converted to AC by the inverter operating at high switching frequency making the inverter performing like an AC to AC converter when the inverter produces an alternating voltage across the load.

No. of Pages: 13 No. of Claims: 3

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: A HIGH FREQUENCY HYBRID RESONANT INVERTER WITH AC INPUT SOURCE.

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Substitute Su	(71)Name of Applicant:  1)PROF. (DR). PRADIP KUMAR SADHU Address of Applicant: DEPARTMENT OF ELECTRICAL ENGINEERING INDIAN SCHOOL OF MINES (UNDER MHRD, GOVT. OF INDIA) DHANBAD-826004, JHARKHAND, 2)ANANYO BHATTACHARYA 3)DR. VIVEKANANDA MUKHERJEE 4)DR. NETAI PAL (72)Name of Inventor: 1)PROF. (DR). PRADIP KUMAR SADHU 2)ANANYO BHATTACHARYA 3)DR. VIVEKANANDA MUKHERJEE 4)DR. NITAI PAL
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#### (57) Abstract:

A high frequency hybrid Resonant inverter with AC input source comprising an AC input source (ACS), an AC filter (ACF), a capacitor (C); four anti-parallel diodes (D1-D4), four metal oxide semiconductor field effect transistor switches (MOSFET 1-4). The diodes rectify the AC supply to DC voltage produced across the capacitor. This DC voltage is converted to AC by the inverter operating at high frequency when a high frequency alternating voltage is produced across the load making the inverter operating like an AC to AC converter.

No. of Pages: 18 No. of Claims: 3

(21) Application No.81/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: IMPROVED SKIRT SEALING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA : NA :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)MOHANKA Madan Mohan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An improved skirt sealing system has liners (4) fixed with inner wall of skirt plates (5) by bolt (8), backing plate (6) being welded with plate (5), an improved skirt rubber block (3) fixed over backing plate (6) through guide (12) such that bush (13) protrudes through a slotted groove, a serrated clamp (7) being fixed over rubber block (3). The rubber block (3) has extra rubber cushion (10) to cover any gap between skirt plate liner (4) and rubber block (3) to eliminate entrapment of material and is shorter than conventional rubber blocks for easy adjustment. Fig. 2B

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

(21) Application No.80/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: AUTO ADJUSTING SCRAPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B23D79/08 :NA :NA :NA :NA :NA :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)MOHANKA Madan Mohan
		1)MOHANKA Madan Monan
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

An auto adjusting scraper (A, A') us disclosed and illustrated, at least one of which is provided at each of two discharge ends (14, 14') of a reversible conveyer belt assembly (10). The latter has a forward direction (15) or a reverse direction (15') of conveyance. Each of the auto adjusting scrapers (A, A') is operatively connected to a pneumatic cylinder (1) which is equipped with suitable features to automatically disengage or engage said scraper (A, A') with the return side (12) of the belt alternately, depending upon the forward direction (15) or the reverse direction (15') of conveyance of the belt.

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

#### **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.1158/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :61/635,425 :19/04/2012 :U.S.A. :NA :NA : NA :NA :NA	· /
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#### (57) Abstract:

An image processing method and an image processing apparatus are provided. The image processing method measures a myocardial performance index (MPI), the image processing method including: obtaining a region of interest (ROI) for measuring the MPI, based on signal levels of an input signal and an output signal of a heart spectrum image; obtaining a plurality of marker areas, within the obtained ROT, wherein at least one marker for measuring the MPI is located in each of the plurality of marker areas, based Oil at least one from among a feature value of the input signal and a feature value of the output signal: and obtaining the at least one marker for each ofthe plurality of marker areas.

No. of Pages: 47 No. of Claims: 33

(21) Application No.1159/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: FLUID CONVEYANCE SYSTEM FOR EARTHMOVING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E02F :61/636,418 :20/04/2012 :U.S.A. :NA :NA	· /
(87) International Publication No	: NA	1)KNUTH, JASON
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An earthmoving machine includes a frame, a boom, an elongated member, an attachment, a conduit, and a reel. The frame supports a fluid source. The boom includes a first end coupled to the frame and a second end opposite the first end. The elongated member is movably coupled to the boom and includes a first end and a second end. The attachment is coupled to the second end of the elongated member. The conduit is in fluid communication with the fluid source and conveys fluid between the fluid source and the attachment. The reel supports at least a portion of the conduit. The reel is rotatable to reel in and payout the conduit as the elongated member moves relative to the boom.

No. of Pages: 16 No. of Claims: 23

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: DATA ADAPTIVE ANALOG TO DIGITAL CONVERTER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:U.S.A.	SYSTEMS INTEGRATION Address of Applicant :P.O. BOX 868, NHQ1-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)REAL, EDWARD C.
(61) Patent of Addition to Application Number	:NA	2)COMO, JOANNE K
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for mitigating Analog to Digital (A/D) clipping is disclosed. The mean and variance of analog input data are tracked and the bits of A/D are dynamically reassigned to keep the input signal within their range. The quantization ovels of A/D are dynamically re-mapped to avoid changes in sensitivity of sensor system. The method is based on random walk statistic and keeps the sensitivity of the sensor system constant. Also the system and method provides a wr $\gt$  to mitigate A/D clipping that avoids changing the sensitivity by dynamically r mapping the quantization levels of the A/D, keeping the sensitivity of the system constant.

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

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: EFFICIENT EXTENDED SHIFT MONOLITHIC RAMAN FIBER LASER

(51) International classification	:H01S	(71)Name of Applicant:
(31) Priority Document No	:61/661,620	1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	:19/06/2012	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868, NHQ1-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JOHNSON, BENJAMIN R.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for producing Stimulated Raman Scattering (SRS) is disclosed. A single optical fiber or Raman oscillator is optically pumped by a pump laser of sufficient power to generate SRS to generate several Stokes shifts of energy. This generates a multi-wavelength output or a single wavelength with several stokes energy shifts from the pump wavelength. A selective, monolithiccoated Raman fiber oscillator/laser is utilized to increase the efficiency of frequency shifting by providing frequency-specific feedback at both facets of a free space coupled optical fiber oscillator. Frequencies that lie several bands away from the primary pump frequency may be efficiently achieved in a fiber oscillator by re-circulating the required stokes-shifted frequencies via selective high-reflection coatings. By re-circulating the intra-band stokes frequencies, the required intensities in each respective frequency will be increased, thereby dropping the respective Raman threshold in the optical fiber.

No. of Pages: 18 No. of Claims: 9

(21) Application No.1139/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MEASURING DEVICE FOR DUST IN FLUE GAS.

(51) International classification	:G01N1/22	(71)Name of Applicant :
	:DE 10	1)STEAG POWITEC GMBH
(31) Priority Document No	2012 103	Address of Applicant :IM TEELBRUCH 134B, 45219
· /	563.6	ESSEN, GERMANY
(32) Priority Date	:23/04/2012	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)FRANZ WINTRICH
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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:

Measuring device for dust in flue gas By means of a measuring device (10) for dust (So) in flue gas, with a housing (10) and with at least one sensor (45) arranged in the housing (11) for obtaining measuring data of the withdrawn sample, during operation continuously samples of the dust (So) can be taken, the sensor (45) being sensitive for gas (G), which arrives in the housing (11) accumulated on the dust (SI).

No. of Pages: 11 No. of Claims: 10

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : POLYGONAL SLIDING PACKAGING WITH TWIST-AND-PUSH MOVEMENT FOR OPENING AND CLOSING

(51) International classification	:H01R	(71)Name of Applicant:
(31) Priority Document No	:10 2012 011599.7	1)ROSE PLASTIC AG Address of Applicant :RUPOLZER STR. 53, 88138
(32) Priority Date	:13/06/2012	HERGENSWEILER, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)WOLFGANG SOHLER
Filing Date	:NA	
(87) 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:

Polygonal sliding packaging having a variable length with a twist-and-push 5 movement for opening and closing, comprising two hollow bodies (2, 3) connected to one another by sliding them into one another, having a latch arrangement which comprises at least one first row of notches (6, 7) provided on one hollow body (2, 3) with at least one latch notch (5) and with at least a second row of notches (9-12) disposed on another hollow body (2, 3) assigned 10 to the first row of notches (6, 7) with at least one latch notch (8), which interlock and latch together with their assigned touching notch edges to the latch notches (5, 8) when the hollow bodies (2, 3) slide into one another, where in order to separate the two hollow bodies (2, 3) the touching rows of notches (6, 7; 9-12) can be disengaged by twisting the two hollow bodies (2, 3) counter to one 15 another about their longitudinal axes, where at least one slideway (14-2, 15-2) is disposed on the one hollow body (2, 3) in the circumferential direction at a distance from at least one latchway (13-2, 13-3), in which the at least one latchway or the at least one latch notch of the opposite hollow body (3, 2) can be interlocked and can be slid there in the direction of the displacement.

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

(21) Application No.1223/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :25/04/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: STARTER GENERATOR

(31) Priority Document No  (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number  (31) Priority Document No (2012- 103271 Address of Applicant :2460 AKASAKA, OGOHARA, KOMONO-CHO, MIE-GUN, MIE-PREF., 510-1222, JAPAN (72)Name of Inventor: 1) TATSUYA IWASAKI  1) TATSUYA IWASAKI	<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	103271 :27/04/2012 :Japan :NA :NA :NA :NA	Address of Applicant :2460 AKASAKA, OGOHARA, KOMONO-CHO, MIE-GUN, MIE-PREF., 510-1222, JAPAN (72)Name of Inventor:
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## (57) Abstract:

A rotor magnet (4) is formed of magnet pieces (41 to 44) formed in a ,, planar arcuate shape of an angular width of 90° on a circular periphery. In each of the magnet pieces, three magnetic pole parts (413-41C, 42a-42c, 5 43a-43c, 44a-44c) are formed at equal angular width in a circular direction. The magnetic pole parts adjacent each other are magnetized to different magnetic poles. A reference position detection magnetic part (43d), which has a magnetic pole different from a magnetic pole part (43b), is provided at an axial end part of one of the magnet pieces. The rotor magnet is formed by 10 arranging the four magnet pieces on the circular periphery with substantially no spacing.

No. of Pages: 22 No. of Claims: 4

(19) INDIA

(21) Application No.1224/DEL/2013 A

(22) Date of filing of Application :25/04/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention : A DISC BRAKE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:1211722.2 :02/07/2012 :U.K. :NA	(71)Name of Applicant:  1)MERITOR HEAVY VEHICLE BRAKING SYSTEMS (UK) LIMITED  Address of Applicant: GRANGE ROAD, CWMBRAN NP44 3XU, GWENT, UNITED KINGDOM
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	(72)Name of Inventor: 1)BULL ADRIAN 2)THOMAS PAUL ANTHONY
Filing Date	:NA	

## (57) Abstract:

A disc brake comprising: 5 an actuation mechanism; a disc brake rotor arranged to rotate about an axis; first and second brake pad mounting structures to be located, in use, adjacent opposing inboard and outboard faces respectively of a brake rotor to be braked; first and second brake pads located by the first and second mounting structures 10 respectively such that upon application of the actuation mechanism the pads clamp the rotor and brake torque is reacted by the pad mounting structure; wherein to prevent or inhibit fitting of the first and second pads, individually or in combination with friction material facing away from the rotor the first and second mounting structures comprise first and second formations on radially 15 inner faces thereof, which first and second formations extend radially outwards therefrom and do not have mirror symmetry about a plane defined by the centre of the rotor; wherein the formations are remote from abutment surfaces for supporting the first and I second pad in a radial direction, and wherein a spacing axially between the rotor 20 when in a fully worn condition, and formations is such that a fully worn pad having a complementary formation therein is only capable of being successfully fitted in with its remaining friction material facing the rotor.

No. of Pages: 29 No. of Claims: 20

(21) Application No.1160/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PASSENGER CONVEYER FOOTSTEP THEREOF

(51) International classification	:B66B	(71)Name of Applicant:
(31) Priority Document No	:2012- 095209	1)HITACHI LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:19/04/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MATSUMOTO TATSUYA
Filing Date	:NA	2)UTSUNOMIYA HIROBUMI
(87) International Publication No	: NA	3)NAKAMURA HIDEHIRO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided are a passenger conveyer and a passenger conveyer 5 footstep in which a joint part between a cleat-side end demarcation and a riser-side end demarcation is approximately smoothed. The passenger conveyer or the footstep used therein has a frame body installed from an upper floor to a lower floor in an architectural structure and plural footsteps endlessly 10 connected and circulated in the frame. The footstep has a step board having a cleat-side end demarcation at an end in its widthwise direction and a riser, covering a gap between the step board and the step board of an adjacent footstep, having a riser-side end demarcation at an end in the widthwise direction. 15 At least one of a joint part of the cleat-side end demarcation with respect to the riser-side end demarcation and a joint part of the riser-side end demarcation with respect to the cleat-side end demarcation is subjected to chamfering or rounding.

No. of Pages: 21 No. of Claims: 12

(21) Application No.1161/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VARIABLE CUTOFF FOLDING DEVICE AND PRINTER COMPRISING VARIABLE CUTOFF FOLDING DEVICE

(51) Intermedianal alacsification	.DCSII	(71)Nome of Amiliant.
(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA TOKYO KIKAI SEISAKUSHO
(51) 11101103 20001110110	237171	Address of Applicant :26-24, SHIBA 5-CHOME, MINATO-
(32) Priority Date	:26/10/2012	KU, TOKYO 108-8375, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKANORI ANZAI
Filing Date	:NA	2)HIKARU FUKUTOMI
(87) International Publication No	: NA	3)KEIICHIRO OHTA
(61) Patent of Addition to Application Number	:NA	4)MASAYUKI SHIMURA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This variable cutoff folding device 100 comprises: a cutting mechanism 10 capable of changing a cutting length; a speed-increasing conveyor 5 mechanism 20 capable of changing a conveying speed based on a change in the cutting length; a folding cylinder 40 having a pin device 41 and a thrust blade device 43, the thrust blade device 43 being configured to be displaced based on the change in the cutting 10 length; and a jaw cylinder 50 configured to be rotationally displaced based on displacement of the thrust blade device 43.

No. of Pages: 49 No. of Claims: 7

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SCRATCH-RESISTANT, TRANSPARENT AND TOUGH COPOLYAMIDE MOULDING COMPOUNDS, MOULDED ARTICLES PRODUCED HEREFROM AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08L :12 168 988.9 :23/05/2012 :EUROPEAN UNION :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)EMS-PATENT AG  Address of Applicant:VIA INNOVATIVA 1, CH-7013  DOMAT/EMS, SWITZERLAND  (72)Name of Inventor:  1)FRIEDRICH SEVERIN BUHLER
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#### (57) Abstract:

The invention relates to scratch-resistant, transparent and tough copolyamide moulding compounds which are distinguished by high scratch-resistance, excellent transparency and great toughness. With the transparent amorphous copolyamide moulding compounds according to the invention, transparent moulded articles or transparent coatings which have in addition excellent mechanical properties can be produced. The transparent amorphous copolyamide moulding compounds according to the invention are obtained by polycondensation of a carboxylic acid mixture, comprising or consisting of at least one aliphatic dicarboxylic acid with 6 to 18 carbon atoms and at least one aromatic dicarboxylic acid, selected from the group consisting of isophthalic acid, terephthalic acid and/or naphthalenedicarboxylic acid and at least one cycloaliphatic diamine, selected from the group consisting of 3,3-dimethyl-4,4-diaminocyclohexylmethane (DMDC), 3,3,5,5-tetramethyl-4,4- diaminocyclohexylmethane, 2,2,3,3-tetramethyl-4,4-diaminocyclohexylmethane and!or norbornanediamine. The invention relates furthermore to moulded parts or coatings produced herefrom and also to the use of the transparent amorphous copolyamide moulding compounds for the production of transparent moulded articles or transparent coatings which are used in particular in the fields of industry, the household, sanitary equipment, optics, clocks, electrics, electronics, lighting, automotive vehicles, mechanical engineering, packaging, fashion, textiles, sport and leisure, measuring and testing means, toys and design.

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

(21) Application No.1147/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COORDINATED OPTIMIZATION OF UNDERLAY NETWORK COMMUNICATION FOR EFFICIENT USE OF SPECTRUM.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04L :61/625,843 :18/04/2012 :U.S.A. :NA :NA :NA :NA	(71)Name of Applicant: 1)BAE SYSTMS INFORMATION & ELECTRINIC SYSTEMS INTEGRATION Address of Applicant: P.O. BOX 868, NHQ1-719, NASHUA, NH 03061-0868, UNITED STATES OF AMERICA. (72)Name of Inventor: 1)SILVA, AMBER L. 2)NIEDZWIECKI, JOSHUA D
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for selecting an optimal frequency channel to communicate on in a wireless network is disclosed. The optimal frequency is selected from a predefined set of frequencies for all nodes to communicate on 10 based on an exposure calculation. All underlay nodes collect initial SNR information from initial detection of other nodes and adjust their transmit power for an intended receiver such that the signal is received at the lowest allowable underlay-to-overlay power ratio, thus minimizing exposure. The desired underlayto- overlay ratio is set based on how much we are capable of cancelling the 15 overlay signal and the SINR at which a signal can be recovered such that the data can be successfully received from the underlay node. The optimal chaAllel selected by this algorithm is the one with the least area of undesired exposure, or least probability of interfering with the primary user. The performance increases as a function of number of nodes, or data points.

No. of Pages: 29 No. of Claims: 6

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INORGANIC REACTION SYSTEM FOR ELECTROCONDUCTIVE PASTE COMPOSITION

(54) 5	G0.4 G	
(51) International classification	:C03C	(71)Name of Applicant:
(31) Priority Document No	:61/625,383	1)HERAEUS PRECIOUS METALS NORTH AMERICA
(32) Priority Date	:17/04/2012	CONSHOHOCKEN LLC.
(33) Name of priority country	:U.S.A.	Address of Applicant :24 UNION HILL ROAD, WEST
(86) International Application No	:NA	CONSHOHOKEN, PENNSYLVANIA, 19428 U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)WANG, LEI
(61) Patent of Addition to Application Number	:NA	2)YAN, LI
Filing Date	:NA	3)GUO, CUIWEN
(62) Divisional to Application Number	:NA	4)ZHANG, WEIMING
Filing Date	:NA	

## (57) Abstract:

The invention provides an inorganic reaction system for the preparation of electroconductive paste. Particularly, an inorganic reaction system comprises conductive glass. The inorganic reaction system may comprise a silver containing matrix forming composition. The silver containing matrix composition may comprise at least one of silver oxide or silver halide, or both. The invention also provides solar cells manufactured utilizing an electroconductive paste comprising an inorganic reaction system comprising conductive glass, and methods of manufacturing solar cells utilizing an electroconductive paste comprising an inorganic reaction system comprising conductive glass.

No. of Pages: 86 No. of Claims: 24

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONTACTOR ISOLATION METHOD AND APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G05B :13/476,188 :21/05/2012 :U.S.A. :NA :NA	
(87) International Publication No	: NA	2)KING, ROBERT DEAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A contactor unit includes an input lead connectable to a first lead of an energy output device, an output lead connectable to a first lead of a voltage bus, a contactor that connects and disconnects the input lead from the output lead, a driver configured to operate the contactor, a serial data link connectable to a system controller that is external to the contactor unit, and an integrated circuit (IC) positioned within the contactor unit and configured to output a control command to the driver to open the contactor based on at least one of a current in either the input lead or the output lead and a voltage differential across the contactor, and output a contactor control status via the serial data link.

No. of Pages: 31 No. of Claims: 20

(21) Application No.1189/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LOADING GEAR FOR AN AIRCRAFT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B64C :1208155.0 :10/05/2012 :U.K. :NA	Address of Applicant :BISHOPS CLEEVE, CHELTENHAM, GLOUCESTERSHIRE GL52 8SF (GB) U.K. (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)TIERNEY, MALCOLM OLIVER 2)SCARISBRICK, CRAIG
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)TUCKER, MILES 4)NEAL, ROBERT, JOHN
(62) Divisional to Application Number Filing Date	:NA :NA	T)NEAD, ROBERT, JOHN

## (57) Abstract:

A landing gear assembly (20) for an aircraft includes a leg (22) having a first rotational mount (30) for rotatably mounting the leg (22) to the aircraft for rotating the leg (22) between retracted and extended positions, a wheel mount (34) provided on the leg (22), a drag stay (24) having an upper link (44) rotatably mounted to a lower link (46), and an actuator (26)to move the leg (22) between the retracted and extended positions. The landing gear may be included on a variety of aircraft.

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: WATER SEAL AT BACKPASS ECONOMIZER GAS OUTLET

## (57) Abstract:

A compensations duct assembly [100] is described that provides a gas tight connection between a backpass [9] of a furnace [3] and an air preheater pipe [10] having one end fixed relative to a floor. The compensation duct assembly [100] has an air preheater opening [133] that is connected to an air preheater duct [10]. A liquid seal [120] is employed to compensate for the movement due to thermal expansion between the backpass [9] and the compensation duct assembly [100]. The liquid seal [120] provides a gas tight connection under various conditions ofthermal expansion. 11

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

(21) Application No.1149/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONDUCTIVE THICK FILM PASTE FOR SOLAR CELL CONTACTS

(51) International classification	:H05K	(71)Name of Applicant:
(31) Priority Document No	:61/625,383	
(32) Priority Date	,	CONSHOHOCKEN LLC.
(33) Name of priority country	:U.S.A.	Address of Applicant :24 UNION HILL ROAD WEST
(86) International Application No	:NA	CONSHOHOCKEN, PENNSYLVANIA, 19428 UNITED
Filing Date	:NA	STATES OF AMERICA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)ZHANG, WEIMING
Filing Date	:NA	2)WANG, LEI
(62) Divisional to Application Number	:NA	3)HORTHEIS, MATTHIAS
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an inorganic reaction system used in the manufacture of electroconductive pastes. The inorganic reaction system comprises a lead containing matrix forming composition and a tellurium oxide additive. Preferably the lead containing matrix forming composition is between 5-95 wt. % of the inorganic reaction system, and the tellurium oxide additive is between 5-95 wt. % of the inorganic reaction system. The lead containing matrix forming composition may be a glass frit, and may comprise lead oxide. Another aspect of the present invention relates to an electroconductive paste composition that comprises metallic particles, an inorganic reaction system as previously disclosed, and an organic vehicle. Another aspect of the present invention relates to an organic vehicle that comprises one or more of a binder, a surfactant, a solvent, and a thixatropic agent. Another aspect of the present invention relates to a solar cell printed with an electroconductive paste composition as disclosed, as well as an assembled solar cell module. Another aspect of the present invention relates to a method of producing a solar cell.

No. of Pages: 32 No. of Claims: 20

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND MODULE FOR MEASURING THE RATE OF CHANGE OF REQUENCY OF WAVEFORMS RELATED TO CONVERTER UNITS IN WIND TURBINE GENERATORS

E02B	
:F03D	(71)Name of Applicant :
:ES201200454	1)GAMESA INNOVATION & TECHNOLGY, S.L.
:03/05/2012	Address of Applicant :AVENIDA CIUDAD DE LA
:Spain	INNOVACION, 9-11, 31621 SARRIGUREN NARVARRA
:NA	SPAIN
:NA	(72)Name of Inventor:
: NA	1)JIMENEZ BUENDIA, FRANCISCO
:NA	
:NA	
:NA	
:NA	
	:03/05/2012 :Spain :NA :NA : NA : NA :NA :NA

#### (57) Abstract:

Method and module for measuring the rate of change of frequency of a waveform . . related to a converter unit of a wind turbine generator, comprising: measuring an instantaneous value of said rate of change of frequency of the waveform, calculating a first filtered value of said rate of change of frequency, said first filtered value having good accuracy but low time response, and calculating a second filtered value of said . . rate of change of frequency-said second filtered value having a good time response but low accuracy, comparing said first and second filtered values and selecting that an otputv alue of said measured rate of change is based on said first or second filtered values depending on said comparison.

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

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DRIVE OF A SEAT ADJUSTING DEVICE FOR MOTOR VEHICLES

(51) International classification	:B60N :12 191	(71)Name of Applicant: 1)IMS GEAR GMBH
(31) Priority Document No	662.1	Address of Applicant : HEINRICH-HERTZ-STRASSE-16,
(32) Priority Date	:07/11/2012	78166, DONAUESCHINGEN, GERMANY
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)CHRISTIAN GEIGES
Filing Date	:NA	
(87) 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:

Drive of a seat adjusting device, especially for motor vehicles, with a spindle (5) that is fastened on a first (4) of two rails (3,4), which are adjustable with respect to each other, by means of at least one mounting (60) located at the end of the spindle (5) and with a transmission (9) driven by a motor (2) that is mounted on the second rail (3), whereby the mounting (60) has one part as a base plate (SO), from which two walls (92a, 92b) at a distance from each other extend upward and that at least one end (5a) of the spindle (5) is fastened between these two walls (92a, 92b).

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

(21) Application No.1286/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BELT TIGHTENING DRIVE

(51) International classification  (31) Priority Document No  (32) Priority Date  (33) Name of priority country  (34) International Application No  Filing Date  (37) International Publication No  (38) International Publication No  (39) International Publication No  (30) Patent of Addition to Application Number  Filing Date  (31) Priority Document No  (32) Say 347.2  (33) Name of priority country  (34) Sermany  (35) NA  (37) International Application No  (38) International Publication No  (39) International Publication No  (40) Patent of Addition to Application Number  Filing Date  (51) NA  (52) Divisional to Application Number  Filing Date  (53) Name of priority Country  (54) Sermany  (55) NA  (66) Patent of Addition to Application Number  Filing Date  (57) NA  (68) NA  (69) Divisional to Application Number  Filing Date	(71)Name of Applicant:  1)IMS GEAR GMBH  Address of Applicant: HEINRICH-HERTZ-STR. 16, 78166  DONAUESCHINGEN, GERMANY (72)Name of Inventor:  1)LUCHT ANDREAS  2)KOOP MATTHIAS
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#### (57) Abstract:

The invention relates to a belt tightening drive for tightening a safety belt (2) which can be wound up around a winding shaft (1), said belt tightening drive comprising an electric motor (3), a spindle shaft (4) and a output wheel (21) coupled with the winding shaft (I) and a worm gear (20), by way of which the output wheel (21) is driven by the spindle shaft (4), wherein for the formation of the worm gear (20) an external helical gear (22) of the output wheel (21) is combing with a worm drive (24) supported torsionally rigid on the spindle shaft (4) and it is provided according to the invention that the external gear of the output wheel comprises at least two gear sections (22a, 22b), wherein a first gear section (22a) comprises a gear with constant geometry and a following second gear section (22b) is designed with an increasing root circle diameter (dF) and/or increasing tip circle diameter (dK) and/or increasing tooth thickness (s).

No. of Pages: 27 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: POLYAMIDE MOLDING MATERIAL, PRODUCTION METHOD AND ACCORDINGLY PRODUCED MOLDED BODY MADE OF THE POLYAMIDE MOLDING MATERIAL, AND THE USE THEREOF AS DUCTS WHICH COME INTO CONTACT WITH EXHAUST GASES IN MOTOR VEHICLES

(21) Application No.1247/DEL/2013 A

(51) International classification	:C08H	(71)Name of Applicant:
(31) Priority Document No	:01093/12	1)EMS-PATENT AG
(32) Priority Date	:18/07/2012	
(33) Name of priority country	:Switzerland	DOMAT/EMS, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BOTHO HOFFMANN
(87) International Publication No	: NA	2)RALPH KETTL
(61) Patent of Addition to Application Number	:NA	3)LUC SCHERRER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A polyamide molding material is proposed, which is composed of 45 - 97.9 wt.-% of a copolyamide, which is synthesized from at least one diamine selected from the 5 group consisting of 1,6-hexane diamine, nonane diamine, and 1,10-decane diamine, as well as terephthalic acid, and at least one further polyamide-forming monomer selected from the group of dicarboxylic acids having 8 - 18 carbon atoms, lactams having 6 to 12 carbon atoms, amino acids having 6 to 12 carbon atoms, and mixtures thereof, as well as 2 - 10 wt.-% of at least one impact toughness 10 modifier, 0.1 - 10 wt.-% of at least one viscosity modifier, and 0 - 35 wt.-% additives and/or fillers, wherein the components add up in tot1 to 100 wt.-% of the polyamide molding material. This polyamide molding material is suitable due to its melt strength for blowmolding molded bodies, and due to its acid resistance for use as a duct, in particular as a duct in air systems which come into contact with ex- 15 haust gases in motor vehicles.

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FASTENING MEANS, FASTENING ARRANGEMENT AND METHOD FOR ESTABLISHING A FASTENING ARRANGEMENT

(51) International classification	:H01R	(71)Name of Applicant:
(31) Priority Document No	:10 2012	1)JOHNSON CONTROLS GMBH
(31) Thority Document ivo	009 303.9	Address of Applicant :INDUSTRIESTRABE 20-30, 51399
(32) Priority Date	:10/05/2012	BURSCHEID, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)BIELETZKI-WELZ, VIKTOR
Filing Date	:NA	2)ZHELYAZKOVA, KRISTINA
(87) 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 fastening means (1) comprising a plurality of snap hooks (8,14), snap tabs (16,17,22), snap means (25) and retaining recesses (6,12,11,21) for arranging and connecting a plurality of components (18, 19, 23, 24) at the fastening means (1). Moreover, the invention relates to a fastening arrangement and a method for establishing it, comprising: - arranging a first component (18) on a second component (19) by inserting the second component (19) at least partially in a hook shaped moulding (20) arranged on the first component (18), - fitting a fastening means (1) in the area of the hook shaped moulding (20) such that the first component (18) and the second component (19) are arranged in a retaining section (21) of the fastening means (1), wherein snap tabs (22) on the second component (19) form a positive and/or non-positive snap lock to snap hooks (14) on the fastening means (1), - arranging a third component (23) between snap hooks (8) and snap tabs (16) arranged on a rear side of the fastening means (1) facing away from the snap lock between the second component (19) and the fastening means (1), - inserting the fourth component (24) onto the fastening means (1) and the attached first, second and third component (18, 19, 23) such that snap tabs (17) of the fastening means (1) form a positive and or non-positive snap lock with corresponding snap means (25) of the fourth component (24).

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

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD OF POST EVENT/ALARM ANALYSIS IN CCTV AND INTEGRATED SECURITY SYSTEMS

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (89) International Publication No (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) Name of priority country INA INA SILKY CHATHUKUTTY  (72) Name of Inventor:  1) DEEPAK SUNDAR M 2) SILKY CHATHUKUTTY	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA : NA :NA :NA :NA	Address of Applicant :101 COLUMBIA ROAD, P.O. BOX 2245, MORRISTOWN, NEW JERSEY 07962-2245, U.S.A. (72)Name of Inventor:  1)DEEPAK SUNDAR M
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#### (57) Abstract:

A method and apparatus are provided. The method includes the steps of detecting a plurality of events within a secured area detected by respective sensors that have been activated within a predetermined time period of one another and herein at least one of the plurality of events is an alarm event, ordering the events based upon a reporting time of each event and displaying a map showing the ctivated sensors within the secured area along with the potential route of an der traveling among the locations of the activated sensors in accordance with the reporting time of each event.

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

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PLANETARY GEAR SET WITH SEVERAL GEAR STAGES

(51) International alogaification	.E14H	(71)Nome of Applicant
(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:12 192	1)IMS GEAR GMBH
(31) Thomas Document No	443.5	Address of Applicant :HEINRICH-HERTZ-STRASSE 16,
(32) Priority Date	:13/11/2012	78166, DONAUESCHINGEN, GERMANY
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)KRUSELBURGER MARKUS
Filing Date	:NA	
(87) 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:

Planetary gear set (1) with several gear stages (10, 20,30), comprising an annular ring (2) with which the planet gears (22, 32) are in engagement with at least one gear stage (20, 30); according to the invention it is provided that at least one circular insert part (14) with external and internal gearing (14a, 14b) is arranged in an annular ring (2), whereby the external gearing (14b) is in engagement with the annular ring (2) and the internal gearing (14a) meshes with planet gears (12) of another gear stage (10).

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

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : APPARATUS AND SYSTEM FOR CHANGING TEMPERATURE OF VANE SEPARATORS IN A POWER GENERATING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H01M :13/481,347 :25/05/2012 :U.S.A. :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor:  1)BRYANT, PAUL SHERWOOD
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)MANN, RICHARD MICHAEL ASHLEY 3)DAVIES, JOHN CARL

#### (57) Abstract:

This disclosure describes embodiments of a vane conditioning apparatus for use in power generating systems. These embodiments generate one or more fluid streams, which impinge on vane separators in the power generating system to change the temperature of the vane separators. In one embodiment, the vane conditioning apparatus comprises a vortex tube to convert pressurized supply air to a hot fluid stream and a cold fluid stream. A flow control device couples with the vortex tube to regulates flow of the hot fluid stream and the cold fluid stream to the vane separators.

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

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MULTI POLE ELECTRICAL MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H02K :101118146 :22/05/2012 :Taiwan :NA :NA	,
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	1)FEI-TYH CHUANG
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The present invention provides a multi-pole electrical machine with P phases. The multi-pole electrical machine includes a stator having N first convex teeth and an active cell having S grooved portions. A second groove is formed between the grooved portions toward the active cell. Additionally, a number t of second convex teeth and a number t-1 of third grooves are formed between one grooved portion and the second groove adjacent to the one grooved portion. The sum of an average width of the second convex teeth and that of the third grooves is w. The width of the grooved portion is a w, the width of the second groove is b w, and the average width of the second convex teeth is c w. The configuration parameters satisfy: S = 2 P Q, where Q is a positive integer; Y is a positive integer closest to [a + b + 2c + 2 (t - 1)]; M = S Y; and N is a number selected from M,  $M \pm 1 \cdot ... M \pm Q$ . By adjusting the above parameters, the multi-pole electrical machine is able to perform high torque during the operation thereof.

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

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SHORT GATE-LENGTH HIGH ELECTRON-MOBILITY TRANSISTORS WITH ASYMMETRIC RECESS AND SELF-ALIGNED OHMIC ELECTRODES.

(51) International classification (31) Priority Document No	:H01L :61/642,510	(71)Name of Applicant: 1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	:04/05/2012	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868, NHQI-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)XU, DONG
(61) Patent of Addition to Application Number	:NA	2)CHU, KANIN
Filing Date	:NA	3)CHAO, PANE-CRANE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for fabricating InP-based high electron - mobility transistors (HEMTs) and GaAs-based metamorphic electron-mobility transistors (MHEMTs) by utilizing asymmetrically recessed r-gates and self-aligned ohmic electrodes is disclosed. The fabrication starts with mesa isolation, followed by gate recess and gate metal deposition, in which the gate foot is placed asymmetrically in the recess groove, with the offset towards the source. It is important to use r-gates as the shadow mask for ohmic metal deposition, because it allows a source-gate spacing as small as 0.1 micron, greatly reducing the critical source resistance, and it retains a relatively large gate-drain spacing, enabling a decent breakdown voltage when coupled with the asymmetric gate recess. It is also critical to maintain a large stem height of the T- gates to assure a sufficient gap between the top of the gates and the ohmic metal after its deposition to reduce the parasitic capacitance. The uniqueness of this technology would best fit the applications that require low voltage and/or low DC power consumption.

No. of Pages: 45 No. of Claims: 8

(22) Date of filing of Application :09/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ROAD FINISHING MACHINE WITH ADJUSTABLE CONTROL PANEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60N :202012003790.0 :13/04/2012 :Germany :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)Joseph Vgele AG  Address of Applicant: Joseph-Vgele-Str. 1, 67067  Ludwigshafen/Rhein, Germany (72)Name of Inventor:  1)Ingo HERZBERG
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## (57) Abstract:

The invention relates to a road finishing machine with a control panel (1) that can be selectively swiveled about a first and a second swivel pin (18, 19), where one operational control (7, 9) each is provided for the first and the second swivel pins (18, 19) for separately unlocking and/or locking a swiveling capacity around the respective swivel pin (18, 19). The invention is characterized in that one counter surface (8, 10) is fixed to the control panel (1) for each of the operational controls (7, 9), and that the swivel pins (18, 19) can be unlocked by pulling the respective operational control (7, 9) in the direction of the respective counter surface (8, 10), and the control panel (1) can be swiveled into the same direction

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

(21) Application No.1280/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ADJUSTABLE MILL CLASSIFIER

## (57) Abstract:

A classifier [100] is disclosed that employs adjustable vanes [140] that may be interactively adjusted to change the distribution of fuel particle sizes that are passed on to a furnace. The classifier employs a frame [133] having a plurality of windows [131] each having an adjustable vane [140]. A control ring [160] is rotated with respect to the frame [133] to simultaneously move links [150] connected between the control ring [160] and the vanes [140]. This causes the vanes [140] to open or close, changing the air flow path and changing the size distribution of particles passing through the classifier [100] to the furnace. The system may include an adjustment system [260] that can automatically sense particle size to optimize several physical parameters related to particle size.

No. of Pages: 18 No. of Claims: 14

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SINGLE STAGE LARGE-RATIO REDUCER GEARBOX FOR AERO ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(26) International Application No.</li> </ul>	:F16H :101115918 :04/05/2012 :Taiwan	Address of Applicant :32-22, LANE 112, CHULIN ROAD, CHUNGLIN, HSINCHU COUNTY, TAIWAN
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)PAN-CHIEN LIN
(87) International Publication No	: NA	1)1 AIN-CHIEN LIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A single-stage speed reducer gearbox for aero engine for changing an input speed at an input shaft connected to a turbine shaft of the aero engine to an output speed at an output shaft connected to a fan blade shaft of the aero engine. The gearbox has a coaxial pair of ring gears including a large ring gear having a pitch diameter A and a small ring gear having a pitch diameter D. A coaxial pair of spur gears includes a large spur gear having a pitch diameter B and a small spur gear having a pitch diameter C. The large spur gear meshes with the large ring gear and the small spur gear meshes with the small ring gear, forming two meshing pairs. A carrier member is connected to the input shaft of the gearbox. Two gears of one of the two coaxial pairs are fixed together to operate epicyclically on the carrier. One gear of the other of the two coaxial pairs is fixed to the frame of the gearbox and the other gear is connected to the output shaft. The four gears satisfy the dimensional relationship of A = K+i, B = K, C = K-j and D = K+i-j-j, wherein K, i and j are integers.

No. of Pages: 17 No. of Claims: 11

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LARGE RATIO STRAIN WAVE GEARING SPEED CHANGING APPARATUS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F16H :101115916 :04/05/2012	<i>'</i>
(33) Name of priority country	:Taiwan	CHUNGLIN, HSINCHU COUNTY, TAIWAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PAN-CHIEN LIN
(87) 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 strain wave gearing speed changing apparatus for changing an input speed to an output either greatly slower or faster, the apparatus has a coaxial pair of circular splines that includes a large circular spline having a tooth number A and a small circular spline having a tooth number D. A coaxial pair of flex splines includes a large flex spline having a tooth number B and a small flex spline having a tooth number C. The large flex spline meshes with the large circular spline and the small flex spline meshes with the circular spline. A wave generator member is connected to one of the input and output shafts of the apparatus. Two splines of one of the two coaxial pairs being fixed together to operate epicyclically on the wave generator. One spline of the other of the two coaxial pairs being fixed to the frame of the apparatus and the other spline being connected to the other of the input and output shafts. In the apparatus, the four splines satis@ the tooth number relationship of A = K+i, B = K, C = K-j and D = K+i-j.

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

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STEEL FOR BELT-TYPE CVT PULLEY AND BELT-TYPE CVT PULLEY

(51) International classification	:C22C	(71)Name of Applicant:
(21) D D	:2012-	1)HONDA MOTOR CO., LTD.
(31) Priority Document No	099407	Address of Applicant :1-1, Minami-aoyama 2-chome, Minato-
(32) Priority Date	:25/04/2012	ku, Tokyo 107-8556, Japan
(33) Name of priority country	:Japan	2)DAIDO STEEL CO., LTD.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Gen KATO
(87) International Publication No	: NA	2)Mitsuru FUJIMOTO
(61) Patent of Addition to Application Number	:NA	3)Hiroki TERADA
Filing Date	:NA	4)Sinichiro KATO
(62) Divisional to Application Number	:NA	5)Katsuya YAMAGUCHI
Filing Date	:NA	6)Makoto HARITANI
		1 ′

#### (57) Abstract:

A steel for a belt-type CVT pulley made of chromium steel or chromium molybdenum steel according to the present invention has a component composition that satisfies predetermined formulae regarding the mass% of Mn, Ni, Cr, Mo, Si, Nb and Ti. In addition, the steel for a belt-type CVT pulley contains, in terms of mass%, as essentially added elements, 0.15% to 0.25% of C, 0.40% to 1.00% of Mn, more than 1.80% and 2.20% or less of Cr, 0.005% to 0.030% of N, and 0.010% to 0.060% of AI, and as arbitrarily added elements, 0.20% or less of Si, 0.03% or less of P, 0.05% or less 10 of S, 0.3% or less of Cu, 0.3% or less of Ni, and 0.2% or less of Mo, with the remainder being Fe and inevitable impurities.

No. of Pages: 35 No. of Claims: 4

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: WATER DISTRIBUTION CONTROL DEVICE

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:2012- 102041	1)HITACHI, LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:27/04/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHINGO ADACHI
Filing Date	:NA	2)MAKOTO MIYATA
(87) International Publication No	: NA	3)SHINSUKE TAKAHASHI
(61) Patent of Addition to Application Number	:NA	4)MANABU FUKUSHIMA
Filing Date	:NA	5)HIDEYUKI TADOKORO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A water distribution control device (101) comprises a data collection unit (171) which collects statuses of a distribution network (111) as a control target, an operation quantity calculation unit (151) which calculates control commands for each water distribution plant and transmitting operation quantities to the water distribution plants at a normal control period, a sudden-change-correction-data calculation unit (152) which calculates a threshold value for decision of a sudden change in demand quantity and a correction formula for calculating an operation quantity in the event of a sudden change in demand quantity, a sudden change decision unit (154) which decides a sudden change in demand quantity, a sudden-change-timed-operation quantity calculation unit (155) which calculates an operation quantity when the sudden change decision unit (154) determines a sudden change in demand, and a transmission unit (172) which transmits the control command to each of the water distribution plants (A, B).

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

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RECYCLED POT GAS POT DISTRIBUTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01G :61/642,555 :04/05/2012 :U.S.A. :NA :NA :NA :NA :NA	
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## (57) Abstract:

An aluminium production electrolytic cell (14) comprises a bath (20) with bath contents (18), at least one cathode electrode (22) in contact with said contents (18), at least one anode electrode (16) in contact with said contents (18), and a hood (36), defining interior area (36a), covering at least a portion of said bath (20). The electrolytic cell (14) is equipped for effluent gases to be drawn from said interior area (36a). The electrolytic cell (14) also comprises at least one heat exchanger (74) for cooling at least a portion of the gases drawn from interior area (36a), prior to I circulation thereof to interior area (36a) through at least one distribution device (90).

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

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS, DEVICES, AND METHODS FOR SECURING TISSUE USING A SUTURE HAVING ONE OR MORE PROTRUSIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61B :13/465,362 :07/05/2012 :U.S.A.	l '
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MEHMET SENGUN
(87) 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:

Systems, devices, and methods are provided for securing soft tissue to bone. One exemplary embodiment of a surgical repair construct includes an anchor, a filament having a snare formed on one end and a collapsible loop on another end, and a suture having a plurality of stationary protrusions formed therein. The suture is configured to be coupled to detached tissue and have its ends passed through an opening in the snare. The snare can be collapsed around the suture such that at least one of the suture protrusions is proximal of the collapsed snare. The anchor can be disposed in bone and the filament coupled thereto. Accordingly, collapsing the snare around the suture couples the tissue to bone, and applying tension to a tensioning limb of the filament can collapse the collapsible loop to incrementally tighten and secure the tissue to bone. Other exemplary systems, devices, and methods for use with soft tissue repair are also provided.

No. of Pages: 29 No. of Claims: 20

(21) Application No.1184/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ENGINE WASH OPTIMISATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B60S :1208479.4 :15/05/2012 :U.K. :NA :NA	(71)Name of Applicant:  1)OPTIMIZED SYSTEMS AND SOLUTIONS LIMITED Address of Applicant :MOOR LANE, DERBY DE24 8BJ, UNITED KINGDOM (72)Name of Inventor: 1)GRAHAM COLIN SMITH
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides a method of optimising engine wash event scheduling. An underlying deterioration gradient and a total deterioration gradient are determined. A number of engine wash events, x, are set. Engine deterioration for x engine wash events is calculated. The washed engine cost of engine deterioration for x engine wash events is calculated. The calculation of engine deterioration is iterated for different x to optimise the number of engine wash events with respect to the cost of engine deterioration. Advantageously the method systematically optimises scheduling of wash events taking into account the underlying deterioration of the engine which cannot be recovered by engine washing and the cost of the engine wash events.

No. of Pages: 16 No. of Claims: 13

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRODE FOR PLASMA CUTTING TORCHES ANDUSE OF SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H05H :12 169 342.8 :24/05/2012 :EUROPEAN UNION :NA :NA : NA :NA :NA	Address of Applicant :SUDANLAGE 5, 35390 GIEEN,
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an electrode for plasma torches for plasma cutting and to a use of the electrode for said plasma torch. The electrode in accordance with the invention for plasma cutting torches is formed from an electrode holder and from an emission insert which are connected to one another in a force-fitted and/or shape-matched manner. The emission insert has at least one section along its longitudinal axis which is arranged between two other sections or next to a section which has a reduced outer diameter in a rotationally symmetrical design of the emission insert or has a reduced cross-sectional surface in a non-rotationally symmetrical emission insert with respect to the other section(s).

No. of Pages: 27 No. of Claims: 13

(21) Application No.1299/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MECHANICAL INTERLOCK FEATURE FOR MULTI-MATERIAL AIRFOILS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(26) International Application No.</li> </ul>	:B65D :13/492,130 :08/06/2012 :U.S.A.	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)KRAY, NICHOLAS JOSEPH
(87) International Publication No	: NA	2)SHAH, PRANAV D.
(61) Patent of Addition to Application Number	:NA	3)SHIM, DONG-JIN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An airfoil of a first parent material and a second wrap material wherein the parent and wrap materials are of at least partially different materials and wherein an interiock region is formed between the parent and wrap materials having an interlock feature.

No. of Pages: 19 No. of Claims: 20

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM, DEVICES, AND METHODS FOR SECURING TISSUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> </ul>	:G06F :13/465,299 :07/05/2012 :U.S.A. :NA :NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

## (57) Abstract:

Systems, devices, and methods are provided for securing soft tissue to bone, for securing one or more objects using a surgical filament, and for drawing two or more tissues together so they can be secured in a desired location. One exemplary embodiment of a surgical repair method includes selecting a surgical repair construct that includes a snare linkage having a collapsible snare and a collapsible loop coupled to the snare linkage. Steps can be performed as part of the method such that the snare of the snare linkage is collapsed around a portion of the loop passing through the snare. The snare linkage and loop construct can be coupled to tissue and bone such that the snare and loop are both advanced distally towards bone to bring the tissue into proximity with the bone. Other exemplary systems, devices, and methods for use with soft tissue repair are also provided.

No. of Pages: 52 No. of Claims: 24

(19) INDIA

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

(21) Application No.1342/DEL/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: WIRE HARNESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B60R :2012- 107351 :09/05/2012 :Japan :NA :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)SYOJI ONODA
(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 wire harness, and an object thereof is to suppress wire breakage at a location between a harness-side terminal connected to a horn and a wire 5 connected thereto. A wire harness (20) that can be connected to a horn (16) mounted to a vehicle includes a harness-side terminal (30) electrically connected to the horn (16), a wire harness main body (22) including a horn-wiring wire (24) connected to the harness-side terminal (30), and a protective portion (40). The protective portion (40) is formed by hot pressing a nonwoven member in a state in which the nonwoven member covers an end 10 portion of the harness-side terminal (30) that is on the wire (24) side and at least a portion of the wire (24).

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

(21) Application No.1126/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TURBINE GENERATOR ASSEMBLY FOR THRUST VECTOR CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/541,585 :03/07/2012 :U.S.A. :NA :NA : NA : NA :NA	·
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A system and method includes a thrust system; a generator for providing electric power to at least one electromechanical actuator of the thrust system; a turbine for driving the generator; a speed control valve for metering propellant to the turbine; and a gear assembly for connecting the turbine, the generator, and the speed control valve.

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

(21) Application No.1156/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TURBINE DIAPHRAGM CONSTRUCTION

(51) International classification	:F01D	(71)Name of Applicant:
(31) Priority Document No	:12165618.5	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:26/04/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	UNION	BADEN, SWITZERLAND (72)Name of Inventor:
(86) International Application No	:NA	1)BRUMMITT-BROWN, ANGUS ROBERT
Filing Date	:NA	2)MISTRY, KANU
(87) International Publication No	: NA	3)LORD, ADRIAN CLIFFORD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Turbine Diaphragm Construction 18 APR 2015 An axial flow turbine diaphragm (10) is constructed without welding or other metal fusion or melting techniques. Static blade units (16) are attached to inner and outer diaphragm rings by radially inner platform portions (162) that engage the radially inner ring (12), and radially outer platform portion s (163) that engage the radially outer ring (14), the inner platform portions being elongate in the circumferential direction of the turbine diaphragm and the outer platform portions being elongate in a direction compatible with the stagger angle of the aerofoils (161). The outer circumference of the radially inner ring (12) has a blade unit retaining feature (124) of complementary shape and orientation to the inner platform portions (162) of the static blade units, and the inner circumference of the radially outer ring (14) is provided with a plurality of blade unit retaining features (147) of complementary shape and orientation to corresponding outer platform portions (163) of the static blade units.

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

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FLAME-RETARDANT POLYAMIDE MOLDING MATERIAL AND THE USE THEREOF

(31) Priority Document No       :EP 12 199 085.7 Ac         (32) Priority Date       :21/12/2012 DOM.         (33) Name of priority country       :EUROPEAN UNION 1)DI         (86) International Application No       :NA       2)DI	)Name of Applicant: )EMS-PATENT AG Address of Applicant: VIA INNOVATIVA 1, 7013 )MAT/EMS, SWITZERLAND )Name of Inventor: )DR. RER. NAT. FRIEDRICH SEVERIN BUHLER )DR. BOTHO HOFFMANN )DR. BOTHO HOFFMANN
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#### (57) Abstract:

A flame-retardant polyamide molding material for sheathing optical waveguides and optical cables is proposed, which is composed of: 5 (A) 40 to 71 wt.-% copolyamide MACMI/12; (B) 20 to 51 wt.-% of at least one aliphatic polyamide; (C) 6 to 20 wt.-% melamine cyanurate; (D) 3 to 10 wt.-% aryl phosphate; and (E) 0 to 6 wt.-% further additives; 10 wherein the components (A) to (E) add up to 100 wt.-% of the polyamide molding material. The copolyamide MACMI/12 has a laurin lactam content of 23 to 45 mol-% in relation to the molar sum of the monomers MACM, isophthalic acid, and laurin lactam of this copolyamide, wherein the isophthalic acid in the copolyamide MACMI/12 can be entirely or partially replaced by terephthalic acid. A test specimen 15 produced from this polyamide molding material has a Shore hardness D of preferably at least 77, and a buckling test using a PA 12 extrudate coated with this molding material is passed upon winding around a metal rod having 12 mm diameter, wherein the PA 12 extrudate for this buckling test has a diameter of 1.5 mm and is coated 0.7 mm thick. Sheaths of optical waveguides and optical cables made of this 20 polyamide molding material have a bite-inhibiting effect in relation to rodents.

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

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A MOBILE APPARATUS FOR DEPLOYMENT AND DISPLACEMENT OF DRIP IRRIGATION LINES

(51) International classification	:F16L	(71)Name of Applicant:
(31) Priority Document No	:219780	1)WEISS, Yehiel
(32) Priority Date	:14/05/2012	Address of Applicant : Moshav Bet Helqia 10, D.N. Nahal
(33) Name of priority country	:Israel	Soreq, 76815, Israel
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WEISS, Yehiel
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Apparatus for allowing the displacement of one or more flexible irrigation pipes between parallel rows of crops, which comprises a longitudinally frame with top and bottom surfaces for continuously accommodating portions of the pipes while transferring each of the pipes from a current row to a target row, and pairs of front pipe guiding members located at one side of the frame, spaced along its length and corresponding number of pairs of rear pipe guiding members asymmetrically located at the opposite side of the frame and spaced along its length. The front and rear pipe guiding members are located on the surface of the frame. The pipe guiding members are used for routing each pipe treaded between each pair of the rear pipe guiding members and each corresponding pair of the front pipe guiding members respectively from the current row to the target row.

No. of Pages: 24 No. of Claims: 9

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HOSPITAL BED AND MEDICAL DEVICE COMPRISING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A61G :201220251041.4 :30/05/2012 :China :NA	(71)Name of Applicant:  1)Siemens Aktiengesellschaft Address of Applicant: Wittelsbacherplatz 2, 80333 M½nchen, Germany (72)Name of Inventor:
Filing Date	:NA	1)Zhang Wen Ju
(87) International Publication No	: NA	2)Zhao Wen jiang
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed in the present invention are a hospital bed, and a medical device comprising the hospital bed. The hospital bed comprises a bed board having a scanning area and a non-scanning area, the non-scanning area having a non-carbon fiber outer layer and being fixedly secured to said scanning area. The hospital bed and the medical device comprising the hospital bed in the present invention significantly reduce the costs of the hospital bed due to the use of a non-carbon fiber material as the outer layer in the non-scanning area of the hospital bed.

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

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ASSEMBLY COMPOSED OF AN EMERGENCY RESPIRATOR AND OF ITS WALL MOUNT

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) Name of Inventor: (84) International Publication No (85) International Publication Number Filing Date (86) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Application Number Filing Date (89) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) Address of Applicant: 6 RUE GEORGES BESSE, 92160, ANTONY, FRANCE (72) Name of Inventor: (72) DAVOINE ROMAIN	<ul> <li>(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date</li> </ul>	:1255314 :07/06/2012 :France :NA :NA : NA : NA :NA	ANTONY, FRANCE (72)Name of Inventor: 1)CHAFFARD DENIS
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#### (57) Abstract:

The invention relates to an assembly composed of a respirator (10) and of a mount (20), with a 15 fixing system (31) for fixing it to a wall. A hooking system (1, 11; 2, 21) allows the respirator (10) to be placed in a coupling position on the mount (20). A locking system (1, 12, 13; 40-45) allows the respirator (10) to be immobilized in a locking position on the mount (20). The locking system (1, 12, 13; 40-45) comprises first locking means (1, 12, 13) carried by the respirator (10), and second locking means (40-45) carried by the mount (20), in such a way as 20 to allow the respirator (10) to be fixed rigidly on the mount (20) in the locking position. An electrical connection system (51-55) makes it possible to ensure an electrical connection between the respirator (1) and the mount (20). The first locking means (1, 12, 13) comprise an abutment (13). The second locking means (40-45) comprise a pivoting detent (40). The detent (40) cooperates with the abutment (13) in order to hold the respirator (10) securely on the 25 mount (20) in the locking position, the detent (40) being carried by a detent support (42) and being actuated by a spring (41) which bears normally on the front part (45) of the detent (40) in order to ensure said secure hold of the respirator (10) on the mount (20) in said locking position. The assembly composed of respirator and mount is usable especially during emergency interventions requiring assisted ventilation of a patient.

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

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONTROL DOOR FOR AIR CONDITIONER

(51) International classification :F24F (31) Priority Document No :10-2012- 0153737 (32) Priority Date :26/12/201 (33) Name of priority country :Republic of Korea (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant: 231, YANGIAE-DONG, SEOCHO- 2 KU, SEOUL 137-938, KOREA Republic of Korea 2)KIA MOTORS CORP. (72)Name of Inventor: 1)MOON SEUNG HOON 2)KIM KYUNG HOE 3)KIM SEUNG WOOK 4)YANG JAE MIN
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#### (57) Abstract:

Disclosed herein is a control door for an air conditioner. The control door includes a door panel that includes a plurality of discharge apertures, and is located around a vent of a housing of the air conditioner and is configured to slide to close and open the vent via the discharge apertures. A take-up shaft is disposed on each of opposite sides of the vent of the housing of tile air conditioner, each of opposite ends of the door panel is wound onto the take-up shaft. The control door further includes a drive part configured to transmit a rotating force to the take-up shaft, to allow the door panel to slide around the vent of the housing of the air conditioner.

No. of Pages: 14 No. of Claims: 9

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: YARN WINDING APPARATUS

(51) International classification  (31) Priority Document No  (32) Priority Date (32) Priority Date (33) Name of priority country (34) International Application No Filing Date (35) International Publication No Filing Date (36) International Publication No Filing Date (37) International Publication No (38) International Publication No (39) International Publication No (40) Patent of Addition to Application Number Filing Date (41) Priority Document No Supplication No Supplication Number Filing Date Supplication Number Filing Date Supplication Number	(71)Name of Applicant: 1)TMT MACHINERY, INC. Address of Applicant:6TH FL., OSAKA GREEN BLDG., 2- 2 6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541- 0041, JAPAN (72)Name of Inventor: 1)KINZO HASHIMOTO 2)FUTOSHI KITAYAMA 3)AKINORI KISHINE 4)KENJI SUGIYAMA
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#### (57) Abstract:

An object is to provide a yarn winding apparatus in which a contact roller is supported so as to be swingable about a body, wherein vibration of a swing arm is suppressed without spoiling function of the contact roller to add contact pressure. [Solution] A swing arm 31 supported on a body 10 by a swing shaft 32 and swingable around the swing shaft 32, a contact roller 33 supported by the swing arm 31 and contacting a package P formed on winding bobbins B with which a bobbin holder 21 is equipped, and a vibration suppression device 60 which has a mass object 61 and a restriction member 63 supporting the mass object 61 with flexibility and is provided in the swing arm 31 so that the mass object 61 and the restriction member 63 coUidee each other by vibration of the swing arm 31 are provided. A component of the flexibility of the mass object 61 is provided at least within a plane perpendicular to the swing shaft 32 of the swing arm 31 and in circular direction centering on the swing shaft 31.

No. of Pages: 29 No. of Claims: 4

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RESIN MOLDED BODY AND METHOD OF MANUFACTURING SAME

(51) International classification	:B29C	(71)Name of Applicant:
(31) International classification	·2012-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	2012-	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
	113792	KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611 JAPAN
(32) Priority Date	:17/05/2012	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)FUKAMI YUNOSUKE
(86) International Application No	:NA	2)KIMURA TSUNEHISA
Filing Date	:NA	3)KIMURA FUMIKO
(87) 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 resin molded body includes a polymeric material, such as one of a thermoplastic resin, a thermosetting resin, elastomer, and rubber, to which a required amount of ferromagnetic glittering agent having shape anisotropy is added. At a time when the polymeric material is in a molten resin state inside of a mold cavity, the polymeric material is subjected to the three-axis orientation control and orientation distribution control performed by applying a rotating magnetic field to the molten resin at a required position, adjusting an orientation of the ferromagnetic glittering agent mixed in the molten resin, and shifting the ferromagnetic glittering agent mixed in the molten resin in a required direction, and the ferromagnetic glittering agent mixed in the molten resin is then shifted to a design surface side to be thereby concentratedly distributed for orientation.

No. of Pages: 70 No. of Claims: 9

(22) Date of filing of Application :03/05/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : AIRCRAFT AND METHOD FOR DISPLAYING A VISUAL INFORMATION ASSOCIATED TO FLIGHT PARAMETERS TO AN OPERATOR OF AN AIRCRAFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B64C :12425089.5 :11/05/2012 :EPO :NA :NA :9 :NA :NA	,
(62) Divisional to Application Number	:NA	
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#### (57) Abstract:

There is described an aircraft (1, 1, 1, 1), comprising a windscreen (50, 50, 50, 50) arranged in a front side of aircraft (1, 1, 1, 1, 1, 1, 1) characterized in that an edge (55) of windscreen (50, 50, 50, 50) defines a visualization area (49) visible by an operator, and by comprising displaying means (58) configured for displaying at least one visual information (20, 25) of at least one flight parameter within visualization area (49), at least when aircraft (1, 1, 1, 1) is in a normal flight configuration.

No. of Pages: 40 No. of Claims: 17

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: WIND TURBINE WITH SINGLE STAGE LARGE-RATIO SPEED INCREASER GEARBOX

(86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication No Filing Date Filing Date (88) International Publication No SNA (89) International Publication No SNA (81) PAN-CHIEN LIN SNA (82) Divisional to Application Number SNA (83) International Application No SNA SNA (84) PAN-CHIEN LIN SNA SNA SNA SNA SNA SNA SNA SNA SNA SN	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:101115919 :04/05/2012 :Taiwan :NA :NA :NA :NA :NA	Address of Applicant :32-22, LANE 112, CHULIN ROAD, CHUNGLIN, HSINCHU COUNTY, TAIWAN (72)Name of Inventor:
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## (57) Abstract:

A single-stage speed increaser gearbox for wind turbine for changing an input speed at an input shaft connected to a turbine blade shaft of the wind turbine to an output speed at an output shaft connected to an electric generator of the wind turbine. The gearbox has a coaxial pair of ring gears including a large ring gear having a pitch diameter A and a small ring gear having a pitch diameter D. A coaxial pair of spur gears includes a large spur gear having a pitch diameter B and a small spur gear having a pitch diameter C. The large spur gear meshes with the large ring gear and the small spur gear meshes with the small ring gear, forming two meshing pairs. A carrier member is connected to the output shaft of the gearbox. Two gears of one of the two coaxial pairs are fixed together to operate epicyclically on the carrier. One gear of the other of the two coaxial pairs is fixed to the frame of the apparatus and the other gear is connected to the input shaft. The four gears satisfy the dimensional relationship of A = K + i, B = K, C = K - j and D = K + i - j - j, wherein K, i and j are integers.

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

(22) Date of filing of Application :08/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : IMPACT ABSORPTION MECHANISM FOR STEERING COLUMN AND STEERING COLUMN DEVICE INCLUDING IMPACT ABSORPTION MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:Japan :NA :NA : NA :NA	(71)Name of Applicant:  1)JTEKT CORPORATION  Address of Applicant:5-8, MINAMISEMBA 3-CHOME, CHUO-KU, OSAKA-SHI, OSAKA 542-8502, JAPAN (72)Name of Inventor:  1)TERUO TSUTSUI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/ `		

#### (57) Abstract:

An impact absorption mechanism (5) includes: a steering column that rotates about a rotation center that coincides with a rivet (101) that moves toward a front of a vehicle due to an impact load (PI) larger than or equal to a predetermined load; a bracket (37) that supports the steering column such that the steering column is rotatable and that is connected to a vehicle body-side member (38); and an impact absorption plate (50) that is connected to the bracket (37), and that has a first impact absorption piece (501) that plastically deforms upon reception of the impact load from the rivet (101) and a second impact absorption piece (502) that contacts the rivet (101) that leaves from the first impact absorption piece (501).

No. of Pages: 19 No. of Claims: 5

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEMS, DEVICES, AND METHODS FOR SECURING TISSUE USING SNARE ASSEMBLIES AND SOFT ANCHORS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61B :13/465,376 :07/05/2012	l '
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MEHMET SENGUN
(87) 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:

Systems, devices, and methods are provided for securing soft tissue to bone. One exemplary embodiment of a surgical soft tissue repair device includes a snare assembly coupled to a soft anchor in which the soft anchor has a first, unstressed configuration that can be used to insert the anchor into bone and a second, anchoring configuration that can be used to fixate the anchor in the bone. The snare assembly can be configured to actuate the anchor from the first configuration to the second configuration, and it can also be used to engage and approximate tissue by drawing the tissue closer to the anchor fixated in the bone. The snare assembly can be used in conjunction with a number of different anchor configurations, and other exemplary systems, devices, and methods for use with soft tissue repair are also provided.

No. of Pages: 46 No. of Claims: 16

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ABLATION TARGETING NERVES IN OR NEAR THE INFERIOR VENA CAVA AND/OR ABDOMINAL AORTA FOR TREATMENT OF HYPERTENSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:A61M :61/644,724 :09/05/2012 :U.S.A. :NA :NA : NA : NA	* * * * * * * * * * * * * * * * * * * *
(62) Divisional to Application Number Filing Date	:NA :NA	4)TOM A. DITTER

#### (57) Abstract:

A method for the treatment of a patient for the purpose of lowering blood pressure and/or treating other medical conditions such as cardiac arrhythmias. A catheter having an ablation element is placed inside the body of a patient and is directed to a targeted location either on in the abdominal aorta where the right or left renal arteries branch from the aorta at or near the superior junction or ostia or on the inside of the inferior vena cava near the junction with the right renal vein 10 or in the left renal vein at a position spatially near where the left renal artery branches from the abdominal aorta. Catheters designed for use in the method where these targeted locations are also disclosed and claimed.

No. of Pages: 37 No. of Claims: 40

(22) Date of filing of Application :09/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A COMPRESSION DEVICE, AND A THERMODYNAMIC SYSTEM COMPRISING SUCH A COMPRESSION DEVICE

(51) International classification (31) Priority Document No	:F04B :12/55460	(71)Name of Applicant: 1)DANFOSS COMMERCIAL COMPRESSORS
(32) Priority Date (33) Name of priority country	:12/06/2012 :France	Address of Applicant :ROUTE DEPARTEMENTALE 28 ZI LIEUDIT LES COMMUNAUX REYRIEUX, 01600 TREVOUX
(86) International Application No	:NA	FRANCE
Filing Date (87) International Publication No.	:NA : NA	(72)Name of Inventor: 1)BONNEFOI, PATRICE
(87) International Publication No (61) Patent of Addition to Application Number	:NA	2)LOVAN, KONGKHAM
Filing Date	:NA	3)LANDRE, ALEXANDRE
(62) Divisional to Application Number	:NA	4)GENEVOIS, DAVID
Filing Date	:NA	

### (57) Abstract:

The compression device (6) according to the invention comprises first and second compressors (7, 8) moimted in parallel and an oil level equalization line (44) arranged to fluidly correct the oil sumps (31) of the first and second compressors (7, 8). The oil level equalization line (44) comprises at least one oil level regulating portion (45) positioned near one of the first and second compressors (7, 8) and including a dam wall extending transversely to the longitudinal direction of said oil level regulating portion (45) and a flow opening arranged such that, when the oil level in the oil sump (31) of the compressor situated near the oil level regulating portion (45) extends above the upper level of the dam wall, oil flows through the flow opening toward the other compressor.

No. of Pages: 23 No. of Claims: 16

(22) Date of filing of Application :09/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : VARIABLE CUTOFF FOLDING DEVICE AND PRINTER COMPRINSING VARIABLE CUTOFF FOLDING DEVICE

(51) International classification	:B65H	(71)Name of Applicant
(31) Priority Document No	:2012-	(71)Name of Applicant: 1)KABUSHIKI KAISHA TOKYO KIKAI SEISAKUSHO
• /	255597	Address of Applicant :26-24, SHIBA 5-CHOME, MINATO-
(32) Priority Date (33) Name of priority country	:21/11/2012 :Japan	KU, TOKYO 108-8375, JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)MUTSUHITO YONETA
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A variable cutoff folding device 1 comprising a folding cylinder 40 and a jaw cylinder 50, the folding cylinder 40 comprising: a paper edge holding mechanism 41 configured capable of holding a front edge portion in a conveying direction of an individual sheet FP and capable of changing a timing for releasing holding of the individual sheet FP based on a length in the conveying direction of the individual sheet FP; and a thrust blade mechanism 43 configured capable of thrusting the individual sheet FP to an outer side in a radial direction of the folding cylinder and capable of changing a position in a circumferential direction in the folding cylinder 40 based on the length in the conveying direction of the individual sheet FP.

No. of Pages: 92 No. of Claims: 7

(21) Application No.1140/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention : MEASUREMNT OF A RESISTANCE OF A SWITCHING CONTACT OF AN ELECTRICAL CIRCUIT BREAKER

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (34) International Application No Filing Date (51) International Application No (51) Name of Applicant: (52) Name of Inventor: (53) Name of Applicant: (51) Name of Applicant: (51) Name of Applicant: (51) Name of Applicant: (51) Name of Applicant: (52) Name of Applicant: (52) Name of Applicant: (52) Name of Applicant: (52) Name of Applicant: (51) Name of Applicant: (52) Name of Applicant: (52) Name of Applicant: (51) Name of Applicant: (51) Name of Applicant: (52) Name of Applicant: (52) Name of Inventor: (52) Name of Applicant: (52) Name of Inventor: (53) Name of Applicant: (54) Name of Applicant: (54) Name of Appli	(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number  (31) Priority Document No (12 003 726.2 (Address of Applicant : OBERI AUSTRIA (72)Name of Inventor:  1) ULRICH KLAPPER  1) ULRICH KLAPPER  1) ULRICH KLAPPER	
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#### (57) Abstract:

Measurement of a resistance of a switching contact of an electrical circuit breaker The present invention relates to a measuring device (10) for measuring a resistance of a switching contact (5) of an electrical circuit breaker (1). The measuring device (10) comprise\$ a high-current generating unit (11) for generating a measurement current for the resistance measurement, and a measuring unit (12) for registering a measurement signal at the circuit breaker (1) during the opening or closing of the switching contact (5), and for determining a time-based resistance course of the switching contact (5) during opening or closing, in dependence on the measurement current and the measurement signal.

No. of Pages: 18 No. of Claims: 14

(19) INDIA

(21) Application No.1221/DEL/2013 A

(22) Date of filing of Application :25/04/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: AXLE ASSEMBLY

(51) International classification	:F16D	(71)Name of Applicant :
(31) Priority Document No	:12172078.3	1)MERITOR TECHNOLOGY, LLC
(32) Priority Date	:14/06/2012	Address of Applicant :2135 WEST MAPLE ROAD, TROY
(33) Name of priority country	:EUROPEAN	MI MICHINGAN 48084, U.S.A. U.S.A.
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)FABRIZIO ALBERGANTE
Filing Date	:NA	2)DAVIDE COLOMBO
(87) International Publication No	: NA	3)DHANAPAL VITTALA RAYA
(61) Patent of Addition to Application Number	:NA	4)MARCO BASSI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An axle assembly having two hubs, each for connection to a wheel, a housing for differential gears and a mounting arrangement for a braking system for braking a connected wheel. The housing has a depression formed therein. The depression is configured so as to accommodate: (a) when the mounting arrangement has a drum brake mounted thereon, 10 movement of a slack adjuster of the drum brake in a direction away from one of the hubs nearest said drum brake so as to allow detachment of the slack adjuster; and/or (b) when the mounting arrangement has a disc brake mounted thereon, an air chamber of the braking system, wherein the air chamber is capable of being partially accommodated within the depression.

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

(21) Application No.1222/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SENSOR-CARRIER CAP FOR A BEARING OF A WHEEL HUB

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>		(71)Name of Applicant:  1)AKTIEBOLAGET SKF Address of Applicant: 41550 GOTEBORG, SWEDEN Sweden (72)Name of Inventor:  1)LUCA CIULLA 2)WILLIAM FINETTI 3)PHILIPPE WEBER
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	3)PHILIPPE WEBER
Filing Date	:NA	

## (57) Abstract:

A sensor-carrier cap (30) for a bearing of a wheel hub, the cap being made of plastic material and having: - a bottom wall (31) arranged transversely to a central axis (A) and 5 providing a seat (31) for accommodating a sensor, - a cylindrical mounting wall (32) extending axially from one side of the bottom wall (31) around the axis (A); - snap locking means (37b, 39) projecting in a radially outer direction from the cylindrical wall (32), for locking the sensor-carrier cap on a 10 tubular appendage (23) of a wheel hubbearing.

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

(21) Application No.1420/DEL/2013 A

(19) INDIA

(22) Date of filing of Application: 13/05/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: APPARATUS HAVING AT LEAST ONE SIM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04M :12169480.6 :25/05/2012 :EUROPEAN UNION :NA :NA	(72)Name of Inventor : 1)NOUSIAINEN, MARKO 2)RAHIKAINEN, ILKKA
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	2)RAHIKAINEN, ILKKA 3)UHARI, TOMMI 4)KOKKONEN, JARI A.

#### (57) Abstract:

A switch operably couplable with a general controller, a plurality of subscriber identification modules, a subscriber identification module controller, and one or more radio modems, each of the one or more radio modems being configured to wirelessly communicate with at least one base station of a radio system, The switch receives control data from the general controller. The switch is capable of regulating, on the basis of the control data, one or more first couplings and one or more second couplings simultaneously, the one or more first couplings being formed between one or more subscriber identification modules and the subscriber identification modules and the radio modems.

No. of Pages: 63 No. of Claims: 12

(21) Application No.1420/DELNP/2006 A

(19) INDIA

(22) Date of filing of Application :14/03/2006 (43) Publication Date : 13/02/2015

(54) Title of the invention : PROCESS FOR PREPARATION OF ESTERS OF 2-DIAZO-3-TRIMETHYLSILYLOXY-3-BUTENOIC ACID

## (57) Abstract:

The present invention relates to a process for the preparation of esters of 2-diazo-3-trimethylsilyloxy-3-butenoic acid which comprises reacting a diazoacetoacetate with iodotrimethylsilane in the presence of an organic base, wherein iodotrimethylsilane is prepared by reacting hexamethyldisilane with iodine. The present invention further relates to converting such esters of 2-diazo-3-trimethylsilyloxy-3-butenoic acid to other compounds, such as a substituted diazoazetidinone, an azetidinone, or a bicyclo ketoester.

No. of Pages: 23 No. of Claims: 17

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PLANT FOR MANUFACTURING CONTAINERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B67C :TO2012U 000080 :30/04/2012 :Italy :NA :NA : NA :NA	(71)Name of Applicant:  1)SIDEL S.P.A. CON SOCIO UNICO Address of Applicant: VIA LA SPEZIA, 241/A PARMA ITALY (72)Name of Inventor: 1)EMILIO CAVAZZINI 2)FABRIZIO VAIA 3)BANGERA SUBBA
11		
(62) Divisional to Application Number Filing Date	:NA :NA	
		•

#### (57) Abstract:

There is disclosed a plant (1) for manufacturing first and second containers (2, 3) filled with a pourable product, 5 comprising a support structure (4); a first module (10) and at least one second module (15); first and second conveying means (7, 8); the first module (10) and the second module (15) each comprising in turn: a first filling station (11, 16) comprising a plurality of first filling valves (50a, 10 50b, 50c, 50d) adapted to fill the first/second containers (2, 3) and a first capping station (12, 17) comprising a plurality of first capping heads (14) adapted to apply first closing devices (100) on first/second containers (2, 3); first and second conveying means (7, 8) comprise a 15 first conveyor (20a, 21a) supported by the structure (4) and feedable with a plurality of first and second preforms (5, 6) intended to form respective first containers (2); and a second conveyor (20b, 21b) mobile along a linear path with respect to said first filling valves (50a, 50b, 50c, 20 50d) and with respect to first capping heads (14, 19).

No. of Pages: 27 No. of Claims: 14

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR SUPPLY AND EXHAUST STRUCTURE FOR FUEL CELL

(51) International classification	:F24C	(71)Name of Applicant:
(21) Priority Dogument No.	:2012-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	107529	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:09/05/2012	KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TOMOHARU YAMAMOTO
Filing Date	:NA	2)KENGO IKEYA
(87) International Publication No	: NA	3)YOSHIFUMI TAKAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An air supply and exhaust structure for supplying a reaction air to a fuel cell and exhausting the reaction air passing through the fuel cell includes: an intake duct configured to guide reaction air to the fuel cell; an exhaust duct configured to discharge the reaction air passing through the fuel cell to an outside of the fuel cell; a blower provided in the exhaust duct and configured to suck the reaction air passing through the fuel cell to promote discharge of the reaction air; and an exhaust side shield unit which is disposed inside the exhaust duct and between the fuel cell and the blower and configured to temporarily block the reaction air discharged from the fuel cell and to retain the reaction air in a periphery of the fuel cell so as to introduce the reaction air to the fuel cell.

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

(21) Application No.1239/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXTENSION APPARATUS FOR A SUBMARINE

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:10 2012 209 082.7	1)GABLER MASCHINENBAU GMBH Address of Applicant :NIELS-BOHR-RING 5A, LUBECK
(32) Priority Date	:30/05/2012	23568 (DE) Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)GIERA, THOMAS
Filing Date	:NA	2)BUCK, DIPL-ING, CHRISTIAN
(87) International Publication No	: NA	3)MICHAELIS, MARC
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/ · · · ·		·

## (57) Abstract:

An extension apparatus arranged within the tower of a submarine can be displaced from a position within the tower into a position outside the tower. This extension device comprises a cable accumulator for a cable of an object displaceable with the extension apparatus.

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTAKE CONTROL DEVICE OF MOTORCYCLE

(51) International classification	:F02D	(71)Name of Applicant:
(21) Driggity Degument No	:2012-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	111288	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:15/05/2012	KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 JP Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TANAKA, KOICHI
Filing Date	:NA	2)TAKAMURA, NAOKI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There are provided: right and left main frames extending rearward and downward from a head pipe while enlarging a width thereof; an engine suspended at a position below the main frames; and an accelerator position sensor detecting an operation amount of a throttle grip obtained when a throttle pulley is pivoted via a throttle cable in accordance with a pivot on an opening side of the throttle grip. The accelerator position sensor is disposed in a space sandwiched by the main frames, and the throttle cable whose number is one is led from a position above the accelerator position sensor.

No. of Pages: 35 No. of Claims: 4

(21) Application No.1425/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : WATER FILTRATION SYSTEM USING HYBRID NANO CARBON, SILVER, IRON AND ALUMINIUM OXIDE

(51) International classification	:B01D	(71)Name of Applicant:
(31) Priority Document No	:13/791,058	1)CNANOZ INC.
(32) Priority Date	:08/03/2013	Address of Applicant :10716, GOLF LINK DRIVE,
(33) Name of priority country	:U.S.A.	RALEIGH, NC 27617, UNITED STATES. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SARKAR, SABYASACHI
(87) International Publication No	: NA	2)ALLAM, ABDUL
(61) Patent of Addition to Application Number	:NA	3)ALLAM, AFREEN
Filing Date	:NA	4)ALLAM, IFFAT
(62) Divisional to Application Number	:NA	5)ALLAM, ARSHEEN
Filing Date	:NA	

<sup>(57)</sup> Abstract:

The present invention relates to a filter for filtering water comprising carbon nanospheres from the pyrolytic combustion of a carbonaceous material such as plant material which are activated with silver nitrate, activated alumina and! or ferrous oxide.

No. of Pages: 35 No. of Claims: 9

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CIRCUIT BREAKER FOR PROTECTING AN ELECTRICAL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01H :12425084.6 :04/05/2012 :EPO :NA :NA : NA : NA	(71)Name of Applicant: 1)GEFRAN S.P.A. Address of Applicant: VIA SEBINA, 74-I-25050 PROVAGLIO D'ISEO, BRESCIA, ITALY (72)Name of Inventor: 1)BELLINI GIORGIO 2)CLAUDANI UGO
(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 circuit breaker (100) for protecting an electrical system (10). The circuit 5 breaker comprises a semiconductor switching element (Tl) with a first (1) and a second (2) electrical terminal connected to a mains supply line (LIN) and a control terminal (3). Such switching element (Tl) is controlled by enabling/disabling a control signal (S) applied to 10 the control terminal (3) for switching between an open/closed status and a closed/open status for connecting/disconnecting at least one load (LD) to/from the supply line (LIN). Moreover, the circuit breaker comprises a drive (DV) adapted to enable/disable the 15 control signal (S). The circuit breaker (100) is characterised in that it comprises: a current limiting circuit (200) operatively associated with the mains supply line (LIN) configured 20 for sending a first signal (SI) to the drive (DV) for disabling the control signal (S) switching the switching element (Tl) from the closed status to the open status subsequent to the detection of a current value (Ice) indicative of a failure in the system; a voltage regulator circuit (300, 400) connected to the first (1) and to the second (2) electrical terminal, comprising: dissipation means (300) of an electrical energy 5 stored on the mains supply line (LIN) subsequent to the i switching of the switching element (Tl) from the closed status to the open status, means (400) for limiting a failure voltage between the first (1) and the second (2) terminal generated by 10 peak values of the failure current (Ice). Moreover, the circuit breaker comprises an overheating safety circuit of said first (1) and second (2) electrical terminal caused by a non conforming clamping of the electrical wires connected to such 15 terminals.

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

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BRAZE COMPOSITIONS, AND RELATED DEVICES

(51) International classification	:H01M	(71)Name of Applicant:
(31) Priority Document No	:61/651,817	` /
(32) Priority Date	:25/05/2012	Address of Applicant :1, RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK 12345, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ADHARAPURAPU, RAGHAVENDRA RAO
(87) International Publication No	:NA	2)KUMAR, SUNDEEP
(61) Patent of Addition to Application Number	:NA	3)RAHMANE, MOHAMED
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A braze alloy composition for sealing a ceramic component to a metal component in an electrochemical cell is presented. The braze alloy composition includes copper, nickel, and an active metal element. The braze alloy includes nickel in an amount less than about 30 weight percent, and the active metal element in an amount less than about 10 weight percent. An electrochemical cell using the braze alloy for sealing a ceramic component to a metal component in the ceil is also provided.

No. of Pages: 20 No. of Claims: 10

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BRAZE COMPOSITIONS, AND RELATED DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B23K :61/651,817 :25/05/2012 :U.S.A. :NA :NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)KUMAR, SUNDEEP 3)RAHMANE, MOHAMED
Filing Date	:NA	

## (57) Abstract:

A braze alloy composition for sealing a ceramic component to a metal component in an electrochemical cell is presented. The braze alloy composition includes nickel, silicon, boron, and an active metal element. The braze alloy includes nickel in an amount greater than about 50 weight percent, and the active metal element in an amount less than about 10 weight percent. An electrochemical cell using the braze alloy for sealing a ceramic component to a metal component in the cell is also provided.

No. of Pages: 24 No. of Claims: 23

(21) Application No.1447/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TUNABLE VIBRATION ENERGY HARVESTER AND METHOD

(51) International classification (31) Priority Document No	:A01D :13/529,412	1 '
(32) Priority Date (33) Name of priority country	:21/06/2012 :U.S.A.	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)WOOD, ALAN RUTHVEN 2)OU, QING
(61) Patent of Addition to Application Number	:NA	3)LEIGH, NIGEL TREVOR
Filing Date	:NA	4)CHEN, XIAOQI
(62) Divisional to Application Number	:NA	5)GUTSCHMIDT, STEFANIE
Filing Date	:NA	

## (57) Abstract:

In one embodiment, an energy harvester is provided. The energy harvester includes, an energy conversion device configured to convert vibrational energy to electrical energy, a mass coupled to the energy conversion device, and at least one biasing mechanism coupled to the mass. The biasing mechanism is selectively adjustable and selectively adjusting the biasing mechanism adjusts a resonance frequency of the energy conversion device and the mass.

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

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LUMEN OCCLUDING STENT, DELIVERY CATHETER AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :13/707,272 :06/12/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	
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## (57) Abstract:

A permanent acute occlusion implantable device and method are described for immediate occlusion of a body lumen, such as blood vessels and the fallopian tubes of the human female, wherein an balloon expandable lumen occlusion device is placed within the lumen to be occluded. After inflating the balloon, the balloon is withdrawn leaving the expanded occlusion device in the lumen. The device is encased in an occluding impervious sheath and therefore completely occludes the lumen once the device is delivered and anchored into the inner wall of the body lumen.

No. of Pages: 28 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :25/04/2013

(21) Application No.1209/DEL/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: COMBINE

(51) International classification	:A01F	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)ISEKI & CO., LTD.
(51) 11101103 20001110110	115045	Address of Applicant :700 Umaki-cho, Matsuyama-shi,
(32) Priority Date	:18/05/2012	Ehime-ken, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Masami Osaki
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=) A1		•

#### (57) Abstract:

To provide a Combine comprising a small-sized power transmission device for transmitting the driving force of the engine to the harvesting device and the threshing device, and providing the enhanced durability and ease of maintenance. [Solution] There provided is a Combine comprising a power transmission device (9) provided in the front of the threshing device (10) and transmitting the driving force of an engine (3) to the harvesting device (5) and the threshing device (10); wherein the power transmission device (9) includes: a first rotation member (91) driven by the driving force from the engine (3) and feeding the driving force to the winnowing unit (6); a second rotation member (92) driven by the driving force transmitted from the first rotation member (91) and feeding the driving force to the threshing unit (7); and a third rotation member (93) driven by the driving force transmitted from the second rotation member (92) and feeding the driving force to the harvesting device (5).

No. of Pages: 35 No. of Claims: 9

(21) Application No.1455/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A STEAM RANKINE CYCLE SOLAR PLANT AND METHOD FOR OPERATING SUCH PLANTS

<ul> <li>(51) International clas</li> <li>(31) Priority Documes</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>(86) International Appriling Date</li> <li>(87) International Publication</li> <li>(61) Patent of Addition</li> <li>Filing Date</li> <li>(62) Divisional to Appril</li> </ul>	nt No country blication No lication No n to Application Number	:F01K :12169424.4 :25/05/2012 :EUROPEAN UNION :NA :NA :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)HERZOG, MAURUS 2)RAY, SUMAN
(62) Divisional to App Filing Date	plication Number	:NA :NA	

#### (57) Abstract:

The invention relates to a steam Rankine cycle solar plant (10) and a method of operating thereof. The plant (10) comprises a high-pressure steam turbine (20) with an inlet (22), an intermediate stage (24) that is downstream of a first stage, and an outlet (26). A lower-pressure steam turbine (30) with an inlet (32) is fluidly connected to the outlet (26) of the high-pressure steam turbine (20). The plant (10) further comprises a focal point solar concentrator (40) that is configured and located to superheat steam, by either direct or indirect means, as it is fed to the high-pressure steam turbine (20), and a first linear solar concentrator (42) that is configured and located to reheat steam from the high-pressure steam turbine (20) as it is fed to the lower-pressure steam turbine (30)- Fig 1

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

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STEAM RANKINE CYCLE SOLAR PLANAT AND METHOD FOR OPERATING SUCH PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	UNION :NA :NA : NA :NA :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)HERZOG, MAURUS
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a Steam Rankine cycle solar plant 10 and a method of operating thereof. The plant 10 comprises a steam generator 20 for generating steam from solar thermal energy, a feed line 32 connected to the steam generator 20 and a multi-stage turbine 30, with a first stage and an intermediate stage downstream of the first stage, connected to the steam generator 20 by the feed line 32. The plant 10 further includes an overload valve 45 located in the feed line 32. This overload valve 45 is configure and arranged to limit the steam pressure of the first stage by directing at least a portion of the steam into the intermediate stage above a predetermined steam turbine inlet pressure.

No. of Pages: 14 No. of Claims: 6

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR OPERATING A FUEL SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M :102012207744.8 :09/05/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant:POSTFACH 30 02 20, 70442  STUTTGART, GERMANY  (72)Name of Inventor:  1)HERMES, HENNING
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## (57) Abstract:

The present subject matter relates to a method for operating a fuel system (10) for an internal combustion engine, wherein the fuel system (10) comprises at least one electrically driven fuel supply pump (16), and wherein the electric fuel supply pump (16) is switched to an operating voltage (48) by means of a relay (40) periodically pulsed in the manner of the pulse width modulation (59). Thereby, a duty cycle (60) of the pulse width modulation (59) is controlled and/or regulated as a function of a fuel quantity (58) to be supplied.

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

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHODS AND SYSTEM FOR DISPLAYING SEGMENTED IMAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G06F :13/482660 :29/05/2012 :U.S.A. :NA :NA	,
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A method for displaying a segmented two-dimensional (2D) image includes obtaining a three-dimensional (3D) volume dataset corresponding to an imaged volume along a viewing plane, segmenting an object of interest within 3D volume to generate a plurality of segmented two-dimensional (2D) images along the viewing plane, selecting a reference image for viewing from the plurality of segmented 2D images, and displaying the reference image, the reference image having a first segmentation boundary drawn around the object of interest and a second segmentation boundary drawn around the object of interest, the first segmentation boundary being derived from the segmentation perfonned on the reference image and the second segmentation boundary being derived from the segmentation perfonned on at least one non-reference image of the plurality of segmented 2D images.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR PROVIDING ELECTRIC POWER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F :13/485,657 :31/05/2012	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK, 12345, USA. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ZHOU, ZHI
(87) International Publication No	: NA	2)PRESLEY, JAMES ROBERT
(61) Patent of Addition to Application Number	:NA	3)DEMUTH, RUSSELL STEPHEN
Filing Date	:NA	4)YIN, MING
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An electrical power unit provides electrical power to an electrical component (12) on-board an aircraft (100). The electrical power unit (10) includes a hydrogen generation system (16) configured to be positioned on-board the aircraft. The hydrogen generation system is further configured to generate hydrogen using a reaction between water and metal. The electrical power unit also includes a fuel cell (14) configured to be positioned on-board the aircraft. The fuel cell is operatively connected to the hydrogen generation system such that the fuel cell receives hydrogen from the hydrogen generation system. The fuel cell is further configured to generate electrical power from the hydrogen received from the hydrogen generation system and to be electrically connected to the electrical component for supplying the component with electrical power.

No. of Pages: 32 No. of Claims: 15

(21) Application No.1457/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: BELT FOR CONVEYOR SYSTEM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B65G :13/473,949 :17/05/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	·
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## (57) Abstract:

A belt for a conveyor system generally includes a ribbon of elastomeric material and a plurality of reinforcing cords connected to the ribbon. The ribbon defines a central longitudinal axis and a pair of side edges extending parallel to the longitudinal axis. At least some of the cords have ends positioned between the longitudinal axis and a side edge.

No. of Pages: 24 No. of Claims: 25

(21) Application No.1458/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND DEVICE FOR ACTIVATING AT LEAST ONE SOFTWARE-BASED FUNCTION IN AT LEAST ONE ELECTRONIC CONTROL UNIT OF A MOTOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06M :102012209189.0 :31/05/2012 :Germany :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY (72)Name of Inventor:  1)FISCHER, WERNER  2)AUE, AXEL
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present subject matter relates to a method for activating at least one softwarebased function in at least one electronic control unit (104) of a motor vehicle (105), wherein a unique address is assigned to the control unit (104), via which the control unit (104) is accessible, and a supplier-end server (100) on the control unit (104) transmits data for activating the software-based function via an online connection, wherein the control unit (104) is responsive at the provider side by the stored address uniquely assigned to the control unit (104).

No. of Pages: 18 No. of Claims: 10

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM FOR NON-PNEUMATIC SUPPORT OF A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60C :13/474,816 :18/05/2012 :U.S.A. :NA :NA :NA :NA :NA	
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#### (57) Abstract:

A non-pneumatic tire includes a plurality of springs. Each spring includes a first end portion, a second end portion, and an arching middle portion. Each spring is interwoven with at least one other spring thereby forming a toroidal structure extending about an entire circumference of the non-pneumatic tire. The toroidal structure is at least partially coated with an elastomer. One end portion of at least one spring is secured to a first bead spring adjacent a rim.

No. of Pages: 47 No. of Claims: 10

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEMS, DEVICES AND METHODS FOR SECURING TISSUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :13/465,288 :07/05/2012 :U.S.A. :NA :NA :NA :NA :NA	
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#### (57) Abstract:

Systems, devices, and methods are provided for securing soft tissue to bone, for securing one or more objects using a surgical filament, and for drawing two or more tissues together so they can be secured in a desired location. One exemplary embodiment of a surgical repair construct that is configured to atraumatically pass through soft tissue to secure tissue in a knotless manner includes a snare linkage, a collapsible loop, and a flexible suture pin. The snare linkage can include a collapsible snare for receiving the collapsible loop, and in use the snare can be collapsed around the collapsible loop and advanced distally towards the bone until the snare is proximate to the tissue, while the collapsible loop can be collapsed distally towards the bone to bring the tissue into proximity with the bone. Other exemplary systems, devices, and methods for use with soft tissue repair are also provided.

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

(21) Application No.1409/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DETACHABLE COUPLING FOR CATHETER

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/526,611 :19/06/2012	·
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#### (57) Abstract:

A microcatheter comprising an elongate flexible tubular body, a tip body and a coupling is disclosed. The elongate flexible tubular body has a proximal end. a distal end and at least one lumen extending axially therethrough. The tip body has a proximal end and a distal end and a lumen extending axially therethrough. The coupling covers a portion of both the tubular body and tip body and is made from a first material and a P second material, where the first material is different from the second material. Ihe first material is compatible with an outermost layer of the tubular body and an outermost layer of the tip body, and the second material is configured to form a detachable bond with at least one of the tubular body and the tip body.

No. of Pages: 30 No. of Claims: 20

(21) Application No.1461/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: YARN SPLICING DEVICE, YARN SPLICING SYSTEM, AND TEXTILE MACHINE

(51) International classification	:B65H :2012-	(71)Name of Applicant: 1)MURATA MACHINERY, LTD.
(31) Priority Document No (32) Priority Date	120175	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326,
(33) Name of priority country	:Japan	JAPAN
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SAWADA AKIRA
(87) International Publication No	: NA	I)SAWADA AKIKA
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A twisting nozzle (73) adapted to twist yarn ends; and a twisting airflow supplying mechanism (42) adapted to supply compressed air to generate a twisting airflow with respect to the twisting nozzle (73) and to switch a whirling direction of the twisting airflow and/or to switch a generating region of the twisting airflow, wherein the twisting airflow for twisting the yarn ends is generated in the whirling direction and/or the generating region in accordance with a twisting condition of the yarn to be performed with a yarn splicing operation by a control on the twisting airflow supplying mechanism (42).

No. of Pages: 57 No. of Claims: 11

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: RECORDING DEVICE AND DETECTION STRUCTURE IN A RECORDING DEVICE

(51) T	D.444	(71)
(51) International classification	:B41J	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SEIKO EPSON CORPORATION
(31) Thomas Boument 110	126763	Address of Applicant :4-1, NISHISHINJUKU 2-CHOME,
(32) Priority Date	:04/06/2012	SHINJUKU-KU, TOKYO 163-0811, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ARUGA, YUICHI
Filing Date	:NA	
(87) 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 recording device can detect with a space-saving detector recording media conveyed from different directions. A recording device has a detector 30 that detects continuous paper S1 and slips S2, and a plurality of conveyance paths 15, 16 convey the continuous paper S1 and slips S2 from different directions to the detector 30. The detector 30 has a detection lever 31 that pivots on a specific part as the pivot axis when contacted by the leading end of the continuous paper S1 or slip S2 conveyed from the conveyance paths 15, 16. The detection lever 31 has a plurality of contact surfaces 34, 35 that are contacted by the continuous paper S1 and slip S2 and correspond to the plural conveyance paths 15, 16, formed on one side of the pivot axis.

No. of Pages: 32 No. of Claims: 7

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HYDRAULIC SERVO-CONTROL OF A SERVO-CONTROLLED GEARBOX

(54) 5		
(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:BO2012A	1)MAGNETI MARELLI S.P.A.
(31) Thomas Document No	000233	Address of Applicant :CORBETTA VIALE ALDO
(32) Priority Date	:27/04/2012	BORLETTI, 61/63, ITALY
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:NA	1)STEFANO GIORGINI
Filing Date	:NA	2)ANDREA BERSANI
(87) International Publication No	: NA	3)LUCA BOVINA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hydraulic servo-control (1) of a servo-controlled 5 gearbox provided with a hydraulic accumulator (3), which is in turn provided with an outer housing (7) and a piston (12) provided so as to be axially sliding inside the outer housing (7) and adapted to define a first variable-volume chamber (CI) for a gaseous material and a second variable- 10 volume chamber (C2) for a control fluid under pressure; and limit stop means (21) arranged at an open end of the outer housing (7) which serve as a lower limit stop element; wherein the outer housing (7) is provided with an upper limit stop element (20), which is provided so as to limit 15 the pressure value inside the first variable-volume chamber (CI) within a predetermined safety range.

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

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FILTER, DUPLEXER, AND COMMUNICATION MODULE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H03H :2012- 118881 :24/05/2012 :Japan	(71)Name of Applicant:  1)TAIYO YUDEN CO., LTD.  Address of Applicant: 16-20 UENO 6-CHOME, TAITO-KU, TOKYO 110-0005, JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)SHOGO INOUE
Filing Date	:NA	
(87) 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 includes: acoustic wave resonators connected between an input terminal and an output terminal; and a cancel circuit including an input connection portion and an output connected so that the cancel circuit is connected in parallel to at least a part of the acoustic wave resonators, wherein the cancel circuit includes a first acoustic wave resonator connected between a node between the input connection portion and the output connection portion and a ground.

No. of Pages: 76 No. of Claims: 18

(21) Application No.1419/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SECURITY CODE (S) OF APPARATUS HAVING AT LEAST ONE SIM

(51) International classification (31) Priority Document No	:A61N :12167831.2	(71)Name of Applicant : 1)UROS OY
(32) Priority Date	:14/05/2012	Address of Applicant: TUTKIJANTIE 4, FI-90590 OULU,
(33) Name of priority country	:EUROPEAN UNION	
(86) International Application No	:NA	(72)Name of Inventor : 1)NOUSIAINEN, MARKO
Filing Date	:NA	2)RAHIKAINEN, ILKKA
(87) International Publication No	: NA	3)UHARI, TOMMI
(61) Patent of Addition to Application Number	:NA	4)KOKKONEN, JARI A.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An apparatus comprises one or more processors, one or more memories. The apparatus is portable and it comprises or is coupled with at least one subscriber identification module capable of storing one or more security codes which are used in a security code check for controlling usability of the at least one subscriber identification module with the apparatus. The apparatus obtains a request, which is associated with the security code check, from the at least one subscriber identification module for at least one security code. The apparatus controls providing an automatic response to the request with at least one security code available to the apparatus for enabling or disabling the use of the at least one subscriber identification module. The apparatus transmits a request for a security code to a server wirelessly. The server transmits wirelessly a code stored in the database to the at least one apparatus as a response to the request.

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

(22) Date of filing of Application: 17/05/2013

(21) Application No.1470/DEL/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention : GATE VALVE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16K :13/762005	
(32) Priority Date	:07/02/2013	rr,
(33) Name of priority country	:U.S.A.	TEXAS 77069 U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No.	:NA : NA	1)DEOCAMPO, HERNANI, G.
(87) International Publication No (61) Patent of Addition to Application Number	. NA :NA	2)ROBERT Y. JONES 3)HORVATH BALAZS
Filing Date	:NA	4)HENRY O. TOHILL
(62) Divisional to Application Number	:NA	5)RICKY D. KNIGHT
Filing Date	:NA	6)MELVIN B. MEDINA

#### (57) Abstract:

(19) INDIA

A gate valve system for controlling fluid flow having a valve body with a borc through which fluid can flow. The system includes a valve body having a bore to allow fluid to pass through the valve body and further having a cavity defined by substantially parallel innerside walls of the valve body, a gate wherein at least one end of the gate is defined by a radius perimeter. The system also has a bonnet that is removably coupled to a face of the valve body, wherein a portion of an innerside of the bonnet includes a curved surface adapted to mate with the at least one end of the gate defined by the radius perimeter, and an actuation mechanism operationally positioned and removably connected to the gate by way of a thru-hole in the bonnet.

No. of Pages: 31 No. of Claims: 23

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ROTATING ELECTRIC MACHINE

(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:2012- 109925	1)HITACHI LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:11/05/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIGEKI TOUNOSU
Filing Date	:NA	2)KENICHI HATTORI
(87) International Publication No	: NA	3)KENJI SEKIYA
(61) Patent of Addition to Application Number	:NA	4)DE MENG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rotating electric machine includes a rotor, a stator, 5 formed by stacking perforated-disk-shape stator cores, surrounding the rotor, arranged with a gap from the rotor, a first stator cooling duct to allow the cooling gas to flow from an inner side toward outer side of the stator, a second stator cooling duct to allow the cooling gas to flow from an outer 10 side to an inner side of the stator, a plurality of support plates for supporting the stator and providing sectioning between the first and second flow paths, and a flow control part configured to suppress a flow of the cooling gas passing through the gap part where the outer end part of the stator 15 core and the inner end part of the support plate face each other.

No. of Pages: 44 No. of Claims: 11

(21) Application No.1424/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: LITHOGRAPHIC PRINTING PLATE COMPRISING A LAMINATED SUBSTRATE

(51) International classification :G03F (31) Priority Document No :61/810,30 (32) Priority Date :10/04/201 (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 Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA Filing Date :NA	
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#### (57) Abstract:

A laminated lithographic printing plate comprising an adhesive layer that is accessible to and insoluble in (A) oleophilic inks and alkaline or acidic aqueous fountain solutions ,used dUring printing with the printing plate, and (B) alkaline or acidic aqueous developers used during development of the printing plate. This adhesive layer is also (I) soluble in an alkaline aqueous processing liquid, when said developers and said fountain solutions are acidic, (II) soluble in an acidic aqueous processing liquid, when said developers and said fountain solutions are alkaline, (III) meltable, or (IV) a dry adhesive compliant layer having a hardness of 60 Shore-A or less. This adhesive layer thus allows delamination of the printing plate.

No. of Pages: 45 No. of Claims: 33

(21) Application No.1472/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR MONITORING SENSOR DEGRADATION, PATIENT MONITOR, PATIENT MONITOR SYSTEM, PHYSIOLOGICAL SENSOR, AND COMPUTER PROGRAM PRODUCT FOR A PATIENT MONITOR

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (89) International Publication No (80) International Publication No (80) International Publication No (80) International Publication No (81) International Publication No (82) International Application No (81) International Publication No (82) International Application No (83) Name of priority country (84) NEW YORK 12345,USA. U.S.A. (72) Name of Inventor:  (72) International Application Summer in River ROAD, Schieffed Fradit in R	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA : NA :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345,USA. U.S.A. (72)Name of Inventor: 1)HUIKUM, MATTI
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#### (57) Abstract:

A method for monitoring degradation a physiological sensor connected to a patient monitor is disclosed. A patient monitor, a patient monitor system, a physiological sensor, and a computer program product are also disclosed. In order to get an early warning of an imminent breakage or wear out of a physiological sensor and to increase the life time of the sensor without compromising patient safety, history data (124) is collected for at least one sensor feature parameter into a predetermined memory location (122; 701), wherein the collected history data is indicative of past characteristics of the sensor. The history data (124) is retrieved from the predetermined memory location when the physiological sensor is connected to a patient monitor (100) and a degradation measure indicative of the degree of degradation of the physiological sensor is determined for the physiological sensor based on the history data.

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

(21) Application No.1473/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE FOR FILTERING FLUID IN A POWER GENERATING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B29D :13/494,727 :12/06/2012 :U.S.A. :NA :NA : NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

#### (57) Abstract:

This disclosure describes examples of a seal element that can prevent leaks that occur due to sagging and/or displacement of a filter device from the tubesheet in a power generating system. The seal element can have a non-uniform profile that defines a material thickness for the seal element. In one example, the non-uniform profile defines an area or section of the seal element that is thicker relative to other areas or sections of the seal element. The thicker area corresponds to certain positions on the filter device that are susceptible to movement that can occur, e.g., due to particulate build-up during operation of the turbo-machine.

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

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE FOR FILTERING FLUID IN A POWER GENERATING SYSTEM

(86) International Application No :NA Filing Date :NA (87) International Publication No : NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor:  1)JARRIER, ETIENNE RENE
(87) 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 disclosure describes embodiments of a filter device for use in power generating systems with turbo-machines. In one embodiment, the filter device comprises a two element filter set, having an inner element and an outer element. The inner element resides inside of the outer element to reduce the overall length of the filter device. In one example, the filter device mounts to a wall, or tubesheet, found in an air filter unit of the power generating system.

No. of Pages: 22 No. of Claims: 20

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: AIR CLEANER SYSTEM OF UNDERBONE MOTORCYCLE

(54) 5		(74)
(51) International classification	:A47L	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION
(31) Thomas Document No	113793	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:17/05/2012	KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASATOSHI IDO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An air cleaner system for a motorcycle provided with an underbone frame structure i s provided with an air cleaner box mounted on a down frame above and behind a front fender so as to supply air for fuel to an engine. The air cleaner box includes: a box body to open forward in the longitudinal direction of the vehicle body to form a clean side; a cap unit to close an opening of the box body to form a dirty side; and an air filter provided with a filter unit, disposed at a connection portion between the box body and the cap unit, and adapted to divide an interior of the air cleaner box into clean side and the dirty side, the filter unit being held by a holder plate. The cap unit has a clearance recess formed for the front fender at a bottom center in a vehicle width direction and recessed rearward in the longitudinal direction of the vehicle body. A partition wall is provided on an inner side of the cap unit so as to extend in a vertical direction from at least one side of the cap unit in the vehicle width direction, to partially partition the dirty side and to form an air introduction path to lead air taken in through an air inlet port and introduce the air downward. The filter unit of the air filter is mounted on the holder plate in a manner deflected toward an upper side of the air cleaner box as viewed from front of the vehicle.

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

(21) Application No.1374/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYRINGE WITH A BLOCKING STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:101121549 :15/06/2012	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A syringe with a blocking structure, and the structure includes a one-way engagement unit having a propping portion, a flange extended outwardly from a rod and abutted with a cylindrical body, and a flexible bracket extended outwardly from the rod and isolated from the propping portion, and the flexible bracket has an external diameter greater than the propping portion. When the rod is moved fonward with respect to the cylindrical body to pass through the flange, the flange abuts the flexible bracket to tilt backward. When the rod is moved backward with respect to the cylindrical body, the flange abuts the flexible bracket to tilt the flexible bracket forward, and the propping portion blocks the flexible bracket.

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

(19) INDIA

(22) Date of filing of Application :03/03/2009

(21) Application No.1480/DELNP/2009 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: INFORMATION STORAGE MEDIUM STORING MULTIANGLE DATA, AND RECORDING METHOD AND REPRODUCING APPARATUS THEREOF

(51) International classification :G11B 20/10 (31) Priority Document No :NA (32) Priority Date ٠ \_

(33) Name of priority country

(86) International Application No :PCT/KR2004/001662 (72)Name of Inventor : Filing Date :06/07/2004

(87) International Publication No : NA (61) Patent of Addition to Application :NA Number :NA

Filing Date (62) Divisional to Application Number

:2983/DELNP/2005 Filed on :04/07/2005

(71)Name of Applicant:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do 442-742 Republic of Korea

1)MOON Seong-Jin 2)JUNG Kil-Soo 3)PARK Sung-Wook

#### (57) Abstract:

An information storage medium for storing multi angle data, and a recording method and a reproducing apparatus thereof. The information storage medium stores data for a plurality of angles of a scene in interleaved blocks. Sizes of the interleaved blocks are integral multiples of sizes of integral numbered aligned units that include packets. Angle change points are included in each of the interleaved blocks which allows a reproducing apparatus to seamlessly jump from one angle to another angle during reproduction of the multi angle data. A number of the angle points recorded on the information storage medium is computed so that a jumping distance required by the data during reproduction does not exceed a maximum jumping distance of a reprod...

No. of Pages: 18 No. of Claims: 2

(22) Date of filing of Application :09/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHODS AND SYSTEMS FOR PERFORMING ATTENUATION CORRECTION

Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA (63) Divisional to Application Number :NA	(61) Patent of Addition to Application Number Filing Date	:13/482,502 :29/05/2012 :U.S.A. :NA :NA :NA :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor:  1)WOLLENWEBER, SCOTT DAVID
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#### (57) Abstract:

A medical imaging system (10) includes a magnetic resonance imaging (MRI) system (14), a positron emission tomography (PET) imaging system 12, and a computer 34 coupled to the MRI system and the PET system. The computer is programmed to obtain 102 a MR image dataset 50, classify 106 at least one object 202 in the MR image 50 as a bone, identify 120 a reference bone voxel 250 in the MR image dataset, count 122 a number of neighbor bone voxels 252 and their distribution for the reference bone voxel, generate 124 a MR-derived PET attenuation correction factor scaling for the reference bone voxel based on the number and distribution of neighbor bone voxels, and attenuation correct 108 a plurality of positron emission tomography (PET) emission data using the MR-derived PET attenuation correction factors.

No. of Pages: 36 No. of Claims: 10

(21) Application No.1434/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PITCH BEARING WITH A GEAR SEGMENT IN A WIND TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03D :ES 201200529 :21/05/2012 :Spain :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)GAMESA INNOVATION & TECHNOLOGY, S.L. Address of Applicant: AVENIDA CIUDAD DE LA INNOVACION, 9-11, 31621 SARRIGUREN (NAVARRA) SPAIN (72)Name of Inventor: 1)PANDYA BHAVBHUTI
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#### (57) Abstract:

A segmented gear plate configured to be removably connected to a pitch bearing of a wind turbine- has been described. The pitch bearing is present between a rotor hub and a plurality of blades. The pitch bearing axially pivots the plurality of blades between different pitch angles. The pitch bearing includes an inner bearing ring and an outer bearing ring rotatably interconnected to each other. The segmented gear plate is removably connected to at least one of the inner bearing ring or the outer bearing ring by at least one connecting element. The segmented gear plate having a plurality of gear teeth, the plurality of gear teeth configured to allow the rotation of a drive shaft of a motor to achieve different pitch angles.

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

(21) Application No.1483/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: IGNITION DEVICE FOR OIL BURNER

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Japan :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)TOYOTOMI CO., LTD.  Address of Applicant:5-17, MOMOZONO-CHO, MIZUHO-KU, NAGOYA-SHI, AICHI, JAPAN, (72)Name of Inventor:  1)IZURU NAKAMURA 2)TOSHIHIKO YAMADA 3)TORU NAKAGAITO
. ,	:NA	

#### (57) Abstract:

Provided herein is an ignition device for an oil burner, which may maintain stable ignition performance without the need of ignition means such as a match and a lighter. A combustion wick 3 is disposed in a space formed between an inner combustion wick cylinder 1 and an outer combustion wick cylinder 2. An ignition electrode 4 is provided to face a portion of the combustion wick 3, which is exposed above the inner and outer combustion wick cylinders 1 and 2. Also provided is a generator 15 capable of generating electricity by means of a manual rotating operation. A charging circuit 21 is connected to an output of the generator 15 to charge an electricity storing means 20 with an output of the charging circuit 21. The electric power generated by the manually rotated generator 15 is stored in the electricity storing means 20. The electric power is supplied from the electricity storing means 20 to the high-voltage oscillation circuit 5 by means of the ignition operation using an ignition switch 19. Then, the high-voltage oscillation circuit 5 is activated to cause spark discharge to occur at the ignition electrode to ignite the combustion wick 3.

No. of Pages: 42 No. of Claims: 15

(21) Application No.1484/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SHIFT LEVER OPERATING FORCE TRANSFERRING DEVICE OF MANUAL TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16H :10-2012- 0141393 :06/12/2012 :Republic of Korea :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HYUNDAI MOTRO COMPANY Address of Applicant:231, YANGJAE-DONG, SEOCHO-KU, SEOUL 137-938, KOREA Republic of Korea (72)Name of Inventor: 1)JEONG WON JIN 2)KIM WOO DEOK 3)KIM DEOK KI
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#### (57) Abstract:

Disclosed herein is a shift lever operating force transferring device of a manual transmission. The device includes a shift cable that connects a shift lever with a control shaft. Furthermore, the shift cable absorbs vibration and shock transmitted to the shift c lever. Additionally, the device includes a bush insertion groove in which a select bush 32 is inserted and a closing member configured to seal the bush insertion groove from the exterior.

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

(21) Application No.1182/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : TEST DEVICE, TEST SYSTEM AND METHOD FOR TESTING A POWER ENGINEERING TEST OBJECT

(32) Priority Date  (33) Name of priority country  (86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (62) Divisional to Application Number Filing Date  (87) International Publication Number Filing Date  (88) Divisional to Application Number Filing Date  (89) Divisional to Application Number Filing Date  (80) International Publication Number Filing Date  (80) International Publication Number Filing Date  (80) International Publication Number Filing Date  (81) Address of Applicant :OBERES RIED 1, 6833 KLAUS,  AUSTRIA  (72) Name of Inventor:  1) ULRICH KLAPPER	<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:EUROPEAN UNION :NA :NA : NA :NA :NA :NA	Address of Applicant :OBERES RIED 1, 6833 KLAUS, AUSTRIA (72)Name of Inventor :
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#### (57) Abstract:

In order to test a power engineering test object (14), a test signal is generated by a first test device (2), which is supplied by the first test device (2) to a second test de- 5 vice (3) to be amplified by the same and to be output to the power engineering test object (14). Further, the test signal may be applied by the first test device (2) to the power engineering test object (14), the test signal preferably being timesynchronously output by the first test device (2) and the second test device (3) to the power engineering test object (14).

No. of Pages: 16 No. of Claims: 21

(21) Application No.1183/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : TEST DEVICE FOR POWER ENGINEERING EQUIPMENT AND METHOD FOR MANUFACTURING A TEST DEVICE FOR POWER ENGINEERING EQUIPMENT

(32) Priority Date  (33) Name of priority country  (34) Name of priority country  (35) Name of priority country  (36) International Application No  Filing Date  (37) Name of Inventor:  INA  INA  INA  INA  INA  INA  INA  IN	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:EUROPEAN UNION :NA :NA : NA :NA :NA	Address of Applicant :OBERES RIED 1, 6833 KLAUS, AUSTRIA (72)Name of Inventor: 1)DIRK FLAX 2)HORST SCHEDLER
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#### (57) Abstract:

A test device (1) for testing power engineering equipment comprises at least one connection socket (4) which is electrically connected to an overvoltage protection 5 arrangement (2). The overvoltage protection arrangement (2) comprises at least one overvoltage protection element (5) and is configured such that the at least one overvoltage protection element (5) is exchangeable.

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

(19) INDIA

(43) Publication Date: 13/02/2015

(21) Application No.1274/DEL/2013 A

(22) Date of filing of Application :30/04/2013

	(54)  Ti	itle of the	e invention	: FILTER	DEVICE
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<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:C22C :13/491,852 :08/06/2012 :U.S.A. :NA :NA : NA	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>		2)PROVITERA, PAXTON E.
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

Devices, systems, and methods for obtaining one or more desired fluid components, using a back-flushable filter device comprising a filter and at least one diffusing plate, are disclosed.

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

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AUTOMATIC TEST EQUIPMENT CONTROL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01R :13/475,583 :18/05/2012 :U.S.A. :NA	· /
(87) International Publication No	: NA	2)KRISHNA MUNIRATHNAM
(61) Patent of Addition to Application Number	:NA	3)SANTOSHKUMAR RAMASAMY
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A shutdown apparatus and method for use in conjunction with automatic test equipment (ATE) is provided. A unit under test (UUT) is inserted into an ATE receiver that couples the UUT to at least one electronic device during test and extracted from the ATE receiver after test. The shutdown apparatus comprises an electro-mechanical interface that inserts the UUT into the receiver prior to test and extracts the UUT from the receiver after test A shutdown module is coupled to the electronic device and to the electro-mechanical interface and connects the electronic device to the receiver after insertion of the UUT into the receiver and disconnects the electronic device from the receiver priotor extraction of the UUT from the receiver.

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

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR DETERMINING SPEED OF AIRFLOW

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:102012209050.9 :30/05/2012 :Germany :NA :NA : NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY  (72)Name of Inventor:  1)HEYSE, JOERG 2)SCHULZ, UDO 3)WAGNER, ANDREAS
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#### (57) Abstract:

The present subject matter relates to a method for determining a speed (10) of an airflow into a vehicle (2), based on a coolant mass flow (37) of a coolant (26) flowing through a heat exchanger (28) of a cooling device (24) of the vehicle (2) and based on a flow through the heat exchanger (28) and an air mass flow (44) induced by the wind, comprising determining a temperature drop (40) of the coolant mass flow (37); determining the air mass flow (44) required for the temperature drop (40) of the coolant mass flow (37); and determining the speed (10) of the air flowing into the vehicle (2) based on the air mass flow (44) required for the temperature drop (40) of the coolant mass 0 flow (37).

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

(22) Date of filing of Application :21/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR MOTION CORRECTING MEDICAL IMAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/477,218 :22/05/2012	
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#### (57) Abstract:

A method for reducing, in an image, motion related imaging artifacts. The method includes obtaining a single image of a subject using a computed tomography (CT) imaging system, obtaining a plurality of images of the subject using a positron emission tomography (PET) imaging system, generating a plurality of consistency values, and utilizing the plurality of consistency values to register the CT image and the plurality of PET images.

No. of Pages: 33 No. of Claims: 20

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

(43) Publication Date: 13/02/2015

## (54) Title of the invention : APPARATUS FOR JOINTLY CHANGING A PLURALITY OF TUBES ON A TEXTILE MACHINE WITH A GRIPPER BAR

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:10 2012	1)MASCHINENFABRICK RIETER AG
(31) Thomas Boument 10	104 667.0	Address of Applicant :KLOSTERSTRASSE 20, 8406,
(32) Priority Date	:30/05/2012	WINTERTHUR, SWITZERLAND
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)PETER BLANKENHORN
Filing Date	:NA	2)WOLFGANG LEHNER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device (1) for collectively changing a number of bobbins (2) at spinning stations of a textile machine comprises a gripper bar (3) extending in longitudinal direction of said textile machine, on which gripper bar (3) a number of tube grippers (4) are arranged which can be subjected to a pneumatic force, and in which said gripper bar (3) at least one air feed conduit (7), for operational purposes of the tube grippers (4), is arranged. The gripper bar (3) includes an outer, thin-walled open hollow profile (14), in particular a C-profile, and at least one support profile (15) arranged on the inside of the hollow profile (14), which reinforces the open hollow profile (14) and on which the tube grippers (4) are arranged.

No. of Pages: 23 No. of Claims: 17

(22) Date of filing of Application :08/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE

(51) International classification	:H01L	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)RENESAS ELECTRONICS CORPORATION
(32) Priority Date	108266	Address of Applicant :1753 SHIMONUMABE, NAKAHARA-KU, KAWASAKI-SHI, KANAGAWA, JAPAN
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NARITA HIROAKI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided a technology by which the position of 1 pin in a tabless package can be recognized easily. The rear surfaces of plural leads (LE) are exposed on a rear surface of a resin-sealed body (MO) which seals a semiconductor chip (5) etc., a image recognition area (PRA) is further provided adjacent to 1 pin (lead (LE) with index 1), and a rear surface of an identification mark (PP) is exposed from the rear surface of the resin-sealed body (MO) of the image recognition area (PRA). This identification mark (PP) is made of the same conductive member as the plural leads (LE).

No. of Pages: 86 No. of Claims: 15

(21) Application No.1477/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: RADIAL NOZZLE ASSEMBLY FOR A PRESSURE VESSEL

	:A47G,	(71)Name of Applicant:
(51) International classification	F17C,	1)ALSTOM TECHNOLOGY LTD
	G21C	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(31) Priority Document No	:13/477,168	BADEN, SWITZERLAND
(32) Priority Date	:22/05/2012	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)BAUVER, WESLEY PAUL II
(86) International Application No	:NA	2)ORTMAN, EDWARD M.
Filing Date	:NA	3)PERRIN, IAN JAMES
(87) International Publication No	: NA	4)SAMBOR, THOMAS W
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A radial nozzle assembly for use in a pressure vessel to enable fluid flow through the vessel wall is provided. The radial nozzle assembly has a nozzle and a cup-shaped flange extending from one end of the nozzle. The nozzle has a bore disposed therethrough along its length to permit fluid flow through the wall of the pressure vessel. The flange is defined by a generally cup or dome-shaped wall having an open end. The nozzle assembly is secured to the wall of the vessel such that the nozzle is disposed in a radial orientation to the flange and possibly in a horizontal orientation.

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

(21) Application No.1479/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HARVESTING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A01D, A01F :CN201210422260.9 :29/10/2012 :China :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)Kou Sheng Feng Co., Ltd.  Address of Applicant: No. 36, Chishin Road, Tongshiao, Miaole, Taiwan, R.O.C. Taiwan (72)Name of Inventor:  1)Chin-Piao HUANG 2)Yu-Ta HUANG 3)Yu-Feng HUANG
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A harvesting machine comprises a cab, a lifting unit, a rolling unit, a cutting unit, a conveying unit, and a threshing unit. The lifting unit is arranged in front of the cab. The rolling unit is arranged at a distance behind the lifting unit. The cutting unit, being arranged between the lifting unit and the rolling unit, includes two cutter bars at different elevations. The conveying unit is arranged immediately behind the rolling unit. The threshing unit is arranged immediately behind the conveying unit. In operation, the rice crop can be guided through the lifting unit and simultaneously cut by the cutter bars to form a cut panicle portion and a cut stem portion. The cut panicle portion can be conveyed to the threshing unit for further separation while discarding the cut stem portion at the same time. Accordingly, the rice crop can be harvested more rapidly and more conveniently.

No. of Pages: 20 No. of Claims: 3

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HIP OBTURATOR AND METHOD FOR ATRAUMATIC HIP ACCESS

(87) International Publication No : NA (61) Patent of Addition to Application Number :NA (61) Patent of Addition to Application Number :NA (7) EFFERY TOLONEN :NA (87) International Publication No :NA (87) International Publication Number	(61) Patent of Addition to Application Number :NA Filing Date :NA	2)BETHANY F. GRANT
	Filing Date :NA (62) Divisional to Application Number :NA	

#### (57) Abstract:

An obturator provides access to a joint through a capsule surrounding the joint. A distal end of the obturator has a first distal location with a first width dimension and a second distal location with a second width dimension, wherein the second distal location is proximal to the first distal location and the second width dimension greater than the first width dimension. A retractable blade can extend from the obturator to be exposed between the first distal location and the second distal location.

No. of Pages: 30 No. of Claims: 17

(21) Application No.1426/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONTACT LENS WITH HALO EFFECT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G06K :13/475,725 :18/05/2012 :U.S.A. :NA	, ,
Filing Date	:NA	1)DAWN D. WRIGHT
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)JEFFREY H. ROFFMAN 3)ANGIE BOWERS
Filing Date	:NA	S/ANGIE BOWERS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A contact lens with a central portion, an iris portion, and a peripheral portion disposed about the iris portion; an effect band in or just outside the iris portion helps to provide the lens with a halo effect when worn on eye.

No. of Pages: 17 No. of Claims: 30

(21) Application No.1474/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: FLOW CONTROL GRID

	:B21D,	(71)Name of Applicant :
(51) International classification	F26B,	1)ALSTOM TECHNOLOGY LTD
	F16K	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(31) Priority Document No	:13/477,158	BADEN, SWITZERLAND
(32) Priority Date	:22/05/2012	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)COHEN, MITCHELL B
(86) International Application No	:NA	2)CHAPMAN, PAUL J
Filing Date	:NA	3)THIBEAULT, PAUL R
(87) 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 flow control grid includes a plurality of channel assemblies connected to one another. Each of the plurality of channel assemblies defines a flow straightening section and a flow turning section. The flow turning section has an arcuate segment and a first substantially flat segment. The first substantially flat segment is positioned in the flow straightening section. The arcuate segment extends outwardly from the flow straightening section.

No. of Pages: 21 No. of Claims: 19

(21) Application No.1475/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HIGH-TEMPERATURE STEAM TURBINE POWER PLANT WITH DOUBLE REHEAT

(51) International already are	FOIR FOID	(71)N
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:12168611.7	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:21/05/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Ivalue of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)REIGL, MARTIN
Filing Date	:NA	
(87) 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 steam power is described plant including on a single rotor at least one high pressure turbine or turbine section having a steam exit connected in operation to a first steam reheater and at least two intermediate pressure turbines or turbine sections with a first of the at least two intermediate pressure turbines or turbine sections having a steam exit connected in operation to a second steam reheater and with a second of the at least two intermediate pressure turbines or turbine sections having a steam entry to receive steam from the second steam reheater and a steam exit connected to one or more low pressure turbines or turbine sections, whereby the at least two intermediate pressure turbines or turbine section and into a low temperature turbine or turbine section.

No. of Pages: 19 No. of Claims: 7

(22) Date of filing of Application :21/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: UNINTERRUPTIBLE POWER SUPPLY AND CONTROL METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H02J, H02M :2012- 118284 :24/05/2012 :Japan :NA	(71)Name of Applicant: 1)HITACHI LTD. Address of Applicant:6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8280, JAPAN (72)Name of Inventor: 1)YASUAKI NAKAYAMA 2)TOMOMICHI ITO 3)KAORU SONOBE
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	3)KAORU SONOBE 4)TOMONORI ICHIKAWA
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

### (57) Abstract:

It is an objective of the present invention to suppress a neutral point voltage fluctuation in a UPS using a three-level converter even if an input current and an output current are small. The unintemptible power supply according to the present invention, if a neutral point unbalance occurs during a period in which electric power is not provided from a grid, suspends an operation of a converter to disconnect from the grid, and resumes the converter operation after initiating an electric power supply from a storage battery to an inverter.

No. of Pages: 22 No. of Claims: 7

(21) Application No.1523/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ARMREST FOR VEHICLE

(51) Intermedian 1 -1	.D.COM	(71)NI C A 12 A .
(51) International classification	:B60N	(71)Name of Applicant :
(31) Priority Document No	:10-2012-	1)HYUNDAI MOTOR COMPANY
(31) Thomas Document No	0150324	Address of Applicant :231, YANGJAE-DONG, SEOCHO-
(32) Priority Date	:21/12/2012	KU, SEOUL 137-938 KOREA Republic of Korea
(22) Name of missites asserting	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)OH MAN JU
(86) International Application No	:NA	2)KIM JAE WOONG
Filing Date	:NA	3)PARK JAE WOO
(87) International Publication No	: NA	4)SUNG TAE SOO
(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 armrest that includes a rota- shaft an intake port, an exhaust port, an internal duct and a cup holder. The rotating shaft is disposed in the rear end of the armrest body and configured to pivotally connect the armrest body to a seat so that the armrest body may alternate between a retracted position in which the armrest functions as a seatback and an unfolded position in which the armrest functions as an armrest. The intake port, exhaust port, and internal duct are configured to provide heating and cooling of the cup holder.

No. of Pages: 26 No. of Claims: 19

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHODS AND DEVICES FOR CUTTING AND REMOVING TISSUE FROM A BODY

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number : No	A61B 13/478,240 23/05/2012 U.S.A. NA
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# (57) Abstract:

Methods and devices are provided for cutting and removing tissue from a body. In one exemplary embodiment, a surgical device is provided having a suction shaft and a cutting assembly. The suction shaft can have an inner passageway configured to receive tissue. The cutting assembly can include an outer shaft having at least one opening formed in a sidewall thereof configured to receive tissue. The cutting assembly can be configured to mate with the suction shaft, and it can include a cutting element configured to move relative to the opening to cut tissue disposed through the opening. Suction can be applied to cause the cut tissue to flow proximally through the suction shaft and away from the cutting assembly.

No. of Pages: 32 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :15/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COOLING AND HEATING CUP HOLDER

(51) International classification  (31) Priority Document No  (32) Priority Date  (33) Name of priority country  (34) International Application No Filing Date  (35) International Publication No Filing Date  (37) International Publication No Filing Date  (38) International Publication No Filing Date  (39) International Publication No Filing Date  (30) Patent of Addition to Application Number Filing Date  (30) Divisional to Application Number Filing Date  (31) Priority Document No Republic Filing Date  (32) Priority Document No Republic Filing Date  (33) Name of priority country  (34) Priority Document No Republic Filing Date  (35) Priority Date  (36) International Application No Republic Filing Date  (37) Priority Document No Republic Filing Date  (38) Priority Date  (39) Priority Date  (30) Priority Date  (30) Priority Date  (31) Priority Date  (31) Priority Date  (32) Priority Date  (33) Name of priority country  (34) Priority Date  (35) Priority Date  (36) International Application No  (37) Priority Date  (38) Priority Date  (39) Priority Date  (30) Priority Date  (30) Priority Date  (31) Priority Date  (31) Priority Date  (31) Priority Date  (32) Priority Date  (33) Name of priority country  (34) Priority Date  (35) Priority Date  (36) International Application No  (37) Priority Date  (38) Priority Date  (39) Priority Date  (30) Priority Date  (30) Priority Date  (31) Priority Date  (31) Priority Date  (31) Priority Date  (32) Priority Date  (33) Name of priority country  (34) Priority Date  (35) Priority Date  (36) International Application No  (37) Priority Date  (38) Priority Date  (39) Priority Date  (30) Priority Date  (30) Priority Date  (31) Priority Date  (31) Priority Date  (31) Priority Date  (32) Priority Date  (33) Priority Date  (34) Priority Date  (35) Priority Date  (36) Priority Date  (37) Priority Date  (38) Priority Date  (39) Priority Date  (30) Pr	(71)Name of Applicant:  1)HYUNDAI MOTRO COMPANY Address of Applicant: 231, YANGJAE-DONG, SEOCHO-  2 KU, SEOUL 137-938, KOREA Republic of Korea  2)KIA MOTORS CORP.  3)KBAUTOTECH CO., LTD.  (72)Name of Inventor: 1)OH MAN JU  2)KIM JAE WOONG 3)PARK JAE WOO 4)SUNG TAE SOO
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(21) Application No.1448/DEL/2013 A

### (57) Abstract:

A cup holder, which cools and heats a cup, includes an inner holder, an outer holder, a thermoelectric device and a blower. The inner holder, made of metal, holds the cup therein and has a protrusion on a side portion thereof. An open portion of the protrusion defines a flow hole. The outer holder surrounds a side surface of the inner holder at a predetermined interval, such that a circulation space is formed between the outer holder and the inner holder. The thermoelectric device, disposed in the circulation space, includes first and second sections. The first section closely adjoins the protrusion of the inner holder. The second section extends through the outer holder and is exposed outward. The blower is disposed inside the circulation space adjacent to the flow hole, and enables air inside the inner holder and air inside the circulation space to circulate and transfer heat.

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

(21) Application No.1541/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SHROUD FOR PRE-TWISTED AIRFOILS

(51) International classification (31) Priority Document No	:F01D :12170319.3	(71)Name of Applicant : 1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:31/05/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country		BADEN, SWITZERLAND
	UNION :NA	(72)Name of Inventor : 1)RAMANNAGARI, DILLI PRASAD
(86) International Application No Filing Date	:NA	2)MASSEREY, PIERRE-ALAIN
(87) International Publication No	: NA	3)FLEMING, ROSS BRIAN
(61) Patent of Addition to Application Number	:NA	4)CALCAGNI, CHRISTINA
S .		
Filing Date	:NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	3)FLEMING, ROSS BRIAN

### (57) Abstract:

A method and a blade for a turbine or, more generally a turbomachine, are described with the blade having at a top end a shroud segment designed to engage with shroud segments of adjacent blades in an ring-shaped assembly at least partly by means of assembling the blades with the shroud segment having a central indentation along an engaging face

No. of Pages: 18 No. of Claims: 10

(21) Application No.1542/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STEAM RANKINE PLANT

(51) International classification	:F01K	(71)Name of Applicant :
(31) Priority Document No	:12169421.0	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:25/05/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(22) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)HERZOG, MAURUS
Filing Date	:NA	2)RAY, SUMAN
(87) 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 steam Rankine cycle plant (10) and a method for operating thereof. The plant comprises a higher-pressure steam turbine (20) with an outlet (22) and a reheater (35) fluidly connected to the higher-pressure steam turbine (20). In addition, the plant has a lower-pressure steam turbine (25) with an inlet (27) that is fluidly connected to the reheater (35). The plant also has a bypass (32) that is fluidly connecting the outlet (22) and the inlet (27) so as to bypass the reheater (35).

No. of Pages: 15 No. of Claims: 13

(22) Date of filing of Application :27/05/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : A DISCHARGE AND PURGING DEVICE, A CONNECTING ENDPIECE AND CONNECTOR COMPRISING SUCH A DEVICE

(0-)	1)STAUBLI FAVERGES Address of Applicant :PLACE ROBERT STAUBLI, FR- 705/2012 74210 FAVERGES, FRANCE (72)Name of Inventor : 1)ALAIN-CHRISTOPHE TIBERGHIEN 2)CHRISTOPHE DURIEUX 3)ROMAIN MAYER
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#### (57) Abstract:

The invention relates to a discharge and purging device (10) adapted for limiting the pressure of a fluid (F) occupying the inner volume of a connecting endpiece (2). The device (10) comprises a valve or a valve actuation piston; an inner enclosure (30) opening out on a front face (22) of the valve or of the piston; and an obturator (60) moveable between a closed position (CI) where it obturates the front face (22) at a first seal area (292) defining a first seal section (S92) towards the front face (22) and an open position where it no longer obturates the front face (22). The device (10) also comprises a first chamber (50) defined when the obturator (60) is in a closed position, between the enclosure (30), the obturator (60), the first seal area (292) and a second seal area (294) defining a second seal section (S94) opposite to the front face (22) relatively to the first seal area (292); a communication passage (36) between the first chamber (50) and the inner volume of the endpiece (2); means (96) for returning the obturator into the closed position; and a second chamber (40) defined between the enclosure (30), the second seal area (294) and the obturator (60), and isolated from the inner volume of the endpiece (2) and from the first chamber (50). The first seal section (S92) is smaller than the second seal section (S94).

No. of Pages: 28 No. of Claims: 14

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FRAME ELEMENT FOR PACKAGING FLAT ITEMS AND WRAPPER MADE FROM SUCH ELEMENTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B65D :1254189 :07/05/2012 :France	WOLFGANTZEN, FRANCE
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)LAURENT LEUVREY M.
(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 frame element to package flat items (P), characterized in that it comprises at least 10 one first profile (1) and a second profile (2) connected, longitudinally and in a same piece, by a flexible hinge (3) and each including an axial groove (10, 20) for receiving the item that is laterally delimited by two series of notches (11, 12, 21, 22); the respective notches (12a, 22a) 15 of said profiles, adjacent to said hinge (3), being provided with contact stops ensuring blocking of the two profiles in a relative angular position where their respective grooves (10, 20) are open across from the edge of the item to be protected.

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

(21) Application No.1459/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR TREATMENT APPARATUS AND SYSTEMS COMPRISED THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/495,653 :13/06/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor: 1)KULKARNI, ABHIJEET MADHUKAR 2)HATFIELD, MARTIN GREGORY 3)MANN, RICHARD MICHAEL ASHLEY
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### (57) Abstract:

This disclosure describes embodiments of an air treatment apparatus that stimulates formation of large moisture droplets from small moisture droplets found in air flowing in power generating systems to a turbo-machine. In one example, the embodiments generate a field that promotes contact between the smaller moisture droplets. This contact can increase the size of moisture droplets to facilitate condensation of moisture out of the air.

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

(22) Date of filing of Application :21/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SHED FORMING DEVICE AND WEAVING MACHINE EQUIPPED WITH SUCH A DEVICE

(51) International classification	:D03D, D03C	(71)Name of Applicant : 1)STAUBLI FAVERGES
(31) Priority Document No	:1254794	Address of Applicant :PLACE ROBERT STAUBLI, 74210
(32) Priority Date	:24/05/2012	FAVERGES, FRANCE
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No	:NA	1)CLEMENT CHAMPION
Filing Date	:NA	2)DENIS VOINCON
(87) International Publication No	: NA	3)SEBASTIEN COMMUNAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=) 41		

#### (57) Abstract:

This shed forming device for a weaving machine comprises at least one rotary electric actuator (1 12) provided for winding, around a pulley (126), of a funicular element controlling at least one heddle. An output shaft (1 14) of the actuator (1 12) rotates around a first axis (XI 14). The shaft (1 14) is provided with a pinion (1 16) meshing with a toothed crown (124) secured to the pulley (126) and rotatable therewith around a second axis (Y126) perpendicular to the first axis (XI 14).

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

(21) Application No.1606/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: YARN WINDING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H65H :2012- 126864 :04/06/2012 :Japan :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.  Address of Applicant: 3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN (72)Name of Inventor:  1)KAWAMOTO KENJI
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#### (57) Abstract:

An automatic winder includes a plurality of winding units (2) adapted to wind a yarn (Y) to form a package (P). Each winding unit (2) includes a yarn supplying section (II), a winding section (13) adapted to wind the yarn (Y) supplied from the yarn supplying section (II), a yarn clearer (22) adapted to detect a state of the yarn (Y) between the yarn supplying section (11) and the winding section (13), and a display section (40) adapted to display information associated with the winding unit (2). The display section (40) displays the information associated with the state of the yarn (Y) detected by the yarn clearer (22).

No. of Pages: 23 No. of Claims: 7

(21) Application No.1607/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: BOILER

(54) 5		
(51) International classification	:F24H	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI LTD.
(61) 11101111 20001110111	121630	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:29/05/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HANDA MASATO
Filing Date	:NA	2)HAYASHI YOSHIHARU
(87) International Publication No	: NA	3)SHIBATA TSUYOSHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In a boiler, a heat exchanger provided in one of two flow paths formedbypartitioning downstreamportion a flowpath for exhaust gas discharged from a furnace has a smaller total heat transfer area than a heat exchanger provided in the other of the two flow paths; the exhaust gases discharged from the flow paths to outside the boiler are introduced, without being mixed, into an air heater downstream of the boiler; and, in the air heater, the heat of the exhaust gases is transferred to the primary air and the secondary air so as to heat combustion air.

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

(21) Application No.1526/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXHAUST GAS ANALYZING SYSTEM

(51) International classification	:G01N, G01M	(71)Name of Applicant : 1)HORIBA, LTD.
(31) Priority Document No	:2012- 117044	Address of Applicant :2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510,
(32) Priority Date	:22/05/2012	JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MIYAI, MASARU
Filing Date	:NA	2)ITO, MANABU
(87) International Publication No	: NA	3)NISHIKAWA, MASAHIRO
(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 makes it possible to determine appropriate maintenance timing of sampling pumps in an exhaust gas analyzing system, including sampling pumps (PI and P2) provided in a main flow path (3) in order to sample exhaust gas sent from an introduction port (3, analysis parts (4x) provided on the upstream side or downstream side of the sampling pumps (PI and P2) in the main flow path (3), flow meters (FMI to FM3) provided on the upstream side or downstream side of the analysis parts (4x) in the main flow path (3), and pump abnormality determination parts (8a and 8b) for determining abnormality of the sampling pumps by comparing pump flow rates obtained by the flow meters (FM1 to FM3) to a predetermined abnormal flow rate.

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

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : EXHAUST GAS ANALYZING APPARATUS, EXHAUST GAS ANALYZING SYSTEM AND METHOD OF OPERATING THE SAME

(51) International classification	:G10N	(71)Name of Applicant:
(31) Priority Document No	:2012- 118096	1)HORIBA, LTD. Address of Applicant :2, MIYANOHIGASHI-CHO,
(32) Priority Date	:23/05/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510,
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAKAGAWA, HIROYOSHI
(87) International Publication No	: NA	2)WATANABE, KOJI
(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 exhaust gas analyzing apparatus capable of achieving further energy saving and rapidly starting analysis, and an exhaust gas analyzing apparatus 41 includes analyzer main bodies S1, S2 for analyzing exhaust gas, exhaust gas introducing parts L1, L2, and 41 1 for guiding the exhaust gas from an exhaust pipe, through 10 which the exhaust gas passes, to the analyzer main body, heaters 4 13,4 15, 4 14,4 16, and 4 17 for heating the analyzer main bodies S1, S2 and the exhaust gas introducing parts L1, L2, and 4 1 1, respectively, and a temperature regulating mechanism 402 for controlling the heaters 4 13, 41 5, 4 14, 4 16, and 4 17 to regulate temperatures of the analyzer main bodies S1, S2 and the exhaust gas introducing parts L1, L2, and 411, and the temperature regulating mechanism 15 402 can select one of at least two modes including a first mode of regulating the temperatures of the analyzer main bodies S1, S2 and the exhaust gas introducing parts L1, L2, and 4 1 1 to an analyzable temperature that is a predetermined temperature allowing a start of analysis of the exhaust gas and a second mode of regulating the temperatures of the analyzer main bodies S1, S2 to the analyzable temperature and turning off the heaters for the exhaust gas 20 introducing parts L1, L2, and 4 1 1.

No. of Pages: 40 No. of Claims: 9

12) FATENT AFFLICATION FUBLICATION

(43) Publication Date: 13/02/2015

(21) Application No.1620/DEL/2013 A

(19) INDIA(22) Date of filing of Application :29/05/2013

(54) Title of the invention: VEI	HICLE SUN VISOR

(51) International classification	:B60J	(71)Name of Applicant :
	.B003 ·2012-	1)KYOWA SANGYO CO., LTD.
(31) Priority Document No	123480	Address of Applicant: 1, KOROMOGAHARA 3-CHOME,
(32) Priority Date	:30/05/2012	TOYOTA-SHI, AICHI 471-0856, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASAI TAKASHI
Filing Date	:NA	2)YAMAZAKI KOSUKE
(87) 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 vehicle sun visor includes: a sun visor body (20); a support shaft mounted on a ceiling surface of a vehicle cabin and configured to support the sun visor body (20) at a turning center position of the sun visor body (20) such that the sun visor body (20) is turnable between a storage position at which the sun visor body (20) is oriented along the ceiling surface of the vehicle cabin and a use position at which the sun visor body is able to block light; a damper (26) configured to apply braking force at the time when the sun visor body (20) turns; and a slide mechanism configured to hold the sun visor body (20) such that the sun visor body (20) is slidable in an axial direction of the support shaft with respect to the support shaft.

No. of Pages: 32 No. of Claims: 6

(22) Date of filing of Application :29/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONTROL SYSTEM FOR AN AXIAL FLOW TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	UNION :NA :NA : NA : NA :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)KUBEL, SIGURD  2)REITHER, WILHELM
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Control system for an axial flow turbine The invention relates to an axial flow turbine (10) and method of operating thereof. The turbine comprises a last stage of rotating blades (12) located towards a downstream end of the turbine (10) having a distal region (19) at an end of the airfoil (13) of the blades (12). A monitoring control system has at least one sensor (22) in the distal region (19) of at least one last stage blade (12) for measuring at least one physical property of the airfoil (13) and a control element (24) that is capable of influencing at least one physical property of the distal region (19). The control system further includes a controller (20) that adjusts the control element (24) based on at least measured physical property so by controlling the at least one physical property.

No. of Pages: 17 No. of Claims: 14

(21) Application No.1150/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TELLURIUM INORGANIC REACTION SYSTEMS FOR CONDUCTIVE THICK FILM PASTE FOR SOLAR CELL CONTACTS

(51) International classification	:H01L	(71)Name of Applicant
		(71)Name of Applicant : 1)HERAEUS PRECIOUS METALS NORTH AMERICA
(31) Priority Document No	:61/625,383	
(32) Priority Date		CONSHOHOCKEN LLC.
(33) Name of priority country	:U.S.A.	Address of Applicant :24, UNION HILL ROAD, WEST
(86) International Application No	:NA	CONSHOHOCKEN, PENNSYLVANIA, 19428, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ZHANG, WEIMING
(61) Patent of Addition to Application Number	:NA	2)WANG, LEI
Filing Date	:NA	3)HORTHEIS, MATTHIAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This disclosure relates to electroconductive paste formulations useful in solar panel technology. In one aspect, the disclosure relates to an inorganic reaction system for use in electroconductive paste compositions, wherein the inorganic reaction system comprises a lead containing matrix composition and a tellurium containing matrix composition. In another aspect, the disclosure relates to an electroconductive paste composition comprising a conductive metal component, an inorganic reaction system and an organic vehicle. Another aspect ofthe disclosure relates to a solar cell produced by applying an electroconductive paste composition of the invention to a silicon wafer. Yet another aspect relates to a solar cell module assembled using solar cells produced by applying an electroconductive paste composition to a silicon wafer, wherein the electroconductive paste composition comprises an conductive metal component, an inorganic reaction system and an organic vehicle.

No. of Pages: 38 No. of Claims: 35

(21) Application No.1151/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AN AXLE HOUSING AND A MEHTOD OF MANUFACTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B23Q :13/569,230 :08/08/2012 :U.S.A. :NA :NA : NA : NA	l ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An axle housing and a method of manufacture. The axle housing may include first and second housings that have spindle portions that cooperate to define at least one spindle that may be configured to rotatably support a wheel assembly.

No. of Pages: 19 No. of Claims: 20

(21) Application No.1399/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD OF MONITORING OPERATION OF AN ELECTRIC POWER SYSTEM AND MONITORING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G05B :12 005 971.2 :21/08/2012 :EUROPEAN UNION :NA :NA :NA :NA	Address of Applicant :OBERES RIED 1, 6833 KLAUS,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a method, operation of an electric power system which has a power utility automation system (1981-1984, 1991-1994) is monitored. The power utility 10 automation system (1981-1984, 1991-1994) comprises a plurality of intelligent electronic devices (IEDs) (1981-1984, 1991-1994) communicating via a communication network. During operation of the electric power system, properties of the electric power system are monitored, the monitored properties comprising monitored data messages which are transmitted by the plurality of 15 IEDs (1981-1984, 1991-1994) over the communication network. The monitored data messages are evaluated based on configuration information for the power utility automation system (1981-1984, 1991-1994) to detect a critical event. An alert signal is generated in response to detection of the critical event.

No. of Pages: 48 No. of Claims: 15

(21) Application No.1446/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM FOR TRANSFERRING ENERGY FROM AN ENERGY SOURCE AND METHOD OF MAKING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G06F :13/490,505 :07/06/2012 :U.S.A. :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor:  1)KING, ROBERT DEAN 2)KUSCH, RUEDIGER SOEREN
S .	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for transferring energy from an energy source includes a first energy source, a DC link coupled to a DC load, a first DC-to-DC voltage converter coupled to the DC link, and a second DC-to-DC voltage converter coupled to the first energy source. A controller is coupled to the first and second DC-to-DC voltage converters and configured to determine a voltage level of the first energy source and of the DC link. If the voltage level of the DC link is less than the voltage level of the first energy source, the controller controls the second DC-to-DC voltage converter to draw energy from the first energy source to cause the DC voltage output from the first energy source and supplied to the first DC-to-DC voltage converter to be below the DC load voltage supplied to the DC link via the first DC-to-DC voltage converter.

No. of Pages: 28 No. of Claims: 21

(22) Date of filing of Application :29/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: JOURNAL BEARING PAD FOR TURBINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F01D :12290181.2 :01/06/2012 :EPO	
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)BUGUIN, ARNAUD
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)MIZERA, JACQUES
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A hydrodynamic journal pad bearing is provided having several pads circumferentially distributed around the rotor of a large steam turbine with each pad mounted onto a platform separating the pad from a cylindrical cage in turn connected to the floor of a hall housing the turbine and having an interface between at least one of the several pads and the platform on which the at least one of the several pads is mounted is formed such as to include at least two areas with different curvatures to increase the stiffness of the interface in the event of a relative movement between the pad and the platform.

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

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: ARMREST FOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02M :10-2012- 0150325 :21/12/2012 :Republic of Korea :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant:231, YANGJAE-DONG, SEOCHO-KU, SEOUL 137-938, KOREA Republic of Korea (72)Name of Inventor: 1)OH MAN JU 2)KIM JAE WOONG 3)PARK JAE WOO
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(21) Application No.1437/DEL/2013 A

#### (57) Abstract:

The present invention discloses an annrest for a vehicle, the annrest having a front end, a rear end, and two sides; an intake port fonned in the front end ofan annrest body; an exhaust port fonned in the rear end of the annrest body; a blower installed in the annrest body, the blower being connected to the exhaust port by an exhaust duct, and to the intake port by an intake duct, wherein the intake duct is configured to extend remward from the intake port, branch offinto a plurality of diverged parts, and converge prior to connection with the blower; a plurality ofcup holders arranged in a row and positioned fotward of the blower and proximate to the diverge parts of the intake duct; and a thennoelement disposed on each of the cup holders, the thennoelement being brought into close contact with the intake duct.

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

(21) Application No.1485/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR EXTRACTOR GRILLE

(51) International classification	:B60R, F24F	(71)Name of Applicant : 1)HYUNDAI MOTOR COMPANY
(31) Priority Document No	:10-2012- 0093471	Address of Applicant :231, YANGJAE-DONG, SEOCHO- KU, SEOUL 137-938, KOREA Republic of Korea
(32) Priority Date	:27/08/2012	2)KIA MOTORS CORP.
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor: 1)KIM SEUNG WOOK
(86) International Application No	:NA	2)LEE SANG SHIN
Filing Date	:NA	3)AN JAE HYUN
(87) International Publication No	: NA	4)GU JA SUNG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein is an air extractor grille. The air extractor grille includes a grille body and a grille cover. The grille body includes a plurality of openable flaps which are arranged vertically in a successive order in a vehicle body inside a rear bumper. The grille cover covers at least a portion of the grille body. The grille cover has a plurality of vent slots formed in a fkont surface of the grille cover and arranged vertically in a successive order as well. A block plate is bent from a lower end of each of the vent slots in such a way that the block plate protrudes outwards, thus preventing the vent slot from being directly exposed to the outside. Therefore, when the flaps open, foreign substances are prevented from directly entering the interior of the vehicle through the flaps.

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

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR MEASURING CORROSION OF MOBILE BODY

(51) International classification	:G01N, C23F :2012-	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, TAKATSUKA-CHO, MINAMI-
(31) Priority Document No	130534	KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN (72)Name of Inventor:
(32) Priority Date (33) Name of priority country	:Japan	1)NOBUTOSHI KONAGAI
(86) International Application No	:NA	2)RURI NAKADA
Filing Date (87) International Publication No	:NA : NA	3)KOUTA SAKO 4)YUYA ITO
(61) Patent of Addition to Application Number	:NA	5)SACHIKO SUZUKI
Filing Date (62) Divisional to Application Number	:NA :NA	6)SATORU ANDO 7)YOSHIHARU SUGIMOTO
Filing Date	:NA	7)TOSIMIAKU SUGINIOTO

#### (57) Abstract:

The present invention provides a mobile body corrosion measuring apparatus comprising: a corrosion sensor 11 that is installed in at least one portion of a mobile body, the corrosion sensor measuring a corrosion state at the portion, and outputting corrosion data; a vehicle (mobile body) running speed sensor 12 that is installed in the mobile body, the running speed sensor measuring a running speed of the mobile body, and outputting the running speed data; and a data collection u n i t 16 that acquires the corrosion data from the corrosion sensor 11 and the running speed data from the vehicle speed sensor 12 at a same timing and collects the corrosion data and the running speed data with the corrosion data and the running speed data associated with each other. Due to above structure, a corrosion state specific to the mobile body can be accurately measured.

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

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ROTOR FOR AN ELECTRIC MACHINE AND METHOD FOR RETROFIT

Filing Date :NA  (62) Divisional to Application Number :NA Filing Date :NA  Filing Date :NA	(62) Divisional to Application Number	:12171021.4 :06/06/2012 :EUROPEAN UNION :NA :NA : NA :NA	(71)Name of Applicant:  1)ALSTOM HYDRO FRANCE Address of Applicant: 3, AVENUE ANDRE MALRAUX, 92300 LEVALLOIS-PERRET, FRANCE (72)Name of Inventor: 1)SCHWERY, ALEXANDER 2)BAUMEISTER, STEFAN
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### (57) Abstract:

The rotor (4) for an electric machine (1) comprises a shaft (6), a spider (7) on the shaft (6), a laminated drum (8) on the spider (7). The spider (7) has a plurality of apart elements (13) defining ducts (14) between each other. The laminated drum (8) has a plurality of cooling channels (17) connected to the ducts (14). The rotor (4) also has 8 throttle elements (25) associated to at least one duct (14) and/or cooling channel (17).

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

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HEAT SHIELD FOR A LOW-PRESSURE TURBINE STEAM INLET DUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:F01D :1255193 :04/06/2012 :France :NA :NA	BADEN, SWITZERLAND (72)Name of Inventor: 1)DAGORN, KEVIN
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)LAURENT, XAVIER

## (57) Abstract:

The present invention relates to an assembly comprising a duct (2), preferably a turbine duct, and at least one segment (31, 32) formed of at least two rigid shells (311, 312, 321, 322), each shell (311, 312, 321, 322) comprising at least one fixing orifice (4) for fixing to the duct (2) and at least one fixing element at least one boss per shell (311, 312, 321, 322), which boss is fixed to the duct (2) and against which boss the shell (311, 312, 321, 322) rests, such that at least one orifice (4) and one boss face one another, and that the fixing element passes through the orifice (4) facing the boss and is fixed to the boss.

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

(19) INDIA

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: CAPACITOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:Japan :NA :NA : NA :NA	(71)Name of Applicant: 1)WACOM CO. LTD. Address of Applicant:2-510-1, TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN (72)Name of Inventor: 1)MASAYUKI OBATA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Japan :NA :NA : NA : NA :NA :NA	(72)Name of Inventor:

(21) Application No.1295/DEL/2013 A

#### (57) Abstract:

A capacitor is provided, which allows a user to readily change or adjust its capacitance value. The capacitor includes a dielectric film, which includes first and second conductor layers disposed on opposite surfaces thereof, and which is wound into a rod shape. First and second electrodes are led out firom the first and second conductor layers, respectively. At least one of the first and second conductor layers includes an area-changeable conductor pattern, which is disposed (e.g., exposed) on an outer circumference side of the capacitor wound into the rod shape to receive physical tteatment (e.g., cutting, connecting) from outside to thereby change the size of a conductor area of the at least one of the first and second conductor layers. Thus, the physical treatment changes the conductor area of the conductor layers, to thereby selectively set or adjust the capacitance value of the capacitor.

No. of Pages: 86 No. of Claims: 25

(22) Date of filing of Application :09/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTEGRATED GAS COOLING SYSTEM FOR ELECTRIC ARC FURNACE

## (57) Abstract:

A flue gas cooler 11 for cooling raw, hot flue gas from an electric arc furnace of an iron and steel production plant is provided. Each flue gas cooler 11 has a gas inlet chamber 14, a gas outlet chamber 16, and a matrix of gas cooling tubes 18 extending between and into the inlet chamber and the outlet chamber. Each gas cooling tube 18 has a bell-shaped inlet end 19 comprising an aerodynamically curved gas-accelerating profile effective to facilitate streamlined flow of flue gas into the gas cooling tube. The flue gas cooler makes it possible to receive flue gas directly from an electric arc furnace without getting clogged by dust and sublimates present in the flue gas.

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

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SEMICONDUCTOR DATA PROCESSING APPARATUS AND ENGINE CONTROL APPARATUS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H03K :2012-	(71)Name of Applicant: 1)RENESAS ELECTRONICS CORPORATION
(32) Priority Date	119313 :25/05/2012	Address of Applicant :1753 SHIMONUMABE, NAKAHARA-KU, KAWASAKI-SHI, KANAGAWA, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KENICHI AKASHI
Filing Date (87) International Publication No	:NA : NA	2)NAOHIKO SHIMOYAMA
(61) Patent of Addition to Application Number	:NA	
Filing Date ((2) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The reliability in detection of toothless part is improved. A first counter (1 02) counts a clock signal from an initial value for each of pulse intervals of a predetermined event pulse train and the count value of the first counter (1 02) is held in a register (1 05) for each of pulse intervals. Further, the second counter (103) counts the clock signal from an initial value so that the count value thereof is equal to plural times of the count value of the first counter (102) for each of the pulse intervals. A timer function which can detect any of a first state in which the count value of the first counter (102) is equal to or larger than a first reference value and a second state in which the count value of the second counter (103) is equal to or smaller than the value held in the register (105) for each of the pulse intervals is adopted.

No. of Pages: 26 No. of Claims: 22

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: YARN WINDING DEVICE, YARN WINDING METHOD, AND YARN WINDING SYSTEM

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2012- 126863	1)MURATA MACHINERY, LTD. Address of Applicant :3, MINAMI OCHIAI-CHO,
(32) Priority Date	:04/06/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENJI KAWAMOTO
(87) International Publication No	: NA	2)OSAMU KIMURA
(61) Patent of Addition to Application Number	:NA	3)MASAO HIRUKAWA
Filing Date	:NA	4)YOSHIFUTO SONE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=X A1		<u> </u>

### (57) Abstract:

A winding unit (2) of an automatic winder includes a yarn supplying section (11) adapted to hold a yarn supplying bobbin (8), and a winding section (13) adapted to wind a yarn (Y) unwound from the yarn supplying bobbin (8) to form a package (P). A winding range in which the yarn (Y) is wound in the yarn supplying bobbin (8) is divided into seven individual setting ranges, and a package winding 10 speed is set for each of the seven individual setting ranges.

No. of Pages: 37 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :31/05/2013

(21) Application No.1643/DEL/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PUMP SEALING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16J :1255283 :06/06/2012 :France :NA :NA : NA :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)NEBOUT, NICOLAS 2)BECOUARN, GUILLAUME
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## (57) Abstract:

This is a device (1) for sealing a power station pump, said device (1) comprising a pump housing (10) comprising first and second ducts (15, 16) for the passage of a fluid, a shaft (20) comprising, near the pump housing (10), a first passage (51) for the fluid, a mechanical packing (70) mounted between the shaft (20) and the pump housing (10) and comprising friction elements for the rubbing-together of a rotating part (71) and of a stationary part (72). The device (1) comprises two states, a shut down first state in which no fluid circulates through said device (1) and an operating second state in which the fluid flows in a flow circuit passing via: the first passage (51) to supply the circuit with fluid, a second passage comprised between the pump housing (10) and the packing (70) and communicating with said friction elements (71, 72), the second passage then forming a means of cooling the friction elements (71, 72) and a thermal barrier (30), the first duct (15) to supply the second passage with cooled fluid, the second duct (16) to remove the hot fluid from the second passage.

No. of Pages: 18 No. of Claims: 10

(21) Application No.1414/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: L-TYPE TURN-FIN TUBE AND TURN-FIN TYPE HEAT EXCHANGER USING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F28F :10-2012- 0053862 :21/05/2012 :Republic of Korea :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)KOREA BUNDY CO., LTD.  Address of Applicant: 19, SILLI-GIL, JINWI-MYEON, PYEONGTAEK-SI,GYEONGGI-DO 451-865, REPUBLIC OF KOREA Republic of Korea (72)Name of Inventor:  1)RYOO, BYUNG HEE
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#### (57) Abstract:

Provided is an L-type tum-fin tube including a tum-fin which may provide excellent adhesiveness even with a tube having a small diameter, and a tum-fin type heat exchanger using the L-type tum-fin tube. The L-type tum-fin tube includes the tube and the tum-fin. A refrigerant moves in the tube. The tum-fin includes a base portion that is formed on one side of a bent portion obtained when a part of a groove portion recessed in a longitudinal direction is bent in the longitudinal direction, and a fin portion that is formed on the other side of the bent portion, wherein the base portion is spirally wound around an outer surface of the tube.

No. of Pages: 18 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :23/05/2013

(21) Application No.1545/DEL/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: TAPPET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01L :102012208791.5 :25/05/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SCHAEFFLER TECHNOLOGIES AG & CO. KG Address of Applicant:INDUSTRIESTRAE 1-3 91074 HERZOGENAURACH (DE) Germany (72)Name of Inventor: 1)STEFAN DORN 2)NORBERT GEYER
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## (57) Abstract:

The invention proposes a tappet (I)in, p articular for a fuel injection pump, said tappet (1) comprising a housing (2) which receives within its inner peripheral wall (5), in the region of a first annular front end (3), a roller (4) for a run-on cam, which inner peripheral wall (5) has a substantially cylindrical shape at least in this region, a bridge member. (6) extending right through the housing (2) axially under the roller (4), and an underside (8) of the bridge member (6) facing a second annular front end (7) of the housing (2) functioning as a support for a tappet follower member, and four notch-like recesses (9) into which the roller.(4) projects through its annular edges (lo), extending longitudinally on the inner peripheral wall (5) of the housing (2).

No. of Pages: 9 No. of Claims: 8

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE AND METHOD FOR DETECTING METALLIC CONTAMINANTS IN A PRODUCT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01Q :12172238.3 :15/06/2012 :EPO	·
(86) International Application No	:NA	UNITED KINGDOM
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DERUNGS MAX
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device (1) for detecting metallic contaminants (M) in a product (P) using a signal (S) received from a coil-based metal detector (2) comprises a calibration module (11) configured to determine a product-specific, bowtie-shaped detection envelope by receiving from the metal detector (2) during a calibration phase signals (S) with a resistive component (R) and a reactive component (X) for one or more specimens of the product (P). The device (1) further comprises a detection module (12) configured to compare, in a coordinate system for the resistive and reactive components, a vector representation of the signal (S) to the product-specific, bowtie-shaped detection envelope, and to indicate a presence of a metallic contaminant (M) in the product (P) when the vector representation of the signal (S) extends to an area outside the bowtieshaped detection envelope.

No. of Pages: 31 No. of Claims: 17

(21) Application No.1649/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONTAINER FOR A HYDRAULIC CIRCUIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B62D, B60K :102012209703.1 :11/06/2012 :Germany :NA :NA	(71)Name of Applicant:  1)FORD GLOBAL TECHNOLOGIES, LLC Address of Applicant: SUITE 800, 330 TOWN CENTER DRIVE, DEARBORN MICHIGAN 48126, UNITED STATES OF AMERICA (72)Name of Inventor:
(87) International Publication No	: NA	1)PETERMANN, VOLKER
(61) Patent of Addition to Application Number		2)FIGURA, MICHAEL GEORG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a container for a hydraulic circuit, more particularly a compensation tank for hydraulic oil of a hydraulic power steering unit, comprising a housing (2), an inlet (4) and outlet each provided in the housing (2), at least one filter (5, 24) disposed between the inlet (4) and outlet and surrounding an inner filter chamber (6) for separating off solid constituent parts from a fluid stream, wherein the filter (5, 24) has on one wall (7) an inlet opening (11), which can be connected in a fluid-tight manner to the inlet (4), and a bypass channel (13) for selectively bypassing the filter (5, 24) in dependence on a previously determinable differential pressure e between the inlet (4) and outlet. At least one sloshing baffle (16, 26) which is directed into the inner filter chamber (6) is provided on the wall (7).

No. of Pages: 24 No. of Claims: 9

(21) Application No.1205/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD FOR THE ESTIMATION AND CANCELATION OF MULTIPATH DELAY OF ELECTROMAGNETIC SIGNALS, IN PARTICULAR SSR REPLIES

(51) International classification	:G01S	(71) Nome of Applicant
		(71)Name of Applicant :
(31) Priority Document No	:RM2012A000175	1)Selex ES S.P.A.
(32) Priority Date	:24/04/2012	Address of Applicant :Via Piemonte, 60, 00187 ROMA Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:NA	1)DE MARCO, Patrizio
Filing Date	:NA	2)Dl MARZO, Antonio
(87) 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) A1		

#### (57) Abstract:

The present invention concerns a method for the estimation and correction of the multipath delay, by the analysis of the distortion of the autocorrelation function of each single impulse received with that of an ideal impulse; on the basis of the obtaining distortion with respect to the ideal correlation function, one derives back the variation of the impulse parameters and one estimates the effect of the multipart to be taken into account for compensation on the estimation of the time of arrival (TOA) of the electromagnetic signal.

No. of Pages: 34 No. of Claims: 7

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A PORTABLE REEL FOR INSTALLATION AND REMOVAL OF A PLURALITY OF DRIP IRRIGATION LINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A01G :219779 :14/05/2012 :Israel :NA :NA : NA	(71)Name of Applicant: 1)WEISS, Yehiel Address of Applicant: Moshav Bet Helqia 10, D.N. Nahal Soreq, 76815, Israel (72)Name of Inventor: 1)WEISS, Yehiel
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A reel device for winding/unwinding sets of parallel continuous dripper irrigation lines which are connected to a main pipeline, to simultaneously deploy the dripper irrigation lines over an irrigated area and providing irrigation to the area while they remain connected to the main pipeline. The reel device comprises a structural framework; a rotational pivot suspended by the structural framework and a reel sub-unit revolving around the pivot. The reel sub-unit has one or more supports discs, each of which with an angular cut for allowing placing and/or removing the main pipeline to/from the reel device. The discs are mounted along the pivot and are longitudinally spaced apart a distance approximately corresponding to the width required to accommodate a single irrigation line

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

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: APPLIED-IGNITION MULTI-CYLINDER INTERNAL COMBUSTION ENGINE FEATURING PARTIAL SHUTDOWN AND A METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE OF THIS KIND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F02F, F02B :102012210303.1 :19/06/2012 :Germany :NA :NA : NA	(71)Name of Applicant:  1)FORD GLOBAL TECHNOLOGIES, LLC Address of Applicant: SUITE 800, 330 TOWN CENTER DRIVE, BEARBORN MICHIGAN 48126, USA U.S.A. (72)Name of Inventor: 1)BREUER, ALBERT 2)SPRINGER, MORITZ KLAUS
	:Germany	DRIVE, BEARBORN MICHIGAN 48126, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BREUER, ALBERT
(87) International Publication No	: NA	2)SPRINGER, MORITZ KLAUS
(61) Patent of Addition to Application Number	:NA	3)LORENZ, THOMAS
Filing Date	:NA	4)RUHLAND, HELMUT HANS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		•

#### (57) Abstract:

The invention relates to an applied-ignition internal combustion engine having at least one cylinder head, which comprises at least four cylinders arranged in line and hence comprises two outer cylinders and at least two inner cylinders, in which - the at least four cylinders are configured in such a way that they form at least two groups, each comprising at least two cylinders, wherein the two outer cylinders form a first group and the at least two inner cylinders form a second group, the cylinders of which are designed as cylinders that can be switched on as a function of load and which are switched off when a predeterminable load is undershot, - each cylinder has at least one outlet port for discharging the exhaust gases from the cylinder, wherein each outlet port is fitted with an outlet valve, which can be controlled by means of a valve actuating device and exposes or closes the outlet port, - each outlet port is adjoined by an exhaust line, and - the exhaust lines of at least four cylinders come together to form a common exhaust line, forming an exhaust manifold in the process. The invention furthermore relates to a method for operating an internal combustion engine of this kind. The object is to provide an applied-ignition internal combustion engine of the type stated in which the exhaust and refill process is optimized as regards the risk of an overflow of exhaust gas. This is achieved by an applied-ignition internal combustion engine in which - the outlet ports of the outer cylinders and the outlet ports of the inner cylinders have opening durations of different lengths, wherein the outlet ports of the outer cylinders have the longer opening duration  $A\Delta$ long and the outlet ports of the inner cylinders have the shorter opening duration  $A\Delta$ short

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

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NON-DISPERSIVE INFRARED SENSOR WITH A REFLECTIVE DIFFUSER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/526589 :19/06/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor: 1)HENDERSON, DAVID BENJAMIN
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The present application provides a non-dispersive infrared gas sensor (100). The non-dispersive infrared gas sensor may include an infrared source (110), an infrared detector (120), and a waveguide (150) extending about the infrared source and the infrared detector. The waveguide may include a reflective diffuser (190) thereon.

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

(21) Application No.1567/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PILLAR TRIM STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60R, H01L :2012- 119135 :25/05/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 UP. Uttar Pradesh India (72)Name of Inventor:  1)GEMMA, KENTA  2)MATSUMOTO, SHINICHIRO
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#### (57) Abstract:

There is provided a pillar trim structure. A plate-shaped slider is configured to slide on a backside of a pillar trim in a longitudinal direction. A tunnel part is provided at an upper end of the backside of the pillar trim and formed with a through-hole. A rib is provided so as to stand at one side of an entrance of the through-hole over the longitudinal direction and inclined so that one edge of the slider gets away from the pillar trim as the slider gets over the rib. The entrance is cut out in an elongated shape at an opposite side and is cut out widely so that the entrance is more inclined with respect to the pillar trim than the slider from a predetermined starting point towards the one side and the entrance abuts on the slider at the starting point.

No. of Pages: 15 No. of Claims: 3

(21) Application No.1618/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :29/05/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention: VEHICLE SUN VISOR

(51) International classification	:B60J	(71)Name of Applicant:
(31) Priority Document No	:2012- 123480	1)KYOWA SANGYO CO., LTD. Address of Applicant :1, KOROMOGAHARA 3-CHOME,
(32) Priority Date	:30/05/2012	TOYOTA-SHI, AICHI 471-0856, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASAI TAKASHI
Filing Date	:NA	2)YAMAZAKI KOSUKE
(87) 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 vehicle sun visor includes: a sun visor body (20); a support shaft (30); and a damper (26) configured to apply braking force at the time when the sun visor body (20) turns. The damper (26) includes: a rotor (270) and a rotor case (260) that suppol-ts the rotor (270) such that the rotor (270) is rotatable around its axis. The rotor (270) includes a cylindrical portion (272) in which the support shaft (30) is inserted, the cylindrical portion (272) being held so as to be non-rotatable with respect to the support shaft (30). The rotor case (260) is held by the sun visor body (20) in a state where the rotor case (260) is non-rotatable with respect to the sun visor body (20). Selected drawing:

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

(21) Application No.1619/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :29/05/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention: VEHICLE SUN VISOR

(51) International classification	:B60J	(71)Name of Applicant:
(21) Priority Dogument No.	:2012-	1)KYOWA SANGYO CO., LTD.
(31) Priority Document No	123480	Address of Applicant :1, KOROMOGAHARA 3-CHOME,
(32) Priority Date	:30/05/2012	TOYOTA-SHI, AICHI 471-0856, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASAI TAKASHI
Filing Date	:NA	2)YAMAZAKI KOSUKE
(87) 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 vehicle sun visor includes: an urging member that applies turning force toward a storage position to a sun visor body (20) when a turning angle of the sun visor body (20) from the storage position is a predetermined angle or smaller; and a damper (26) that applies braking force when the sun visor body (20) turns. When a turning speed of the sun visor body (20) toward the storage position is a predetermined speed or lower, the damper braking force is smaller than a value obtained by subtracting turning force based on the weight of the sun visor body (20) froin the turning force of the urging h b e r and, when the turning speed toward the storage position exceeds the predetermined speed, the damper braking force is larger than or equal to the value obtained by subtracting the turning force based on the weight of the sun visor body (20) from the turning force of the urging member.

No. of Pages: 34 No. of Claims: 5

(22) Date of filing of Application :04/06/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: TORSIONAL VIBRATION DAMPER OR ROTATIONALLY ELASTIC COUPLING

(54) 5	P4 (P	
(51) International classification	:F16F	(71)Name of Applicant :
(31) Priority Document No	:EP12181966.8	1)ELLERGON ANTRIEBSTECHNIK GESELLSCHAFT
(32) Priority Date	:28/08/2012	M.B.H.
(22) Name of priority country	:EUROPEAN	Address of Applicant :HALLWANGER LANDESSTRASSE
(33) Name of priority country	UNION	3, 5300 HALLWANG, AUSTRIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GEISLINGER, MATTHIAS
(87) International Publication No	: NA	2)GEISLINGER, CORNELIUS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	UNION :NA :NA : NA : NA :NA :NA	3, 5300 HALLWANG, AUSTRIA (72)Name of Inventor: 1)GEISLINGER, MATTHIAS

#### (57) Abstract:

A torsional vibration damper or rotationally elastic coupling comprises: an outer housing (11) including a flange (13); an inner part (12) arranged within and rotatable relative to the outer housing (11); a plurality of intermediate pieces (16) arranged around the inner part (12) and spaced apart from each other in circumferential direction so as to form a plurality of chambers (15) filled with a damping medium; a plurality of leaf spring assemblies (18) having one or more leaf springs (19), said leaf spring assemblies (18) being arranged in said chambers (15) and having outer end portions (21) engaging with receptacles (22) formed between neighbouring intermediate pieces (16) and inner end portions (23) engaging with the inner part (12); and a clamping ring (26) extending around the intermediate pieces (16) and the leaf spring assemblies (18) for securing the leaf spring assemblies (18) between the intermediate pieces (16). The receptacles (22) between neighbouring intermediate pieces (16) and the corresponding radially outer end portions (21) of the leaf spring assemblies (18) taper radially inwardly. The intermediate pieces (16) are formed integrally on said flange (13) of the outer housing (11). The radially outer end portions (21) of the leaf spring assemblies (18) are urged radially into the receptacles (22) by the clamping ring (26). This configuration simplifies assembly of the damper or coupling and provides precise positioning of the leaf spring assemblies. Moreover, it is possible to obtain desired damping properties within narrow ranges of tolerance.

No. of Pages: 18 No. of Claims: 10

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TEST SYSTEM AND VEHICLE PERFORMANCE TEST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G01N, G01R :2012- 118092 :23/05/2012 :Japan :NA	(72)Name of Inventor: 1)URATANI, KATSUMI
Filing Date (87) International Publication No	:NA : NA	2)MISOGI, TSUTOMU 3)NAKAMURA, HIROSHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is adapted to be provided with: one or more testing devices used for a test; and a device management apparatus (5) that is communicably connected to the testing devices to manage the testing devices, wherein the device management apparatus has a display part (55) that obtains various types of information outputted from the testing devices, and erasably, switchably, or movably displays the pieces of information on a display, wherein regardless of the display of the pieces of information, the display part preferentially displays three alarm icons that are respectively for three pieces of alarm information including: sensitivity alarm information indicating a reduction in sensitivity of each of the testing devices; accumulated operating time alarm information that is alarm information on an accumulated operating time of the testing device; and inspection dateltime alarm information that is information indicating approaching or passing of an inspection dateltime of the testing device, and respectively have forms that are changed depending on contents indicated by the respective pieces of alarm information.

No. of Pages: 51 No. of Claims: 7

(19) INDIA

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

(21) Application No.1529/DEL/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: TEST SYSTEM

(51) International classification	:E05C, G07C	(71)Name of Applicant: 1)HORIBA, LTD.
(31) Priority Document No	:2012- 118093	Address of Applicant :2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510,
(32) Priority Date	:23/05/2012	JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)URATANI, KATSUMI
Filing Date	:NA	2)HACHIUMA, KATSUHIRO
(87) 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 is a test system (1) that is used for a mobile object such as a vehicle or a component used for the mobile object, and the test system (1) comprises one or a plurality of devices for test (4) used for a test and a device administrating device (7) that is connected to the device for test in a communicable manner and that administrates the device for test, and is characterized by that the device administrating device or the device for test a comprises a QC storing part (45) that stores a regulation ID to identify a regulation for the test and a quality check time or item to be provided for the device for test in a mutually associated manner.

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

(22) Date of filing of Application :04/06/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : CABLE FIXTURE ASSEMBLY FOR FASTENING AT LEAST ONE CABLE AT A CABLE CARRIER AS WELL AS A SPLITTER COMPRISING SUCH CABLE FIXTURE ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G02B :12171816.7 :13/06/2012 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS NEDERLAND BV Address of Applicant: RIETVELDNWEG 32, NL-5222 AR 'S HERTOGENBOSCH, THE NETHERLANDS (72)Name of Inventor: 1)DENDAS FREDDY JEAN PHILIP 2)JANSEN, MARC 3)SPAAN, DENNIS
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a cable fixture assembly (1) for fastening at least one cable (2), such as an optical fibre cable (2a), at a cable carrier (3), such as a housing (23) of a splitter (22), said assembly (1) comprising: the cable (2) having a core (4), a reinforcement cover (6) for protecting the core (4) as well as an outer jacket (8), wherein the reinforcement cover (6) and the outer jacket (8) are stripped off the core (4), at least in sections, and the stripped-off reinforcement 10 cover (6) is folded back; as well as the cable carrier (3), to which the cable (2) is fastened with the fold-back section (6a) of the reinforcement cover (6). Further provided is a method of fastening at least one cable (2) having a core (4), a reinforcement cover (6) for protecting the core (4) as well as an outer jacket (8), such as an optical fibre cable (2a), at a cable carrier (3), such as the housing (23) of a splitter (22), the method comprising the steps of: stripping the 15 reinforcement cover (6) and the outer jacket (8) off the core (4), at least in sections; folding back the stripped-off reinforcement cover (6), and fastening the fold-back section (6a) of the | reinforcement cover (6) to the cable carrier (3). For providing a cable fixture assembly as well as a method of fastening that gives a better resistance against tensile load when the cable is pulled on, the assembly of the present invention comprises a strengthening member (12), around which 20 the fold-back section (6a) of the reinforcement cover (6) is looped, and the method of the present invention comprises the step of looping the fold-back section (6a) of the reinforcement cover (6) around a strengthening member (12).

No. of Pages: 41 No. of Claims: 15

(22) Date of filing of Application :06/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: MATERIAL WITH HIGH RESISTANCE TO WEAR

(32) Priority Date :08/	1)BOHLER EDELSTAHL GMBH & CO. KG Address of Applicant :MARIAZELLERSTRAE 25, 8605 KAPFENBERG, OSTERREICH, AUSTRIA (72)Name of Inventor : 1)GERT KELLEZI 2)DEVRIM CALISKANOGLU
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#### (57) Abstract:

The invention relates to a production of ledeburite tool steels by means of a powder metallurgical method, which PM materials have isotropic, mechanical properties, improved 5 wear resistance and high hardness potential. One method essentially consists in subjecting an HIP ingot and/or a semi-finished product produced from this to a foil annealing at a temperature of over 1100 °C, but at least 10 °C below the fusing temperature of the lowest melting structure phase with a duration of over 12 10 hrs. and increasing the average carbide phase size of the material by at least 65%, the surface shape of which is rounded and the matrix homogenized, after which a further processing of the same into tools with high wear resistance occurs or into parts to which abrasive stress is applied. 15 The material according to the invention has isotropic, mechanical properties and has in the thermally tempered state a carbide phase proportion of MsC carbides and MC carbides of at least 7.0 percent by volume at an average carbide phase size of over 2.8 urn in the matrix, in which matrix a carbon concentration of (0.45 to 0,75) percent by weight is present.

No. of Pages: 24 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: ARMREST FOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02M :10-2012- 0150323 :21/12/2012 :Republic of Korea :NA :NA :NA :NA	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant:231, YANGIAE-DONG, SEOCHO-KU, SEOUL 137-938, KOREA Republic of Korea (72)Name of Inventor: 1)OH MAN JU 2)KIM JAE WOONG 3)PARK JAE WOO
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(21) Application No.1435/DEL/2013 A

#### (57) Abstract:

The present invention relates to an annrest for a vehicle. The annrest includes: an intake port which is fonned in a front surface of a front end of an annrest body; an exhaust port which is fonned in a rear end of the annrest body; a blower which is installed in the annrest body and connected to the intake port by an intake duct; a plumlity of cup holders which are arranged in a row above the intake duct; an exhaust duct which extends from the blower and branching off into a plurality of diverged parts that pass by the respective cup holders and are connected to the to exhaust port; and a thennoelement which is provided on each of the cup holders and is brought into close contact with the exhaust duct.

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

(21) Application No.1436/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: COMPACT TWO SIDED COLD PLATE WITH FLOATING TRANSFER TUBES

(51) International classification	:F23D	(71)Name of Applicant:
(31) Priority Document No	:13/490564	1)HAMILTON SUNDSTRAND SPACE SYSTEMS
(32) Priority Date	:07/06/2012	INTERNATIONAL, INC,
(33) Name of priority country	:U.S.A.	Address of Applicant :ONE HAMILTON ROAD, WILDSOR
(86) International Application No	:NA	LOCKS, CONNECTICUT 06096, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MARK A ZAFFETTI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(75)		·

## (57) Abstract:

A structural cold plate assembly includes cold plates mounted to opposing sides of a panel and in fluid communication through fluid passages that extend through the panel.

No. of Pages: 15 No. of Claims: 22

(21) Application No.1635/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ELEVATOR ROPE CLEANING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:Japan :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)TOSHIBA ELEVATOR KABUSHIKI KAISHA Address of Applicant:5-27 KITASHINAGAWA 6-CHOME, SHINGAWA-KU, TOKYO, JAPAN (72)Name of Inventor: 1)KENSEI YAMAMOTO 2)KAZUHISA KANAZAWA 3)TORU MORINO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

According to one embodiment, a rope cleaning device includes a pair of bases and a plurality of rotating members. The bases each include an upper tier and a lower tier arranged in an axial direction of a plurality of wire ropes to be cleaned, and are installed to interpose the wire ropes altogether therebetween from sides. A spacer for interval adjustment is interposed between the bases. The rotating members are rotatably attached to the wire ropes zigzag in correspondence with positions of the upper tiers and the lower tiers of the bases. The rotating members are brought into contact with the upper tiers and lower tiers of the bases by movement of the wire ropes in one direction and rotate, thereby removing grease.

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

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TEXTILE MACHINE STANDBY POSITION, DETERMINING METHOD OF DRIVEN MEMBER OF WINDING UNIT, AND WINDING UNIT

(51) Intermedianal alagaification	·C05D10/00	(71)Nome of Applicant
(51) International classification	:2012-	(71)Name of Applicant: 1)MURATA MACHINERY, LTD.
(31) Priority Document No	130262	Address of Applicant :3, MINAMI OCHIAI-CHO,
(32) Priority Date	:07/06/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)HISAKATSU IMAMURA
(87) International Publication No	: NA	2)KENJI KAWAMOTO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A stepping motor moves an upper-yarn catching member (30) by an amount corresponding to a specified number of pulses. A magnet sensor detects an origin position, which is a reference position, of the upper-yarn catching member (30). A number-of-pulse counting section obtains an actual measurement value, which is the number of 10 pulses necessary for moving the upper-yarn catching member (30) from a target position to the origin position. A drive control section determines a standby position of the upper-yarn catching member (30) in view of the actual measurement number counted by the number-of-pulse counting section, a theoretical value, and the origin 15 position.

No. of Pages: 33 No. of Claims: 13

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: EXHAUST GAS ANALYZING APPARATUS

(51) International classification	:G01M15/10	(71)Name of Applicant:
(31) Priority Document No	:2012- 117042	1)HORIBA, LTD. Address of Applicant :2, MIYANOHIGASHI-CHO,
(32) Priority Date	:22/05/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510,
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MIYAI, MASARU
(87) International Publication No	: NA	2)TOSHIMURA, TOMOSHI
(61) Patent of Addition to Application Number	:NA	3)ITO, MANABU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention enables continuous measurement of engine exhaust gas while substantially eliminating the users need to move a test chamber in which an engine is installed and replace a filter. According to the present invention, there are provided a first filter flow path (41) provided with a first filter (5), a second filter flow path (42) provided with a second filter (7), an exhaust gas analyzing part (3) for analyzing exhaust gas passing through the first filter (5) or the second filter (7), a flow path switching mechanism (9) for a switching between the first filter flow path (41) and the second filter flow path (42), and a pulse purge mechanisms (10) for supplying purge gas to the filters (5, 7) in the filter flow paths (41, 42) in a pulsed manner, and in the case where a pressure difference between an upstream side and a downstream side of the filter provided in one filter flow path in which the exhaust gas flows becomes equal to or larger than a predetermined value, the one filter flow path is switched to the other filter flow path, and purge gas is supplied to the filter provided in the one filter flow path in the pulsed manner.

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

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ANALYZER CALIBRATING SYSTEM AND EXHAUST GAS ANALYZING SYSTEM

(51) Intermedia and alexactic and	.C01N	(71)NJ
(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HORIBA, LTD.
(31) Thomas Boument To	117043	Address of Applicant :2, MIYANOHIGASHI-CHO,
(32) Priority Date	:22/05/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510,
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MIYAI, MASARU
(87) International Publication No	: NA	2)NAKAMURA, HIROSHI
(61) Patent of Addition to Application Number	:NA	3)NISHIKAWA, MASAHIRO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is intended to reduce calibration time and a consumption amount of calibration gas in the case of concurrently calibrating a plurality of analyzers and includes: a calibration gas line (4) for concurrently supplying the same calibration gas to a plurality of analyzers (2x); and a control unit (5) adapted to determine whether or not an output value of each of the plurality of analyzers (2x) supplied with the same calibration gas is stable, whereby the control unit calibrates the analyzer (2x) having the output value determined to be stable and stops the supply of the calibration gas to the analyzer (2x) having completed with the calibration.

No. of Pages: 20 No. of Claims: 4

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ELECTRICAL DEVICE WITH AXIAL CONTROL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:MI2012A 000992 :07/06/2012	(71)Name of Applicant: 1)VIMAR S.P.A. Address of Applicant: VIALE VICENZA, 14, 36063 MAROSTICA VICENZA, ITALY
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:Italy :NA :NA : NA :NA	(72)Name of Inventor: 1)VOLPATO, ALBERTO 2)CAVALLI, ANTONIO
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Electrical device with axial control, such as switch, double-pole switch, toggle switch, inverter or the like, comprising a box-like containment structure (20) in insulating material, in which are housed: at least two connection terminals (31, 32), at least one fixed electrical contact (35) connected to one (31) of the connection terminals, at least one rocker arm element (36) carrying at least one mobile electrical contact (37) and connected electrically to another (32) of the connection terminals, and an axial actuation member (70) kinematically connected by means of a first oscillating support k (50) to said rocker arm element (36), so as to make it oscillate between two predetermined stable positions, wherein on said first oscillating support (50) acts a second oscillating support (60) which is made to oscillate in one direction or in the other at each actuation of said axial actuation member (70).

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

(21) Application No.1743/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: REEL-FED PRINTING PRESS

(31) Priority Document No :10 2012 013 002.3	(71)Name of Applicant:  1)MANROLAND WEB SYSTEMS GMBH Address of Applicant: ALOIS-SENEFELDER-ALLEE 1, 286153 AUGSBURG, GERMANY (72)Name of Inventor: 1)SVEN FISCHER 2)MATTHIAS WERMUTH 3)BODO THEEG
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#### (57) Abstract:

A reel-fed printing press having at least one printing tower (10), wherein the or each printing tower (10) comprises a first printing unit (11) that can be operated from a printing hall floor and a second printing unit (12) that is positioned vertically above the first printing unit (11) which can be operated from a gallery level positioned above the printing hall floor, wherein the or each printing tower is assigned a reel changer (19) and a web leading and turning unit (25), and having a folding unit (22) comprising a former (24) and a folding superstructure (23), and wherein the web leading and turning unit (25) assigned to the or each printing tower (10) is positioned laterally next to the second printing unit (12) of the respective printing tower (10), so that the second printing unit (12) and the web leading and turning unit (25) of the respective printing tower (10) positioned next to the same can be operated from the same gallery level.

No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :30/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SURGICAL FASTENERS AND METHODS AND DEVICES FOR DEPLOYING A SURGICAL FASTENER

(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:13/492,171	1)DEPUY MITEK, LLC
(32) Priority Date	:08/06/2012	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DOUGLAS HESTER
(87) International Publication No	: NA	2)JOYCE-MARIE GALLAGHER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various exemplary surgical fasteners are provided, and methods and devices are provided for deploying a surgical fastener. In general, the methods and devices allow a surgical fastener to be deployed to secure tissue to bone. In one embodiment, a surgical fastener can be configured to move between a first linear or compressed configuration, in which the fastener can have a first maximum diameter, and a second bent or expanded configuration, in which the fastener can have a second maximum diameter greater than the first maximum diameter. A delivery device can be configured to advance the fastener through tissue and into bone to attach the tissue to the bone. The delivery device can be configured to maintain the fastener in the compressed configuration such that when the fastener is released from the delivery device, the fastener can be configured to self-expand from the compressed configuration to the expanded configuration.

No. of Pages: 36 No. of Claims: 10

(21) Application No.1624/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: VEHICULAR FUEL CELL SYSTEM

(51) International classification	:F01L	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION
(31) I Hority Document No	128983	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:06/06/2012	KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 JP. Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIROTA, KAZUYUKI
Filing Date	:NA	2)TAKADA, SHINICHIRO
(87) International Publication No	: NA	3)OZAWA, NAOKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

There is provided a vehicular fuel cell system. A fuel gas supply path is configured to supply fuel gas from a fuel gas container to a fuel cell stack. A primary decompression valve is disposed on the fuel gas supply path. A secondary decompression valve is disposed on the fuel gas supply path at a downstream side of the primary decompression valve. The secondary decompression valve is fixed to the fuel cell stack.

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

(21) Application No.1685/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PAPER SHEET PROCESSING APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:2012- 130132 :07/06/2012 :Japan	(71)Name of Applicant:  1)GLORY LTD.  Address of Applicant: 3-1, SHIMOTENO 1-CHOME, HIMEJI-SHI, HYOGO-KEN, JAPAN (72)Name of Inventor:  1)TOSHIHIDE ASADA
11		
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA : NA :NA :NA :NA	(72)Name of Inventor: 1)TOSHIHIDE ASADA

#### (57) Abstract:

A paper sheet processing apparatus comprises a taking-in unit 10 configured to take therein paper sheets, a transport unit 70 5 configured to transport the paper sheets, a recognition unit 20 configured to recognize the paper sheets, a plurality of stacking units 60a to 60d configured to stack the paper sheets, the paper sheets stacked in the stacking units 60a-60d being able to be removed from the stacking units 60a-60d, and a detection sensor 25a to 25d 10 configured to detect whether the paper sheets have been removed from the stacking units 60a-60d. When a control unit 50 judges that the paper sheets have been removed from the stacking units 60a to 60d based on information from the detection sensor 25a to 25d, the control unit 50 outputs removal information on the removed paper 15 sheets or the stacking units 60a to 60d from which the paper sheets have been removed.

No. of Pages: 34 No. of Claims: 13

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ELECTROMAGNETIC BRAKING SYSTEMS AND METHODS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	13/536,245 28/06/2012 U.S.A. NA NA NA NA NA NA NA NA	71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345,USA. U.S.A. 72)Name of Inventor: 1)PANOSYAN, ARA 2)SCHRAMM, SIMON HERBERT 3)HEMMELMANN, JAN ERICH 4)SIHLER, CHRISTOF MARTIN 5)PAPINI, FRANCESCO 6)DONG, XIAOTING 7)HUBER, JOHANNES
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## (57) Abstract:

An electromagnetic braking system of a power generation system includes an electrically conductive disc coupled to a rotatable shaft operatively coupled between a prime mover and a generator; a controller for receiving a status signal from the power generation system and for generating a control signal based on the status signal; and an inducting unit for applying an electromagnetic braking force on the electrically conductive disc when commanded by the control signal to regulate a rotational speed of the rotatable shaft.

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

(21) Application No.1745/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A COUNTER WEIGHT MEANS FOR A CROSS ARM OF X-RAY EQUIPMENT AND A CORRESPONDING X-RAY EQUIPMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61B6/08 :201220310852.7 :29/06/2012 :China	(71)Name of Applicant: 1)GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMAPNY LLC Address of Applicant: 3000 NORTH GRANDVIEW
(86) International Application No Filing Date	:NA :NA	BOULEVARD, WAUKESHA, WI 53188-1696, USA U.S.A. (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	1)LING, ZHENGGANG 2)WANG, YICHENG 3)WANG, ZHENGJUN
(62) Divisional to Application Number Filing Date	:NA :NA :NA	5)WANG, ZHENGJUN

#### (57) Abstract:

The present utility model relates to the art of medical imaging devices. The present utility model discloses a gravity balance means for a cross arm of X-ray equipment, which means is mounted within the cross arm for maintaining gravity balance of the cross arm, wherein the gravity balance means comprises a counter weight module, capable of moving along in a direction opposite to the direction in which a tube of X-ray equipment moves. The gravity balance means for the cross arm of X-ray equipment as provided by the present utility model and a corresponding X-ray equipment, solving the problem of self-balancing of the cross arm of X-ray equipment, thereby improving the security of equipment, reducing production cost of the cross arm, expanding application scope of the cross arm, and eliminating risk accidents of exceptional inclination and rotation in an imbalance state of the cross arm.

No. of Pages: 9 No. of Claims: 7

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: BATCH-COMPUTED NEWS FEED UPDATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G06Q :61/651,994 :25/05/2012 :U.S.A. :NA :NA :NA	
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

## (57) Abstract:

A system may receive, at least in part from an update database, a plurality of updates to a plurality of profiles that individually describe ones of a plurality of users of a social network. The system may process, using a batch processor, at least some of the plurality of updates to generate a consolidated update indicative of a status of at least some of the plurality of profiles. The system may transmit the consolidated update to the update database. The system may display the consolidated update on an update stream of the social network corresponding to at least one of the plurality of users.

No. of Pages: 33 No. of Claims: 28

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: RAILCAR CONSTANT CONTACT SIDE BEARING ASSEMBLY

		(71)Name of Applicant:
		1)MINER ENTERPRISES, INC.
(51) International classification	:B61F	Address of Applicant :1200 EAST STATE STREET,
(31) Priority Document No	:13/507,145	GENEVA, ILLINOIS, USA U.S.A.
(32) Priority Date	:07/06/2012	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)PAUL B. ASPENGREN
(86) International Application No	:NA	2)ERIK D.JENSEN
Filing Date	:NA	3)MICHAEL VANMALDEGIAM
(87) International Publication No	: NA	4)ADAM J. MERGES
(61) Patent of Addition to Application Number	:NA	5)MARK W. STANEK
Filing Date	:NA	6)JEFF BALLERINI
(62) Divisional to Application Number	:NA	7)STEVE R. WHITE
Filing Date	:NA	8)ANDY R. KRIES
		9)BRADLEY J. HAYMOND
		10)ERICH A. SCHOEDL

#### (57) Abstract:

A constant contact side bearing assembly for a railcar including a housing with wall structure and a multipiece cap. The cap is arranged in operable combination with the housing and includes a first member and a second member carried by the first member. Either the members of the mulitpiece cap or separate structure on the cap members or housing facilitate vertical reciprocatory movements of the cap members relative to the housing. A spring resiliently urges the cap members toward railcar body structure. The cap members define cooperating angled surfaces therebetween for urging wall structure on the first and second members in opposite horizontal directions and toward frictional engagement with the wall structure on the housing in response to a vertical load acting on a friction contacting surface on the cap. The friction contacting surface on the second member establishes a proper coefficient of friction with the railcar body structure. An apparatus, carried by the cap members, allows the cap members to horizontally slide relative to each other while limiting vertical separation of the cap members relative to each other during operation of the constant contact side bearing assembly.

No. of Pages: 92 No. of Claims: 22

(22) Date of filing of Application :06/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FASTENING SYSTEMS FOR WIND TURBINES AND CORRESPONDING INSTALLATION METHODS

(51) International classification (31) Priority Document No	:F03D1/00 :ES 201200643	(71)Name of Applicant:  1)GAMESA INNOVATION & TECHNOLOGY, S.L. Address of Applicant : AVENIDA CIUDAD DE LA
(32) Priority Date (33) Name of priority country	:Spain	INNOVACION, 9-11, 31621 SARRIGUREN (NAVARRA), SPAIN
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ARTAL LORENTE, DANIEL
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)DE LAS CUEVAS JIMENEZ, FERNANDO 3)LAZCOZ SANTESTEBAN, FERMIN
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	4)MUNARRIZ ANDRES PEDRO

#### (57) Abstract:

Fastening system for wind turbines characterized by comprising a front flange (9) and a rear flange (8), which are joined together and supported on the hollow rotary shaft (2), and coupled to the pitch system comprising the bearings (6) for the shaft and the star-shaped part (4). The fastening method couples the rear flange (8) to the hollow shaft (2) with a tapered collar (10) and also to the front flange (9) through some spacer bushings (11). The collar (10) uses friction to transfer significant moments and axial stresses so as to improve the fastening system, and the direction of the bolts on the collar (10) and the bolts (12) on the spacer bushings (II) simplify inspection and maintenance tasks.

No. of Pages: 14 No. of Claims: 6

(21) Application No.1748/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR CONNECTING TWO FLEXIBLE CONTAINERS

(51) International classification	:B29C65/00	(71)Name of Applicant :
(31) Priority Document No	:10 2012 105 233.6	1)FLECOTEC AG Address of Applicant :HAUPTSTR.83, 79379 MUELLHEIM,
(32) Priority Date	:15/06/2012	GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)UNTCH GUENTER
Filing Date	:NA	2)LAIS PETER
(87) International Publication No	: NA	3)KOCH MARTIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
( <b>7-</b> ) 11		·

#### (57) Abstract:

The invention relates to a method for connecting two 5 flexible containers (1, 3), in particular for the environmentally sealed connecting of two open ends of tubular films. According to the invention, the method has at least the following method steps of: 1.1 everting a first open end of a first flexible 10 container (3) over a first ring (4), 1.2 everting a second open end of a second flexible container (1) over a second ring (1; 5), 1.3 subsequent insertion of the first ring (4) through the second ring (2; 5) into the inside of the 15 second flexible container (1); 1.4 subsequent parallel and coaxial alignment of the rings (2; 5, 4) in relation to one another and 1.5 final abutting of the rings (2; 5, 4) against the ends trapped in between them.

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

(21) Application No.1125/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CELL HARVESTING DEVICE AND SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A01D :13/491,897 :08/06/2012	
(33) Name of priority country	:U.S.A.	WASHINGTON, NEW YORK 11050, UNITED STATES OF
(86) International Application No	:NA	AMERICA, U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SIDDIQUI, IMRAN A.
(61) Patent of Addition to Application Number	:NA	2)DELGIACCO, GERARD R.
Filing Date	:NA	3)PROVITERA, PAXTON E.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Devices, methods, and systems for obtaining one or more biological fluid components, and reducing red blood cell contamination, using a back-flushable filter device, are disclosed.

No. of Pages: 45 No. of Claims: 17

(21) Application No.1155/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ULTRASONIC FLOW MEASUREMENT SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G01S :13/455,830 :25/04/2012 :U.S.A.	
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SUI, LEI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	2)NGUYEN, TOAN HUU 3)ROSS, EVAN LAWRENCE 4)ZORN, ALEXANDER MICHAEL
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An ultrasonic flow measurement system having a first ultrasonic sensor with a first ultrasonic buffer and a second ultrasonic sensor with a second ultrasonic buffer is disclosed. The first and second ultrasonic buffers have different cross sections in order to reduce distortion of the ultrasonic signals.

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

(21) Application No.1453/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHODS AND SYSTEM FOR SIGNAL FINGERPRINTING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B61K, G06K :61/661,205 :18/06/2012 :U.S.A. :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)SODERI, SIMONE
Filing Date (87) International Publication No.	:NA : NA	2)PAPINI, MARIO LUIGI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems (100, 400) and methods (800, 900) for modulating a telepowering signal in a downlink communication. Embodiments of the present invention provide a fingerprint module (202) to generate a fingerprint signal that can be modulated with a telepowering signal for communication by a transmission module (1 10) in a downlink communication. The fingerprint signal is reflected by a wayside equipment module (120) and received by the transmission module (1 10) to enable an additional communication other than the downlink communication and an uplink communication.

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

(19) INDIA

(21) Application No.1549/DEL/2013 A

(22) Date of filing of Application :23/05/2013

(43) Publication Date: 13/02/2015

(54) Title of the invention: TEST SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01R, H04L :2012- 118183 :24/05/2012	(71)Name of Applicant: 1)HORIBA, LTD. Address of Applicant: 2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)URATANI, KATSUMI
Filing Date	:NA	2)MISOGI, TSUTOMU
(87) International Publication No	: NA	3)HACHIUMA, KATSUHIRO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One or more testing devices used for a test, a device management apparatus (7) that is communicably connected to the testing devices to manage the testing devices, and an automatic test management apparatus that sets a schedule of the test, and on the basis of the schedule, issues a command to the device management apparatus are provided, in which the device management apparatus is provided with: a disconnecting/connecting operation sensing part (71) that senses that a disconnecting/connecting operation for connecting or disconnecting any of the testing devices has been performed; and a management main body part (73) that, in the case where the disconnecting/connecting operation sensing part detects a connecting operation, starts a predetermined connecting protocol for establishing a connecting state and starts management of the testing device, as well as in the case where the disconnecting/connecting operation sensing part detects a disconnecting operation, canceling the connection to terminate the management of the testing device.

No. of Pages: 48 No. of Claims: 10

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: POLYAMIDE MOULDING COMPOSITION AND MOULDED ARTICLES MADE THEREOF

(74) 7	G0.077	
(51) International classification	:C08H	(71)Name of Applicant:
(31) Priority Document No	:12 197 634.4	1)EMS-PATENT AG
(32) Priority Date	:18/12/2012	Address of Applicant :VIA INNOVATIVA 1, CH-7013
(33) Name of priority country	:EUROPEAN	DOMAT/EMS, SWITZERLAND
(55) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. RER. NAT. ANDREAS BAYER
Filing Date	:NA	2)DIPL. CHEMIKER NIKOLAI LAMBERTS
(87) International Publication No	: NA	3)DR. RER. NAT BOTHO HOFFMANN
(61) Patent of Addition to Application Number	:NA	4)DR. RER. NAT. DIPL. CHEM. MANFRED HEWEL
Filing Date	:NA	5)DR. RER. NAT. DIPL. CHEM OLIVER THOMAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to heat-aging resistant polyamide molding materials based on partially crystalline, partially aromatic polyamides as well as to molds manufactured therefrom.

No. of Pages: 38 No. of Claims: 15

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: STORAGE STRUCTURE OF PORTABLE INFORMATION TERMINAL FOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F1/00 :2012- 218883 :28/09/2012 :Japan	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant: 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)KOHEI YOKOUCHI
Filing Date	:NA	2)SHUJIRO INUI
(87) 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 portable information terminal considering sunlight, and to allow the sound of the To improve visibility of a screen of a portable information terminal to be easily listened to. [Constitution] In a storage structure of a portable information terminal for a vehicle, which is a storage structure for a vehicle, the storage structure of the portable information terminal being arranged forward of an occupant, the structure for a vehicle includes a communication terminal storage section 41 that detachably stores the portable information terminal S and a hood 47 arranged upper than the communication terminal storage section 41, a storage recess 73 having an open port 72 opening at least backward is formed between the communication terminal storage section 41 and the hood 47, the hood 47 extends backward and covers at least a part of the communication terminal storage section 41 from the above, and the communication terminal storage section 41 inclines forward and upward and is arranged so that the communication terminal storage section 41 is visible by the occupant through the open port 72.

No. of Pages: 74 No. of Claims: 10

(21) Application No.1614/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :12/03/2009 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTEGRATION OF SAMPLE STORAGE AND SAMPLE MANAGEMENT FOR LIFE SCIENCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:08/04/2005 : NA	(71)Name of Applicant:  1)BIOMATRICA INC.  Address of Applicant: 2658 Del Mar Heights Road Suite 522  Del Mar CA 92014 United States of America. U.S.A.  (72)Name of Inventor:  1)HERRNSTADT Corinna  2)MULLER Rolf  3)MULLER-COHN Judy
· /	: NA :NA :NA	l '
Filing Date (62) Divisional to Application Number Filed on	:5638/DELNP/2006 :27/09/2006	

### (57) Abstract:

Compositions and methods are disclosed for automated storing, tracking, retrieving and analyzing biological samples, including dry storage at ambient temperatures of nucleic acids, proteins (including enzymes), and cells using a dry storage matrix that permits recovery of biologically active materials. RFID-tagged biological sample storage devices featuring dissolvable or dissociable matrices are described for use as supports of biological samples, which matrices can be dried and subsequently rehydrated for sample recovery. Also disclosed are computer-implemented systems and methods for managing sample data.

No. of Pages: 84 No. of Claims: 39

(22) Date of filing of Application :07/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PAPER SHEET PROCESSING APPARATUS

(51) International classification	:B65B27/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 137084	1)KABUSHIKI KAISHA TOSHIBA Address of Applicant :1-1, SHIBAURA 1-CHOME,
(32) Priority Date	:18/06/2012	MINATO-KU, TOKYO 105-8001, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)JUN OKAMOTO
Filing Date	:NA	2)KENICHI HIROSE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7		

### (57) Abstract:

According to one embodiment, a paper sheet processing apparatus includes a supply unit, a pick-up mechanism, an inspection device, a stacking device, and 5 a wrapping device configured to wind a band around a stacked paper sheet bundle and wrap the stacked paper: sheet bundle. The wrapping device includes a clamp mechanism configured to curve the stacked paper sheet bundle by pressing both side portions of the stacked 10 paper sheet bundle, a band winding device configured to wind a wrapper band around the curved stacked paper sheet bundle, and a heater configured to heat-seal an end of the wrapper band. The clamp mechanism includes a press member configured to adjust a degree of 15 curvature of the stacked paper sheet bundle.

No. of Pages: 92 No. of Claims: 9

(21) Application No.1807/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MOTOR VEHICLE WITH AN ELECTRIC DRIVE UNIT

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B60K140/00 :102012106536.5 :19/07/2012 :Germany :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR.ING. H.C.G. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor: 1)STEFFEN MAURER
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## (57) Abstract:

Motor vehicle with an electric drive unit 5 The invention relates to a motor vehicle with an electric drive unit (11), wherein the drive unit (11) has an electric drive motor (12) and a device (13) providing electric energy, wherein the drive motor (12) and the device (13) form a unit which is mounted in a common supporting structure (14) which 10 is mounted in a vehicle body (1). In such a motor vehicle, it is provided according to the invention that the device providing the electric energy is a high-voltage battery (13), wherein the supporting structure (14) is mounted in bearings (5, 6, 7) of the body (1), said bearings serving, when the 15 motor vehicle is equipped with an internal combustion engine and a transmission connected to the latter, for the mounting of the internal combustion engine and t.ran sm.i s si.on .

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

(21) Application No.1808/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND UNIT FOR UNEVEN TRANSFERRING OF BEADS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:P.399794 :04/07/2012 :Poland :NA	Address of Applicant :UL. WARSZTATOWA 19A, 26-600 RADOM, POLAND
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	(72)Name of Inventor: 1)CIESLIKOWSKI, BARTOSZ 2)FIGARSKI, RADOSLAW 3)FIGARSKI, JACEK
(62) Divisional to Application Number Filing Date	:NA :NA	4)MAKOSA, KAZIMIERZ

## (57) Abstract:

The object of the application is a unit for uneven transferring of a bead (2) stream in a filter manufacturing machine, from receiving pockets (18) to leading away pockets (21), through guiding grooves disposed on guiding plates, comprising two guiding plates (5, 6) situated on top of each other, whereas a guiding groove (5A) of the first guiding plate (5) and a guiding groove (6A) of the second guiding plate (6) intersect, forming at least onebead (2) guiding chamber, whereas at least one of the guiding plates (5, 6) is movable, characterised in that the receiving pockets (18) and the leading away pockets (21) are disposed along the circumference of the guiding plates (5, 6) so that the distances (81, 82, T1, T2) between the successive pockets (18, 21) are alternately different.

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

(22) Date of filing of Application :04/06/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: LOW REFRACTIVE INDEX FILM-FORMING COMPOSITION AND METHOD OF FORMING LOW REFRACTIVE INDEX FILM USING THE SAME

:C09C,	(71)Name of Applicant:
	1)MITSUBISHI MATERIALS CORPORATION
	Address of Applicant :3-2, OTEMACHI 1-CHOME,
	CHIYODA-KU, TOKYO 1008117, JAPAN
:06/06/2012	(72)Name of Inventor:
:Japan	1)HIGANO, SATOKO
:NA	2)YAMASAKI, KAZUHIKO
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	C03C :2012- 128553 :06/06/2012 :Japan :NA :NA :NA :NA

### (57) Abstract:

A low refractive index film-forming composition and a low refractive index film are prepared with a method in which fluoroalkyl group-containing silicon alkoxide (B) is mixed with silicon alkoxide (A) to obtain a mixture; water (C), formic acid (D), and an organic solvent (E) are mixed with the mixture to produce a hydrolysate of the mixture; and silica sol (F) obtained by dispersing beaded colloidal silica particles in a liquid medium is mixed with the hydrolysate.

No. of Pages: 33 No. of Claims: 2

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HOUSING PART FOR A HIGH-PRESSURE PUMP AS WELL AS HIGH PRESSURE PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F04B53/00 :10201221275 :20/07/2012 :Germany :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMAMY  (72)Name of Inventor:  1)BOECKING, FRIEDRICH
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present subject matter relates to a housing part (1) for a high pressure pump with a high pressure bore (2) in which a high-pressure valve (3) formed as a check valve is accommodated, wherein the high pressure valve (3) comprises an axially displaceable valve element (4), which consist a dome shaped sealing surface (6) interacting with a valve seat (5) and is acted upon in the direction of the valve seat (5) by the spring force of a spring (7). According to the present subject matter, the valve element (4) of the high pressure valve (3) is guided via one bushing (8), which is connected with the housing part (1) in force-fit and/or form-fit manner, and accommodated in the high-pressure bore (2). Furthermore, the present subject matter relates to a high pressure pump for a fuel injection system having such a housing part (1).

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

(21) Application No.1813/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: YARN WINDING MACHINE

(51) International classification	:B65H63/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 167373	1)MURATA MACHINERY, LTD. Address of Applicant :3, MINAMI OCHIAI-CHO,
(32) Priority Date		KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUICHI FUKUHARA
(87) International Publication No	: NA	2)TETSUJI MASAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An automatic winder 10 includes a plurality of winding units 11, a plurality of yarn defect detecting devices 31, and a comparing section 42. The plurality of the winding units 11 forms a package 18 by unwinding a yarn 16 wound around a yarn supplying bobbin 15. Each of the plurality of the yarn defect detecting devices  $10 \cdot 31$  is mounted in each of the plurality of the winding units 11, and detects a yarn defect of the yarn 16 wound by each of the winding units 11. A comparing section 42 compares detection results of the plurality of the yarn defect detecting devices 31. The comparing 42 also calculates a tendency of occurrence of the yarn defect in 15 accordance with the detection results of the plurality of the yarn defect detecting devices 31, and compares the tendency of occurrence with the detection result of the yarn defect detecting device 31.

No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TEXTILE MACHINERY AND PERIODIC UNEVENNESS DETECTING METHOD THEREIN

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:2012- 147240	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.  Address of Applicant: 3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)IKKAI TOMOYUKI
(87) 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:

When a periodic unevenness of a drafted fiber bundle is detected, a draft ratio in a draft device is changed. Since a generation period of the periodic unevenness in the fiber bundle changes in accordance with a change in the draft ratio, a textile machinery detects the periodic unevenness under a plurality of different draft ratios, 10 acquires the detection result, and inspects a change in the detection result. The periodic unevenness may be generated by a plurality of overlapped causes depending on generated positions of the periodic unevenness on the fiber bundle. In such a case, a range (a position) where the generation cause of the periodic unevenness may exist can 15 be limited by changing the draft ratio and inspecting the change in the detection result.

No. of Pages: 40 No. of Claims: 15

(22) Date of filing of Application :06/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POWER PLANT WITH SOLAR ENERGY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:12171600.5 :12/06/2012	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)CARRONI, RICHARD 2)RUCHTI, CHRISTOPH 3)DIETZMANN, JOERG
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Power Plant with Solar Energy sl A power plant (1) comprising at least one of a gas turbine (GT), a steam turbine (ST) with a water-steam cycle, and a heat recovery steam generator (8) operatively connected to a heat generating member such as solar energy system (Ssolar) by means of a primary circuit (10a, 10b, 10c) and a secondary circuit system (20a). The primary heat transfer circuit (10a, 10b) comprises solar heating system (Ssolar) configured to heat a primary fluid(10), and the secondary circuit (20a) comprises a flow line(20A) for a secondary flow (20) and a main heat exchanger (23) to exchange heat between the secondary water flow and a gas turbine inlet air flow (2). A first line (108) in the primary circuit (10b) leads to a first heat exchanger (12) to heat the water flow in the secondary circuit (20a). (figure 1) 19

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

(21) Application No.1704/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VEHICLE DOOR OPENING DEVICE

(51) Intermedia and already are	.E05E15/00	(71)NI
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2012-	1)MITSUI KINZOKU ACT CORPORATION
(51) Thomas Document No	137568	Address of Applicant :48, KAMOME-CHO, NAKA-KU,
(32) Priority Date	:19/06/2012	YOKOHAMA-SHI, KANAGAWA, 231-0813 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIROSHI ISHIGAKI
Filing Date	:NA	2)KAZUHITO YOKOMORI
(87) 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 vehicle door opening device comprises a drive unit, an opening cable and a closing cable. The drive unit comprises a housing, a motor mounted to the housing and having armature, and a drum rotated by the motor. At a vertex of the housing, an exterior angle was approximately right angles. The axis of the armature is perpendicular to a side of the housing having the vertex at the end. The drive unit can be made smaller. 28

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

(21) Application No.1789/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POWER TRANSMITTING APPARATUS FOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60K6/00 :10-2012- 0065142 :18/06/2012 :Republic of Korea :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant:231, YANGIAE-DONG, SEOCHO-GU, SEOUL, KOREA Republic of Korea (72)Name of Inventor: 1)LEE SUENG HO 2)PARK JONGSOOL 3)CHO HYUNG WOOK
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#### (57) Abstract:

A power transmitting apparatus for a vehicle includes: an electric supplementary drive unit; a torque converting device including a planetary gear set having a first rotation I element connected to the electric supplementary drive unit, a second rotation element I connected to an engine, and a third rotation element operated as an output element; an I I input device including a first input shaft connected to the third rotation element through I one clutch and provided with an input gear thereon, and a second input shaft coaxial with the first input shaft without rotational interference, connected to the second rotation element through the other clutch, and provided with an input gear thereon; a direct coupling device selectively connecting two rotation elements among the first, second, and I third rotation elements of the torque converting device so as to cause the torque converting device to become a direct-coupling state; and a speed output device.

No. of Pages: 55 No. of Claims: 29

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: HYBRID TRANSMISSION FOR A MOTOR VEHICLE

## (57) Abstract:

The transmission (10) comprises a main gearbox (12) made as a mechanical gearbox with a plurality of gears and an electric machine (14). The main gearbox (12) comprises at least one primary shaft (24), at least one secondary shaft (26), and a plurality of gear sets (30, 44, 32, 46, 34, 48, 36, 50, 38, 52, 40, 54) adapted to implement each a respective gear (I, II, III, IV, V, VI) and comprising each a driving gearwheel (30, 32, 34, 36, 38, 40) carried 10 by a respective primary shaft (24) and a driven gearwheel (44, 46, 48, 50, 52, 54) carried by a respective secondary shaft (26) and directly or indirectly meshing with the respective driving gearwheel (30, 32, 34, 36, 38, 40). A first gearwheel (30) and a second gearwheel (44) meshing with each other are idly mounted on the primary shaft (24) and on the secondary shaft (26), respectively, and are selectively connectable for rotation with the respec- 15 tive shaft (24, 26) by means of a first coupling device (42) and of a second coupling device (56), respectively. The electric machine (14) is releasably connected to the first gearwheel (30) or to the second gearwheel (44), in such a manner that with the first coupling device (42) in an engaged position the electric machine (14) is able to transmit torque to the primary shaft (26) on which the second cou- 2 0 pling device (56) in an engaged position the electric machine (14) is able to transmit torque to the secondary shaft (26) on which the second gearwheel (44) is mounted. The transmission (10) further comprises a secondary gearbox (16) with two or more gears interposed between the electric machine (14) and the first (30) or the second gearwheel (44). 25)

No. of Pages: 32 No. of Claims: 8

(22) Date of filing of Application :06/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ENHANCED FLUE GAS DAMPER MIXING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/464,963 :05/05/2012 :U.S.A. :NA :NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A gas mixing device has a plurality of interleaved rows of adjustable louvers. When at least two flowing gas streams are received that are desired to be mixed, the louvers of each row directs the gas streams in a direction different from that of the adjacent rows, mixing the gas streams. When effectively only a single flowing gas stream is received, the louvers are positioned vertically thereby reducing the pressure drop across the gas mixing device.

No. of Pages: 16 No. of Claims: 19

(21) Application No.1432/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MACHINE BUCKET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E02F :13/485,587 :31/05/2012 :U.S.A. :NA :NA	
(87) International Publication No	: NA	2)FOLKERTS, JEREMY D.
(61) Patent of Addition to Application Number	:NA	3)MCCLALLEN, SAMUEL L.
Filing Date  (62) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A machine bucket may include a wrapper. The wrapper may form a portion of a receptacle for holding material. The wrapper may include a curved upper portion defining an arc. The curved upper portion may have a central angle value (au) of between approximately 109.5° and 110.5°. The wrapper may also include a curved lower portion defining an arc. The curved lower portion may have a central angle value (ad of between approximately 44.5° and 45.5°. Such a machine bucket finds particular utility collecting and transporting material that is adherent to itself and the surfaces of the bucket.

No. of Pages: 22 No. of Claims: 19

(21) Application No.1482/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD OF HARVESTING A RICE CROP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:CN201210422060.3 :29/10/2012 :China :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)Kou Sheng Feng Co., Ltd. Address of Applicant: No. 36, Chishin Road, Tongshiao, Miaole, Taiwan, R.O.C. Taiwan (72)Name of Inventor: 1)Chin-Piao HUANG 2)Yu-Ta HUANG 3)Yu-Feng HUANG
Filing Date	:NA	

### (57) Abstract:

A method of harvesting a rice crop in a field is disclosed, which comprises: (a) setting multiple cutter bars to different cutting elevations according to the rice crop; (b) cutting the rice crop simultaneously at different cutting elevations to form a cut panicle portion and at least one cut stem portion; (c) conveying the cut panicle portion to a threshing unit, at which the grain of the cut panicle portion can be separated from the rest of the cut panicle portion and then collected in a bag, whereas the rest of the cut panicle portion can be discarded into the field; and (d) discarding the cut stem portion into the field at the same time the cut panicle portion is being conveyed. With the method, the rice crop can be harvested more rapidly and more conveniently, so that the grain yields can be increased.

No. of Pages: 20 No. of Claims: 10

(22) Date of filing of Application :03/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR DETECTING STRONG AND/OR DISPLAYING A STATION NAME OF A RADIO TRANSMITTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04H :102012210313.9 :19/06/2012 :Germany :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 20 20, 70442  STUTTGART, GERMANY  (72)Name of Inventor:  1)TRAN, MANH-THANG
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### (57) Abstract:

In order to develop a method (300, 301, 302) for detecting, storing and/or displaying a station name of a currently tuned radio station from one of the transmitted RDS-signal in a radio receiver, particularly a mobile radio receiver, preferably a car radio, which in simple and direct manner allows a constant, continuous representation of the station name in the display unit of a radio and the stable structure of a station list stored in the radio, it is suggested that cyclically transmitted data sets having a predetermined number of characters are used for detecting the station name in the name segment of the program chain (N) of the R.DS signal, the cyclically transmitted data sets are subjected to a frequency examination and the data set recurrently occurring with the higher frequency is stored and/or displayed as a station name.

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

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HIGH EFFICIENCY ENERGY HARVESTER AND METHODS THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/554210 :20/07/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)LU, DAN THO 2)GILSTRAP, INGRID MARIE
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### (57) Abstract:

In one embodiment, a current transducer (30) is provided. The current transducer includes a magnetic core (32) configured to at least partially encircle a magnetic flux generated by a conductor (18). At least one coil (36) is coupled to the magnetic core and the magnetic core comprises a superm-alloy material.

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

(22) Date of filing of Application :10/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CATHETER WITH HELICAL END SECTION FOR VESSEL ABLATION

(51) International classification :A61B (31) Priority Document No :61/646,63 (32) Priority Date :14/05/20 (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 Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)BIOSENSE WEBSTER (ISRAEL), LTD  Address of Applicant: 4 HATNUFA STREET, YOKNEAM, ISRAEL 20692 Israel (72)Name of Inventor:  1)TINA CHAN  2)TOM A. DITTER  3)KRISTINE FUIMAONO  4)DEBBY GRUNEWALD  5)EDUARDO JIMENEZ 6)ROBERT W. PIKE  7)MICHAEL O. ZIRKLE
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### (57) Abstract:

A catheter includes an elongated body, a distal assembly with a shape-memory member defining a generally helical form, and a control handle. The control handle may be adapted to actuate a deflection puller wire for deflecting a portion of the elongated body and a contraction wire for contracting the generally helical form. The generally helical form carries irrigated ablation ring electrodes. A nitinol support member with shape memory extends through the distal assembly and into the elongated body to provide the helical form. The support member may have a varying stiffness along its length, for example, a decreasing stiffness toward a distal end of the support member. The support member can also be hollow so that it can receive a mandrel whose stiffness is greater than that of the support member.

No. of Pages: 67 No. of Claims: 33

(22) Date of filing of Application :29/03/2006 (43) Publication Date : 13/02/2015

# (54) Title of the invention: APPARATUS FOR RECTIFING ROUND PIPE AND TUBING

(51) International classification	:B21B 19/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)STAINLESS TUBE MILLS (AUST)PTYLTD
(32) Priority Date	:NA	Address of Applicant :130-140 MERRINDALE DRIVE
(33) Name of priority country	:NA	CROYDON SOUTH VICTORIA 3136 AUSTRALIA
(86) International Application No	:PCT/AU2004/000726	(72)Name of Inventor:
Filing Date	:23/06/2003	1)KASTROPIL ANTHONY
(87) International Publication No	:WO 2004/112978 A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Apparatus for reducing the diameter, rounding or straightening of pipe or tubing by rolling comprising a plurality of closely and equallyspaced, long, narrow, parallel-cylindrical rollers arranged in a parallelcylindrical array through which said pipe or tubing is passed at a constant linear speed, said rollers being skewed to displace their central contact zones radially inwards bringing them into forceful contact with UK-external surface of the said pipe or tubing, and being rotated to cause said central contact zones to describe continuous, parallel, overlapping, helical paths along the external surface of said pipe or tubing and thereby to progressively apply locally to the whole of the external surface of said pipe or tubing a compressive force in excess of the yield strength of this material, causing said pipe or tubing to adopt a set at a smaller diameter.

No. of Pages: 39 No. of Claims: 56

(22) Date of filing of Application :06/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : COMPACT AIR QUALITY CONTROL SYSTEM COMPARTMENT FOR ALUMINIUM PRODUCTION PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60H 1/00 :16/657,060 :08/06/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	
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### (57) Abstract:

Compact Air Quality Control System Compartment for Aluminium Production Plant A first contact reactor, mechanical separator device, one or more second contact reactors, silo, filter, one or more fans each equipped with one or more vibration dampers, an optional wet scrubber and stack are each integrated into a single compact air quaulity control system (AQCS) compartment. Additionally, a process gas cooling system may be integrated into the compact AQCS compartment. Benefits of the subject compact AQCS compartment includes footprint reduction, operating cost reduction from reduced pressure drop due to reduced ductwork, capital cost reduction from reduced ductwork, noise reduction, weather protection and increased adaptability to meet specific system requirements.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRONIC MESSAGING SYSTEM UTILIZING SOCIAL CLASSIFICATION RULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/593,409 :23/08/2012 :U.S.A. :NA :NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Techniques for identifying and organizing electronic messages are described. With some embodiments, a method receives a user interaction update from a messaging client associated with a first user. The user interaction update has data indicating that the first user interacted with an electronic message. The method may then determine that the first user is associated with a classification attribute that defines a relationship in a social network. Using the user interaction update, the a social classification rule corresponding to the classification attribute associated with the first user is then updated. The social classification rule may include data usable to organize a plurality of electronic messages. Finally, the method may optionally send the updated social classification rule to a messaging client associated with a second user, where the updated social classification rule can be used to organize electronic messages displayed by the messaging client associated with the second user.

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

(21) Application No.1559/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: LAMP HOUSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F21V :101209887 :24/05/2012 :Taiwan :NA	Address of Applicant :6F., No.602, Zhongzheng Rd., Zhongli City, Taoyuan County 32047, Taiwan, R.O.C. Taiwan <b>2)Justing Technology Pte. Ltd.</b>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	(72)Name of Inventor : 1)Chia-Ching SU
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The present invention discloses a lamp housing containing a housing base. An interior of the housing base is a holding space in a shape of a saddle, and a bottom of the holding space is a fixing portion. Two sides of the holding space, opposite to an upper side of the fixing portion, are extended into an inner wall at two sides of the holding space by proper depth, forming a latch portion on the inner walls at the two sides of the holding space. The fixing portion is used to dispose a light source module, and at least a positioning member is locked by each latch portion. The light source module is fixed on the fixing portion by the positioning member. By the present invention, flexibility of assembling LED elements can be increased and a fixing effect of the LED elements can be improved.

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

(22) Date of filing of Application :03/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DEBURRING TOOL FOR DEBURRING BORE MARGINS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) International Publication No (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) International Publication Number Filing Date (84) International Publication Number Filing Date (85) International Publication Number Filing Date (86) International Publication Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) International Publication Number Filing Date (80) International Publication Number Filing Date (81) International Publication Number Filing Date (81) International Publication Number Filing Date (82) International Publication Number Filing Date (83) International Publication Number Filing Date (84) International Publication Number Filing Date	(71)Name of Applicant:  1)ULF HEULE Address of Applicant: JACOB-SCHMID-HEINY-STR. 12, 9436 BALGACH, SWITZERLAND (72)Name of Inventor: 1)HEINRICH HEULE 2)HARRY STUDER
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### (57) Abstract:

Deburring blade for deburring bore margins with an even or uneven shape, having a base body (1) which is rotatably driven about its longitudinal axis, in which base body at least one bar blade (3) is held exchangeably in a spring-loaded, swivelably mounted blade holder (2) in the base body (1) in a radial bar blade bore (7) of the blade holder (2), and the blade holder (2) is designed as an approximately cylindrical body, which is mounted rotatably in a bearing bore (6) of the base body (1).

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

(12) TATENT ATTECATION TOBLICATION

(21) Application No.1667/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VEHICLE SUN VISOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B60J :2012-	(71)Name of Applicant:  1)KYOWA SANGYO CO., LTD.  Address of Applicant: 1, KOROMOGAHARA 3-CHOME,
(32) Priority Date	10=700	TOYOTA-SHI, AICHI 471-0856, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HARAGUCHI TAKASHI
Filing Date	:NA	
(87) 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 vehicle sun visor includes a sun visor main body to which functional members are attached, and that is able to be moved between a housed position along a wall surface in a vehicle cabin and an in-use position that is a position other than the housed position, and that has a first main surface and a second main surface. A plurality of protruding portions stand erect from the first main surface, and a top portion of each protruding portion forms at least a portion of the second main surface. The plurality of protruding portions and spaces formed between the plurality of protruding portions together constitute a slit structure portion.

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

(22) Date of filing of Application :07/06/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : HOLLOW GUIDE SHAFT BODY, AIR-JET SPINNING DEVICE, AND YARN WINDING MACHINE INCLUDING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:D01H4/00 :2012- 141181	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.  Address of Applicant: 3, MINAMI OCHIAI-CHO,
(32) Priority Date	:22/06/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)HIDESHIGE MORI
(87) 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 hollow guide shaft body around which fibers whirl by an action of a whirling airflow in an air-jet spinning device (5) and in which a fiber passage (39) is formed where the fibers pass after being twisted by the whirling airflow. The hollow guide shaft body (32) includes a base member (50) (stainless steel) having electrical 10 conductivity, and an upper layer (51) (DLC coating) provided on a surface of the base member (50), and being harder than the base member (50).

No. of Pages: 31 No. of Claims: 10

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DEHYDROGENATIVE SILYATION AND CROSSLINKING USINGCOBALT CATALYSTS

		(71)Name of Applicant:
		1)MOMENTIVE PERFORMANCE MATERIALS INC.
(51) International classification	:C07F15/00	Address of Applicant :260 HUDSON RIVER ROAD,
(31) Priority Document No	:61/683,882	WATERFORD, NEW YORK 12188, USA U.S.A.
(32) Priority Date	:16/08/2012	2)PRINCETON UNIVERSITY
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)CRISITA CARMEN HOJILLA ATIENZA
Filing Date	:NA	2)PAUL J. CHIRIK
(87) International Publication No	: NA	3)SUSAN NYE
(61) Patent of Addition to Application Number	:NA	4)KENRICK M. LEWIS
Filing Date	:NA	5)KEITH J. WELLER
(62) Divisional to Application Number	:NA	6)JULIE L BOYER
Filing Date	:NA	7)JOHANNES G.P. DELIS
-		8)AROOP ROY
		9)ERIC POHL

# (57) Abstract:

Disclosed herein are cobalt complexes containing terdentate pyridine di-imine ligands and their use as efficient and selective dehydrogenative silylation and crosslinking 5 catalysts.

No. of Pages: 61 No. of Claims: 66

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : POSITION POINTER OF THE ELECTROMAGNETIC INDUCTION TYPE AND ELECTRONIC INK CARTRIDGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:2012- 167827 :28/07/2012 :Japan :NA :NA	(71)Name of Applicant:  1)WACOM CO., LTD.  Address of Applicant: 2-510-1, TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN (72)Name of Inventor:  1)MASAYUKI OBATA
* *		I)MASAYUKI OBATA
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A position pointer is disclosed, in which an electronic ink cartridge of an electromagnetic induction type is accommodated. The electronic ink cartridge includes a resonance circuit having a coil and a capacitor circuit, and is configured to detect pressure applied to a core member accommodated in the position pointer based on a variation of a resonance frequency of the resonance circuit. The cartridge includes a tubular member, in which the core member and the coil are accommodated such that the coil is positioned between the core member, which extends outwardly from one end of the tubular member, and the capacitor circuit along a direction of a center axis of the tubular member. The cartridge also includes a connection member in the tubular member, which electrically connects a first end and a second end of the coil to a first terminal and a second terminal of the capacitor circuit, respectively. 74

No. of Pages: 90 No. of Claims: 16

(21) Application No.1727/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : WINDING TUBE, PACKAGES WOUND ON A TUBE AND METHOD FOR PRODUCING PACKAGES

(51) Intermedianal alexaidentian	.D.(51155/00	(71)N
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2012-	1)TMT MACHINERY, INC.
•	132156	Address of Applicant :6TH FI., OSAKA GREEN BLDG., 2-6-
(32) Priority Date	:11/06/2012	26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MASATO YAMAMOTO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An object is to provide a winding tube in which a yarn which is to be a tail yarn can be secured beforehand at winding start of a package when a plurality of packages are formed on the one winding tube by a winding device 18 of a false twisting machine. [Solution] A winding tube 19 is held by one cradle 20 provided in a yarn winding device 18 of a false twisting machine 1000. Onto the winding tube 19, a plurality of supplied yarns Ya and Yb are wound so as to form a plurality of packages P. In the winding tube 19, at a position between a pair of adjacent packages PI and P2 among the plurality of the packages P, a second capture part 192 is provided which captures a yarn winding start end YbS of at least one of the pair of the packages PI and P2.

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

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHODS AND SYSTEMS FOR TAXIWAY TRAFFIC ALERETING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:13/533494 :26/06/2012	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC., Address of Applicant:101 COLUMBIA ROAD, P.O. BOX 2245, MORISTOWN, NJ 07962-2245, USA U.S.A. (72)Name of Inventor: 1)TOMAS MARCZI
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA : NA : NA : NA : NA	2)J. HOWARD GLOVER 3)JAN BILEK 4)TOMAS KABRT

## (57) Abstract:

Systems and methods for providing the crew of an airplane or vehicle with a potential traffic-threat alert. When the alert is triggered is based on presumed flight-crew action and reaction times, ownship speed, and required distance to safely stop the ownship before intersection with traffic. An exemplary system 20 located aboard an ownship 18 includes a communication device 28 that receives information from a ground traffic; a memory device 30 that stores ownship information and predefined constants; and a processing device 24 that determines a distance to the traffic when the traffic passes the ownship after the ownship stops at an estimated full-stop location, based on the received ownship information and the predefined constants, determines distance to the ground traffic vehicle, based on the determined point in time, and generates a potential collision alert if the determined distance is less than a predefined safe distance value. An output device 32 outputs the generated potential collision alert.

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

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXTENDING DYNAMIC RANGE OF A DISPLAY.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/662,412 :21/06/2012 :U.S.A.	(71)Name of Applicant:  1)BAE STSTEMS INFORMATION & ELECTRONIC  SYSTEMS INTEGRATION INC.  Address of Applicant: P.O. BOX 868, NHQ1-719, NASHUA, NH 03061-0868, UNITED STATES OF AMERICA.  (72)Name of Inventor:  1)SAGAN, STEPHEN F.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for extending dynamic range of a display that can attenuate brightness to match scene brightness is disclosed. Standard RGB sub pixel filtering as well as neutral density sub pixel filtering is performed. The color addressability of the display is utilized to extend the dynamic range of the emitted energy by more than one order of 10 magnitude with the standard RGB sub pixel filtering. The standard filtering extends the dynamic range of the emitted energy by more than one order of magnitude, while the neutral density filtering extends the dynamic range of the emitted energy by two or more orders of magnitude.

No. of Pages: 18 No. of Claims: 10

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: COOLED BLADE FOR A GAS TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:F01D5/00 :12174622.6 :02/07/2012 :EPO :NA :NA	·
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)NAIK SHAILENDRA 3)SCHNIEDER MARTIN
Filing Date	:NA	S)SCHAEDER WARTHY
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a cooled blade (10) for a gas turbine, comprising a radially extending aerofoil (11) with a leading edge (15), a trailing edge (16), a suction side (17) and a pressure side (18), whereby a lip overhang is provided on the suction side of the trailing edge (16), further comprising a plurality of radial internal flow channels (19, 19a,b) connected via flow bends to form a multi-pass serpentine for a coolant flow, whereby a trailing edge ejection region (21) is provided for cooling said trailing edge (16), said trailing edge ejection region (21) comprising a trailing £ p edge passage of said multi-pass serpentine running essentially parallel to said trailing edge (15) and being connected over its entire length with a pressure side bleed (28). An optimized cooling is achieved by mainly determining the cooling flow from the trailing edge passage (19b) to the pressure side bleed (28) by means of a staggered field of pins, which is provided between said pressure side bleed (28) and said trailing edge passage (19b), with the lateral dimension of said pins increasing in coolant flow direction.

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

(21) Application No.1282/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: REFLUX STRUCTURE FOR BLOW-BY GAS

(51) International classification (31) Priority Document No	:F25J :2012- 112116	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, TAKATSUKA-CHO, MINAMI-
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:Japan :NA	KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 JP Japan (72)Name of Inventor:  1)TANAKA, KOICHI
Filing Date (87) International Publication No	:NA :NA : NA	1)TANAKA, KOICIII
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A reflux structure for blow-by gas that returns blow-by gas generated in an engine to a clean side of an air cleaner to reflux the blow-by gas to the engine, the reflux structure for blow-by gas includes: a communication pipe that has a flow path introducing the blow-by gas from the engine to the clean side of the air cleaner; and an air funnel that is mounted on the clean side of the air cleaner and introduces intake air from a dirty side into the engine, wherein the communication pipe has a discharge port formed to discharge the blow-by gas to a side closer to a bottom than to an umbrella part of the air funnel around the air funnel.

No. of Pages: 41 No. of Claims: 5

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BATTERY PACK MOUNTING STRUCTURE FOR ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:Japan	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, TAKATSUKA-CHO, MINAMI- KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 (JP) Japan (72)Name of Inventor:
(86) International Application No	:NA	1)NITAWAKI, KUNIHIRO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

There is provided a battery pack mounting structure for an electric vehicle. A battery pack is mounted in a space behind a rear seat of the electric vehicle. Battery modules are accommodated in the battery back are in a stacked state in a height direction of the electric vehicle. A floor panel behind the rear seat is formed with an opening into which an upper part of the battery pack is inserted. When seen from a side of the electric vehicle, a dimension of one battery module disposed at a position protruding upwards from the opening, is smaller in the longitudinal direction than that of another battery module disposed below the one battery module, and a front end portion of the one battery module is offset towards a rear side of the electric vehicle relative to that of the another battery module.

No. of Pages: 13 No. of Claims: 3

(22) Date of filing of Application :07/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR TREATING A SURFACE OF AN ELASTOMER PRODUCT

(31) Priority Document No  (32) Priority Date (33) Name of priority country (34) International Application No (54) International Publication No (54) International Publication No (54) Patent of Addition to Application Number (54) Filing Date (55) (77/2012) (55) (77/2012) (56) International Application No (57) International Publication No (58) International Publication No (50) Divisional to Application Number (51) Filing Date (52) Divisional to Application Number (53) Filing Date (54) INSEMPERIT AKTIENGESELLSCHAFT HOLDING (Address of Applicant :MODECENTERSTRAE 22 1031 (72) Name of Inventor: (73) Name of Inventor: (74) Name of Inventor: (75) Name of Inventor: (75) Name of Inventor: (76) Name of Inventor: (77) Name of Inventor: (78) Name of Inventor: (78) Name of Inventor: (	<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A 745/2012 :05/07/2012 :Austria :NA :NA : NA :NA :NA	Address of Applicant :MODECENTERSTRAE 22 1031 WIEN AUSTRIA [AT] Austria (72)Name of Inventor :
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### (57) Abstract:

The invention relates to a method for treating at least a surface of an at least partially cross-linked elastomer product by means of a halogen, with the halogen being electrochemically produced in-situ during the treatment. The invention furthermore relates to a system for performing the treating.

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

(21) Application No.1798/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : WIRELESS POWER TRANSFER DEVICE, DISPLAY SYSTEM USING THE SAME, AND WIRELESS POWER TRANSFER SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:2012- 138858 :20/06/2012 :Japan :NA :NA	(71)Name of Applicant: 1)HITACHI, LTD. Address of Applicant:6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO 100-8280, JAPAN (72)Name of Inventor: 1)TAKEI KEN
(87) 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:

Wireless Power Transfer Device, Display Systemusingthe Same, I and Wireless Power Transfer System The present invention realizes high-efficient power I 5 transmission in a non-contact remote manner. I In the present invention, using two antennas having a I pair of different feeding points, power transmission is performed by using a first polarized wave by a pair of first feeing points, a control signal is transmitted by using a 10 polarizedwave which is orthogonal to the firstpolarizedwave by a pair of second feeding points, and impedance of the two antennas is controlled by the control signal.

No. of Pages: 56 No. of Claims: 18

(22) Date of filing of Application :26/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FRONT STRUCTURE FOR SADDLE-RIDE TPYE VEHICLE

(51) International classification	:B62J1/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 213982	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	/	MINATO-KU, TOKYO 107-8556 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)RUI MAEDA
Filing Date	:NA	2)HIROYUKI SASAZAWA
(87) International Publication No	: NA	3)FUMA YAMATO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An object of the present invention is to provide a front structure for a saddle-ride type vehicle that has a left-right two-eye type headlight unit and a license plate stay attachment portion disposed below the headlight unit, and that can suppress a temperature rise at the lower portion of the headlight unit. [Solving Means] A front cowl 53 covering the periphery of a headlight unit 50 is provided in the front portion of a motorcycle. A license plate stay 90 extending toward the front of the vehicle and supporting a license plate 93 is installed. The headlight unit 50 has headlight bulbs 5IL, 5IR disposed right and left in the vehicle-width direction. The front cowl 53 has a bottom portion 66 covering the lower surfaces of the left and right headlight bulbs 5IL, 5IR. The bottom portion 66 is formed with a recess portion 80 hollowed upward so as to avoid the license plate stay 90.

No. of Pages: 42 No. of Claims: 6

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FEMORAL ORTHOPAEDIC SURGICAL INSTRUMENTS AND METHOD OF USE OF SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61B, A61F :61/653,359 :30/05/2012 :U.S.A. :NA :NA	(71)Name of Applicant: 1)DEPUY Address of Applicant:LOUGHBEG, RINGASKIDDY COUNTY CORK, IRELAND (72)Name of Inventor: 1)BENJAMIN J. SORDELET 2)CHAD E. DERF 3)REBECCA L. CHANEY
<u> </u>		· ·
(61) Patent of Addition to Application Number	:NA	4)CRAIG S. TSUKAYAMA
Filing Date	:NA	5)CARL F. LIVORSI
(62) Divisional to Application Number	:NA	6)PHILLIP G. WITHEE
Filing Date	:NA	

#### (57) Abstract:

An orthopaedic surgical instrument assembly includes a base block, an intramedullary orthopaedic surgical instrument configured to be inserted into a medullary canal of a patients femur, an adaptor, and a modular cutting block. The base cutting block includes a slot, and the adaptor is positioned in the slot. The adaptor includes a mounting bracket engaged with the base plate, and a fastener coupled to the intramedullary orthopaedic surgical instrument. The modular cutting block is configured to be secured to the base block.

No. of Pages: 104 No. of Claims: 20

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TIBIAL ORTHOPAEDIC SURGICAL INSTRUMENTS AND METHOD OF USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :61/653363 :30/05/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DEPUY (IRELAND)  Address of Applicant: LOUGHBEG, RINGASKIDDY, COUNTY CORK, IRELAND (72)Name of Inventor:  1)KYLE B. THOMAS  2)TODD KILPELA  3)STEVEN P. GOWERS  4)RAYN C. KEEFER  5)WILLIAM R. MACUMBER  6)JONATHAN C. LEE  7)LISA M. MAJOR
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#### (57) Abstract:

An orthopaedic surgical instrument assembly includes an attachment device, an intramedullary orthopaedic surgical instrument, and a cutting block. The attachment device includes a housing, a rail extending outwardly from the housing, and a mounting frame positioned on the rail that is configured to slide relative to the housing along the rail. The intramedullary orthopaedic surgical instrument is removably coupled to the housing, and the cutting block is removably coupled to the mounting frame.

No. of Pages: 105 No. of Claims: 20

(21) Application No.1718/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :07/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SHARPS COLLECTOR

(51) International classification  (31) Priority Document No  (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (83) International Publication No Filing Date (84) International Publication Number Filing Date (85) Divisional to Application Number Filing Date (86) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) International Publication Number Filing Date (80) International Publication Number Filing Date (81) International Classification Number Filing Date (81) International Classification Number Filing Date (82) International Classification Number Filing Date (83) Name of priority country (84) International Application No Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) International Publication Number Filing Date (80) International Publication Number Filing Date (81) International Publication Number Filing Date (81) International Publication Number Filing Date (82) International Publication Number Filing Date	Address of Applicant :ONE BECTON DRIVE, MAIL CODE 110 FRANKLIN LAKES NEW JERSEY 07417-1880 USA
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#### (57) Abstract:

A container for the disposal of medical waste. Particularly the container is used to dispose of contaminated medical equipment including sharps such as needles. The container provides safety features to prevent tampering and re-use.

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

(22) Date of filing of Application :07/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR DETERMINING LOCATION OF AN OBJECT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F7/00 :102012211197.2 :28/06/2012 :Germany	(71)Name of Applicant: 1)ROBERT BOSCH GMBH Address of Applicant: POSTFACH 30 02 20, 70442 STUTTGART, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KISS, ARPAD
(87) International Publication No	: NA	2)BAGI, ISTVAN
(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 relates to a method for determining location of an object (16) in a surrounding (20) of a motor vehicle, wherein an object (16) is detected by surrounding sensors (14), and wherein the two distances (ri, r2) are added together, and the result of addition of the two distances (n, T2) is associated with an elliptical coordinate on an ellipse map, and wherein the two distances (ri, xi) are subtracted, and the result of the magnitude of subtraction of the two distances is assigned to a hyperbolic coordinate on a hyperbolic map, and wherein the object (16) is assigned to elliptic and hyperbolic coordinates.

No. of Pages: 20 No. of Claims: 10

(21) Application No.1810/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND DEVICE FOR CONVEYING GOODS TO BE CONVEYED WITH A CELLULAR WHEEL SLUICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B65G53/00 :102012214185.5 :09/08/2012 :Germany :NA :NA : NA	(71)Name of Applicant: 1)KRONES AG Address of Applicant:BOHMERWALDSTRASSE 5 93073 NEUTRAUBLING GERMANY (72)Name of Inventor: 1)KIRCHHOFF, TIMM
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method and device for conveying goods to be conveyed with 8 cellular wlWl Sluice The invention comprises a method for conveying goodsto be conveyed (2) with a cellular wheel sluice (2), wherein in a housing (3), the goodsto be conveyed (2) are conveyed with rotor Of the rotating cellular wheel (4}, and sealing lips (6) of the rotor blades (5) abut agaiflst at least one sealing surface (7) of the housing (3), characterized in that during the transport of certain to be conveyed (2), such a sealing surface (7) and/or sealing lips (6) can be used which are formed from an abrasive material that is contained in the goods to be conveyed (2).

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

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR DISSIPATING HEAT IN AN ENCLOSURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application Number</li> </ul>	:13/562,336 :31/07/2012 :U.S.A. :NA :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor:  1)DE BOCK, HENDRIK PIETER JACOBUS 2)GROSS, JR., WILLIAM EARL
(61) Patent of Addition to Application Number	:NA	3)WHALEN, BRYAN PATRICK
Filing Date (62) Divisional to Application Number	:NA :NA	4)MEIER, ROBERT PAUL
Filing Date	:NA	

#### (57) Abstract:

An enclosure 102 is presented. The enclosure 102 includes an outer casing 106 having one or more walls 122, 124, 126, 128, 130. Further, the enclosure 102 includes a synthetic jet assembly 204 configured to dissipate heat from the one or more walls 122, 124, 126, 128, 130, where the synthetic jet assembly 204 includes a bracket 210 operatively coupled to the one or more walls 122, 124, 126, 128, 130 of the outer casing 106 and two or more synthetic jets 206 operatively coupled to the bracket 210, where the two or more synthetic jets 206 are arranged in a multi-dimensional array.

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

(22) Date of filing of Application :21/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD OF SELECTING AN ALGORITHM FOR USE IN PROCESSING HYPERSEPCTRAL DATA

(51) International classification	:G01J	(71)Name of Applicant :
(31) Priority Document No	:13/588,579	1)GE AVIATION SYSTEMS LLC
(32) Priority Date	:17/08/2012	Address of Applicant :3290 PATTERSON AVENUE, SE
(33) Name of priority country	:U.S.A.	GRAND RAPIDS, MICHIGAN 49512-1991, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)OCCHIPINTI, BENJAMIN THOMAS
(87) International Publication No	: NA	2)BUEHLER, ERIC DANIEL
(61) Patent of Addition to Application Number	:NA	3)KUCZYNSKI, KONRAD ROBERT
Filing Date	:NA	4)KELLY, RICHARD SHAWN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a method of selecting an algorithm for use in processing hyperspectral data from a set of algorithms, each having qualities for processing certain characteristics of hyperspectral data.

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

(22) Date of filing of Application :29/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: RAIN GUAGE WITH AUTOMATIC PRIMING SIPHON

(86) International Application No Filing Date  (87) International Publication No (86) Patent of Addition to Application Number Filing Date  (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) International Publication No (81) Patent of Addition to Application Number (81) Patent of Addition to Application Number (82) Divisional to Application Number (83) Name of Inventor:  1) GOMEZ CARRIO, CARLOS  1) GOMEZ CARRIO, CARLOS  1) STAIN (72) Name of Inventor:  1) STAIN (72) Name of Inventor:  1) STAIN (72) Name of Inventor:  1) GOMEZ CARRIO, CARLOS  1) STAIN (72) Name of Inventor:  1) STAIN (73) Name of Inventor:  1) STAIN (73) Name of Inventor:  1) STAIN (74) Name of Inventor:  1) STAIN (75) Name of Inventor:  1) STAIN (76) Name of Inventor:  1) STAIN (77) Name of Inventor:	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	Address of Applicant :C/ALEJANDRO RODRIGUEZ 22-24, C.P. 28039, SPAIN (72)Name of Inventor :
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#### (57) Abstract:

Which uses the principle of indirect measurement of the rainfall by determination of its weight, for which it has a base (I)on, which rests on a load cell (3) bearing a container (2) which receives the rainwater via a mouth (4). The emptying of the container (2) is assured periodically by means of a siphon (7), with the container (2) presenting a variable section with a minimum at the height of the bend of the siphon (7). In this way the priming time of the siphon (7) is radically reduced without affecting its discharge time. In addition, the bottom of the container (2) presents a reduction in section, and attached to it is a damper (6) which directly receives the rainwater channelled via the mouth (4). In this way the precision and security of functioning of the siphon (7) are furthermore increased.

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

(22) Date of filing of Application :29/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHODS AND APPARATUS TO EVALUATE MODEL STABILITY AND FIT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A63H :61/670,418 :11/07/2012	Address of Applicant :150 NORTH MARTINGALE ROAD,
(33) Name of priority country	:U.S.A.	SCHAUMBURG, ILLINOIS 60173 USA U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)NATHAN W. BRIXIUS
(87) International Publication No	: NA	2)VINCENT E. POORTINGA
(61) Patent of Addition to Application Number	:NA	3)ROSS LINK
Filing Date	:NA	4)PETER BURKE
(62) Divisional to Application Number	:NA	5)SHWETA SHAH
Filing Date	:NA	

#### (57) Abstract:

Methods, apparatus, systems and articles of manufacture are disclosed to evaluate model stability and fit. An example method disclosed herein includes building a fit function based on causal factors associated with a marketing mix model, building a stability function based on override factors associated with corresponding ones of the causal factors, and integrating scaling factors into the stability function to facilitate a combined regression analysis of the fit function and the stability function, the scaling factors respectively associated with corresponding causal factors.

No. of Pages: 41 No. of Claims: 26

(21) Application No.1673/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :04/06/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention: INCUBATOR

(51) International classification	:A01K	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)I.P. CO., LTD.
(31) I Hority Document No	131438	Address of Applicant :485 YANO, KOKUFU-CHO,
(32) Priority Date	:09/06/2012	TOKUSHIMA-SHI, TOKUSHIMA, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YASUYUKI HOSOI
Filing Date	:NA	2)AKIRA KATAOKA
(87) International Publication No	: NA	3)YOSHIKI MATSUNAGA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An incubator according to the present invention includes a casing 5, a plurality of rack units 30, an air-blower 10, and partition panels 40. The plurality 5 of rack units include a plurality of trays 33 for holding eggs, and are arranged in the casing 5. The air-blower is arranged on an air-flowing path 6 that is interposed between the plurality of rack units 30. The partition panel are arranged at the boundaries between the rack units 30 and the air-flowing path 6, and face the air-blower 10 side surfaces of the rack units 30 so that air currents 10 that are produced by the air-blower 10 do not flow into/from the rack units 30 through the air-blower-side surfaces of the rack units.

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

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SURGICAL INSTRUMENT AND METHOD OF DISASSEMBLING A TIBIAL PROSTHESIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B17/00 :13/538,617 :29/06/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	
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#### (57) Abstract:

An orthopaedic surgical instrument includes an anchor configured to be coupled to a prosthetic tibial component, a shaft coupled to the anchor, and a separator coupled to the shaft. The separator is configured to move along the shaft between a first position in which the separator is spaced apart from the prosthetic tibial component and a second position in which the separator is positioned between the tibial tray and the sleeve of the prosthetic tibial component.

No. of Pages: 44 No. of Claims: 20

(21) Application No.1744/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONNECTING STRUCTURE OF SOLAR. CELL MODULES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H01L31/00 :13/831,097 :14/03/2012 :U.S.A. :NA	Address of Applicant :428-5, GONGSE-DONG, GIHEUNG-GU, YONGIN-SI, GYEONGGI-DO, REPUBLIC OF KOREA (72)Name of Inventor:
Filing Date	:NA	1)NAM-KYU SONG
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)JONG-HWAN KIM 3)YONG-HEE PARK
Filing Date	:NA	4)JUNE-HYUK JUNG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A solar cell array includes a number of solar cell modules, each of the solar cell modules including a frame having a first side extending along a first direction, and a first insertion hole is formed in the first side and extending along the first direction. The solar cell array also includes a connecting structure extending along a second direction perpendicular to the first direction for connecting two adjacent modules of the solar cell 10 modules, and the connecting structure includes a first coupling portion and a second coupling portion respectively received in the first insertion holes of the two adjacent modules, wherein each of the first insertion holes has a guide portion and an insertion portion, the guide portion bending from the insertion portion to guide the first coupling portion and the second coupling portion into the respective guide portions.

No. of Pages: 35 No. of Claims: 28

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FLOCCULANT MIXTURE AND FLOCCULATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C02F :2012145018 :28/06/2012 :Japan :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION  Address of Applicant: 1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN (72)Name of Inventor:  1)KOHEI SHIMIZU  2)YUKIKO TASHIRO  3)YASUHITO INAGAKI
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#### (57) Abstract:

A flocculant mixture includes a polymer flocculant and a plant-derived water-soluble viscous substance. I The polymer flocculant is formed of an anionic polymer i 5 flocculant and/or a nonionic polymer flocculant. A value of (VCo/VCi) is less than 15, where VCo is viscosity obtained when 0.5% by mass-of the polymer flocculant is dissolved in water having electric conductivity of not more than 200 uS/cm, and VCi is 10 viscosity obtained when 0.5% by mass of the polymer flocculant is dissolved in water having electric conductivity of not more than 200 uS/cm and 2% by mass of sodium nitrate is dissolved therein.

No. of Pages: 29 No. of Claims: 11

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ROTOR ASSEMBLY FOR AN AIRCRAFT CAPABLE OF HOVERING AND EQUIPPED WITH AN IMPROVED CONSTRAINT ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B64D33/00 :12173958.5 :27/06/2012 :EPO :NA :NA : NA :NA	,
(62) Divisional to Application Number	:NA	
Filing Date	:NA :NA	

#### (57) Abstract:

A constraint assembly (40) for an aircraft (1), having a first member (8); a second member (20) mounted to translate along and rotate about its own axis (A); and connecting means (39) for connecting the first and 10 second member (8, 20), to prevent rotation of the second member (20) about the axis (A) with respect to the first member (8); the connecting means (39) having a retaining arm (41), which projects outwards from one (20) of the first and second member (8, 20), and 15 extends at a distance of other than zero from the axis | (A); and an antirotation bracket (42), which projects from the other (8) of the first and second member (8, 20), extends at a distance of other than zero from the axis (A), and defines a through opening (43) engaged 20 in sliding manner by the retaining arm (41).

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DATA PROCESSING APPARATUS, POS SYSTEM AND CONTROL METHOD OF THE POS SYSTEM

#### (57) Abstract:

A data processing apparatus includes a first interface to which a device which reads data is connected, a second interface to which a terminal apparatus is connected, an identification information transmission unit that transmits identification information to the terminal apparatus, and a 10 control unit that when the data read by the device is input to the first interface, determines an association of the device and the terminal apparatus based on a correspondence of the read data and the identification information transmitted to the terminal apparatus.

No. of Pages: 72 No. of Claims: 17

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HAND PIECE WITH ADJUSTABLE UTILITY CONDUIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/541,210 :03/07/2012	
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#### (57) Abstract:

An electrosurgical instrument that reduces the amount of fatigue experienced by a physician performing electrosurgery includes a hand piece with a utility conduit connected to the hand piece at a central portion of the hand piece. The utility conduit can include an electrical cable and a smokelfluid evacuation hose. The hand piece can include a channel system that receives a portion of the utility conduit therein and allows a physician to adjust the location on the hand piece at which the utility conduit exits the hand piece. Adjusting the location on the hand piece at which the utility conduit exits the hand piece can reduce the resistance to the movement of the electrosurgical instrument created by the weight of the utility conduit, which leads to less fatigue in a physicians hand during electrosurgery.

No. of Pages: 62 No. of Claims: 29

(21) Application No.1746/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A METHOD AND SYSTEM FOR TIMETABLE OPTIMIZATION UTILIZING ENERGY CONSUMPTION FACTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/669,230 :09/07/2012 :U.S.A. :NA :NA : NA : NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems (100, 200, 300, and 400) and method (800) for synchronizing two or more railway assets to optimize energy consumption. Embodiments of the present invention provide receipt of a timetable (1 10) associated with two or more vehicles (150) and at least one terminal. The timetable (1 10) can be modified to create a modified timetable that overlaps a brake time for a first vehicle and an acceleration time for a second vehicle, wherein at least one of a departure time or a dwell time is modified. Furthermore, the second vehicle can transfer energy from the first vehicle e based upon at least one of the modified timetable and the brake time overlapping with the acceleration time.

No. of Pages: 63 No. of Claims: 20

(21) Application No.1790/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR JET SPINNING MACHINE AND METHOD OF OPERATION THEREOF

(51) International classification	:D01H4/00	(71)Name of Applicant:
(31) Priority Document No	:10 2012	1)MASCHINENFABRIK RIETER AG
(31) I Hority Document No	105 320.0	Address of Applicant :KLOSTERSTRASSE 20, 8406
(32) Priority Date	:19/06/2012	WINTERTHUR, SWITZERLAND
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)ADALBERT STEPHAN
Filing Date	:NA	2)GERD STAHLECKER
(87) International Publication No	: NA	3)GERNOT SCHAFFLER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Air iet spinning machine and method of oerationth ereof The invention relates to a method of operation for an air jet spinning machine, which is characterized in that the spinning process is interrupted when a yarn fault (18) is detected, and subsequent to the interruption of the spinning process a piecing process is initiated which is at least partly carried out by the spinning station (2) and in which a number of yarn process and handling devices directly assigned to the spinning station (2) are applied. Furthermore, an air jet spinning machine is proposed which permits such a piecing method.

No. of Pages: 66 No. of Claims: 19

(21) Application No.1791/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : APPARATUS FOR MANUFACTURING A FLANGED COMPOSITE COMPONENT AND METHODS OF MANUFACTURING THE SAME

( <del>-1</del> )	74 (P 7 (0 0	
(51) International classification	:F16B5/00	(71)Name of Applicant :
(31) Priority Document No	:13/542,237	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:05/07/2012	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK 12345, USA. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KIRKPATRICK, BOWDEN
(87) International Publication No	: NA	2)VERMILYEA, MARK ERNEST
(61) Patent of Addition to Application Number	:NA	3)LAMM, DERRICK WAYNE
Filing Date	:NA	4)BRAMELL, MELISSA ANN MARIE
(62) Divisional to Application Number	:NA	5)CALLAHAN, DAVID LOUIS
Filing Date	:NA	6)SEABREASE, JASON MICHAEL

#### (57) Abstract:

A composite component (12) is provided. The composite component includes a first composite material (86), a composite structure (90) coupled to the first composite material, and a second composite material (88) coupled to the composite structure, the second composite material including a first flange (1 8) integrally coupled to the composite structure and is positioned substantially orthogonal with respect to the composite structure, the first flange including an interface having a bend radius that is less than about 10 inches.

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

(19) INDIA

(22) Date of filing of Application :26/06/2013

(21) Application No.1895/DEL/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: SIDE AIRBAG

(51) International classification	:B60R21/207, B60R21/239	(71)Name of Applicant: 1)HYUNDAI MOTOR COMPANY
(31) Priority Document No	:10-2012- 0129853	Address of Applicant :231, YANGJAE-DONG, SEOCHO- KU, SEOUL 137-938, REPUBLIC OF KOREA
(32) Priority Date	:16/11/2012	(72)Name of Inventor:
(33) Name of priority country	:Republic of Korea	1)CHOI JAE HO
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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) A1		

#### (57) Abstract:

A side airbag including: an inflator that ejects gas and is provided at a side of seat; a cushion that is deployed when receiving the gas from the inflator; a diaphragm that divides the cushion into an upper chamber and a lower chamber by partitioning the inside of the cushion along a first axis; a diffuser that supplies the gas ejected from the inflator to the upper chamber and the lower chamber separately; and a blocking portion which divides the upper chamber into a rear portion and a front portion by partitioning the inside of the cushion along a second axis, the blocking portion includes a plurality of communication portions formed there-through, wherein through each of the plurality of communication portions gas is communicated, and wherein the rear portion receives the gas from the inflator and the front portion receives the gas from the rear portion, whereby the rear portion and the front portion are inflated in sequence in the upper chamber when the cushion is deployed.

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: STATIC VANE ASSEMBLY FOR AN AXIAL FLOW TURBINE

(51) International classification	:F01D5/00	(71)Name of Applicant:
(31) Priority Document No	:12176005.2	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:11/07/2012	Address of Applicant :BROWN BOVERI STRASSE 7, CH-
(33) Name of priority country	:EPO	5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MEGERLE BENJAMIN
(87) International Publication No	: NA	2)MCBEAN IVAN WILLIAM
(61) Patent of Addition to Application Number	:NA	3)RICE TIMOTHY STEPHEN
Filing Date	:NA	4)HAVAKECHIAN SAID
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An axial flow turbine is described having a casing defining a flow path for a working fluid therein, a rotor co -axial to the casing, a plurality of stages, each including a stationary row of vanes circumferentially mounted on the casing a rotating row blades, circumferentially mounted on the rotor, with within a stage n vanes have an extension such that at least a part of the trailing edge of each of the n vanes reaches into the annular space defined by the trailing edges of the remaining N-n vanes and the leading edges of rotating blades of the same stage.

No. of Pages: 15 No. of Claims: 5

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ULTRASONIC WEDGE AND METHOD FOR DETERMINING THE SPEED OF SOUND IN SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N29/00 :13/552,208 :18/07/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)General Electric Company Address of Applicant: 1 River Road, Schenectady, New York 12345, U.S.A U.S.A. (72)Name of Inventor: 1)AO, Xiaolei Shirley 2)MA, Yue 3)DORIA, Shawn Li
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#### (57) Abstract:

A wedge and a method for determining the speed of sound in the wedge is disclosed. The wedge includes a reflecting wall and is configured such that a portion of the main ultrasonic signal transmitted by an ultrasonic transducer is reflected and travels through the wedge back to the ultrasonic transducer. The speed of sound can be determined based on the distance traveled by, and the time of flight of, the main ultrasonic signal and reflected ultrasonic signal in the wedge.

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

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AIR CONDITIONING APPARATUS FOR VEHICLES

(31) Priority Document No :10-2 01270	Address of Applicant :231, YANGIAE-DONG, SEOCHO- 1/2012 ublic orea  Address of Applicant :231, YANGIAE-DONG, SEOCHO- KU, SEOUL 137-938, REPUBLIC OF KOREA  2)KIA MOTORS CORP.  3)HALLA VISTEON CLIMATE CONTROL CORP.  (72)Name of Inventor:  1)KIM MYUNG HOE
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#### (57) Abstract:

An air conditioning apparatus includes an air 5 conditioning housing and a mode door. The air conditioning housing has a discharge chamber through which conditioned air is discharged out of the air conditioning housing. The discharge chamber incldes a defrost vent, a main vent, floor vents and a rear seat vent. The floor vents are formed on 10 opposite sides of a rear portion of the air conditioning housing. The rear seat vent is formed between the floor vents. The mode door has a front opening hole which is formed in a front portion of the mode door, a pair of main opening holes which are formed in a rear portion of the mode door at 15 positions spaced apart from each other, and a rear-end opening hole which is formed behind a first portion provided between the main opening holes. 31

No. of Pages: 49 No. of Claims: 17

(22) Date of filing of Application :04/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PROCESS FOR PREPARING 5-(3,6-DIHYDRO-2,6-DIOXO-4-TRIFLUOROMETHYL-1(2H)-PYRIMIDINYL)PHENYLTHIOL COMPOUNDS

## (57) Abstract:

Abstract of the Disclosure Provided is a method of directly preparing 5-(3,6-dihydro-2,6-dioxo-4-trifluoromethyl-1(2H)-pyrimidinyl)phenylthiol compounds in a single reactor.

No. of Pages: 19 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :04/07/2013

(21) Application No.2003/DEL/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: FOLDING TOP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :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)FROESCHLE, MATTHIAS 2)CZECHTIZKY, TIMO
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#### (57) Abstract:

The folding top is designed as what is referred to as a double I buttress folding top and has rear-side tensioning bows which have two rearwardly directed sections which are bent approximately in a U-shaped manner and are connected to each other via a central bow section. The tensioning bow sections are intended to tension the folding top cloth in the region of the buttresses. The folding top cloth is fastened to the tensioning bow. The tensioning bow bears from below against a folding top compartment cover and against edges of lateral body cutouts. The folding top compartment cover therefore has two lateral cutouts which, in the open position of the folding top, are closed by lateral flaps. The tensioning bow is of U-shaped design and, above a rear window, has a bow web to which the rear window is coupled in a hinged or pivotable manner.

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

(21) Application No.2004/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FOLDING TOP FOR A MOTOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA	Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor :
Filing Date (87) International Publication No (61) Patent of Addition to Application Number		1)FROESCHLE, MATHIAS 2)CZECHTIZKY, TIMO
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The folding top comprises a folding-top cloth which has fins which are directed toward a rear cover and which are arranged on the rear cover in a closed position of the folding top. The fins of the folding-top cloth are in each case arranged so as to be pivotable about an axis of rotation via a laterally arranged fin link on the folding-top frame, and the foldingtop cloth can be moved from a braced position into an open position, and vice versa, by means of an adjusting device between the rear cover and the fin link.

No. of Pages: 11 No. of Claims: 6

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHOD TO REDUCE TOWER OSCILLATIONS IN A WIND TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/538161 :29/06/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)AGARWAL, PRANAV 2)MEHENDALE, CHARUDATTA SUBHASH 3)KOERBER, ARNE
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#### (57) Abstract:

Systems and methods to reduce tower oscillations 114 in a wind turbine 100 are presented. The method includes obtaining a rotor velocity. Furthermore, the method includes obtaining one or more parameters associated with a tower 102 of the wind turbine 100. Further, the method includes determining a modified rotor velocity based on the one or more parameters. Moreover, the method includes determining a first pitch angle based on the modified rotor a velocity. In addition, the method includes pitching one or more blades 106 of the wind turbine 100 based on the first pitch angle to reduce the tower oscillations 114.

No. of Pages: 37 No. of Claims: 11

(21) Application No.1737/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ITO FILM, ITO POWDER USED IN MANUFACTURING SAME ITO FILM, MANUFACTURING METHOD OF ITO POWDER, AND MANUFACTURING METHOD OF ITO FILM

(51) International classification	:G02F1/00	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)MITSUBISHI MATERIALS CORPORATION
(32) Priority Date	132483	Address of Applicant :3-2, OTEMACHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YONEZAWA, TAKEHIRO
Filing Date	:NA	2)YAMASAKI, KAZUHIKO
(87) International Publication No	: NA	3)TAKENOSHITA, AI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An ITO film having a band gap in a range of 4.0 eV to 4.5 eV.

No. of Pages: 29 No. of Claims: 8

(21) Application No.1829/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: MEASURING SYSTEM AND MEASURING METHOD FOR A ROAD CONSTRUCTION MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:12 005 607.2	(71)Name of Applicant:  1)Joseph Vgele AG  Address of Applicant: Joseph-Vgele-Strae 1, 67067  Ludwigshafen/Rhein, Germany (72)Name of Inventor:  1)Achim EUL
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#### (57) Abstract:

Measuring system and measuring method for a road construction machine The invention relates to a measuring system (1) for a road construction machine comprising a control unit (2) which is operationally connected using a field bus (6) to at least one field device (3, 4, 5), where an exclusive bus address is respectively assignable in said measuring system (1) for each field device (3, 4, 5) connected in said fieldbus (6). Furthermore, the invention relates to a method for addressing at least one field device (3, 4, 5)

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: A METHOD FOR MEASURING GEOMETRY DEFORMATIONS OF A TURBINE COMPONENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F01D5/00 :61/664,877 :27/06/2012 :U.S.A. :NA	Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLNAD (72)Name of Inventor :
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)SLOWIK, SLAWOMIR 2)TSCHARNER, THOMAS 3)BEDNARZ, PIOTR 4)PRUGAREWICZ, MICHAL TOMASZ

#### (57) Abstract:

The invention relates to a method for measuring geometry deformations of a turbine component (14), especially of a rotor groove or blade root, the method comprising the steps of: providing the turbine component (14), or rotor groove or blade root, respectively, with at least one measuring mark (20); using the at least one measuring mark (20) as a reference point in determining, in a first measurement, a length (L1, L2) on said turbine component (14) or rotor groove or blade root, respectively, prior to the turbine being placed into service; operating the turbine for a period of time; determining, in a second measurement, said length (L1, L2) on said turbine component (14) or rotor groove or blade root, respectively, using again said at least one measuring mark (20) as a reference point, after said operating period; and comparing the measured lengths (L1, L2) of said first and second the second measurement; and A determining an amount of creep deformation in said turbine component (14) or rotor groove or blade root, respectively, based on a difference between said measured lengths.

No. of Pages: 14 No. of Claims: 9

(22) Date of filing of Application :06/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHODS FOR DISPLAYING ON A GRAPHICAL USER INTERFACE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G06F3/00 :13/585,984 :15/08/2012 :U.S.A. :NA	,
Filing Date	:NA	1)BUEHLER, Eric Daniel
(87) International Publication No	: NA	2)OCCHIPINTI, Benjamin Thomas
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods of displaying multiple sources of information in a graphical user interface (40) on a display (22) include separately displaying at least some of the multiple sources of information within graphical user interface components (42) within the graphical user interface (40). All of the graphical user interface components (42) within the graphical user interface (40) are displayed including a focus graphical user interface (50).

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

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PAPER SHEET PROCESSING APPARATUS

(51) International classification	:B65H	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)GLORY LTD.
(31) I Hority Document ivo	123600	Address of Applicant :3-1, SHIMOTENO 1-CHOME,
(32) Priority Date	:30/05/2012	HIMEJI-SHI, HYOGO-KEN, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TOSHIO NUMATA
Filing Date	:NA	2)MASAKAZU MIWA
(87) International Publication No	: NA	3)TATSUYA SUGANO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A paper sheet processing apparatus comprises a taking-in unit 10 configured to take therein paper sheets one by one, a transport unit 70 configured to transport the paper sheets taken in by the taking-in unit and a storing unit 60a to 60d configured to store a plurality of paper sheets transported by the transport unit 70. The paper sheet processing apparatus further comprises a control unit 50 configured to control the transport unit 70 so as to transport into the storing unit 60a to 60d the paper sheets of a first category determined based on the face/back or the orientation of each of the paper sheet, and to transport into the storing unit the paper sheets of a second category determined based on the face/back or the orientation of each of the paper sheets when the number of the paper sheets of the first category stored in the storing unit reaches a predetermined number.

No. of Pages: 47 No. of Claims: 11

(21) Application No.1739/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD OF SUPPRESSING DUST IN PILES AND RAILCARS USING PLASTICIZED CELLULOSE ETHERS

(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date  13/495,256 13/BENE 13/06/2012 Addres AURORA (72)Name 1)ANDR	ne of Applicant: NETECH, INC. ress of Applicant: 2245 SEQUOIA DRIVE, SUITE 300, A, ILLINOIS 60506, USA U.S.A. ne of Inventor: DREW R. WOLFF CHAEL T.SUCH
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#### (57) Abstract:

A dust preventing crust on an exposed surface of a mass of a dusting material is formed from a dried liquid solution of anon-ionic cellulose ether, a surfactant, and water. The strength of the crust is increased by adding a plasticizer to the liquid solution prior to drying the liquid solution on the mass of dusting material. The strength of the dust preventing crust is increased over a strength of a dust preventing crust produced from drying a fluid solution comprising the non-ionic cellulose ether, the surfactant and water prior to adding the plasticizer.

No. of Pages: 24 No. of Claims: 26

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR DISPLAYING A USER ENTERED FLIGHT PATH

Filing Date  (87) International Publication No  (87) International Publication No  (61) Patent of Addition to Application Number  Filing Date  (88) International Publication No  (89) International Publication No  (80) Patent of Addition to Application Number  Filing Date  (80) International Application No  (81) NA  (82) SUGIMOTO, PHILIP DEWING  (83) CONRARDY, PETER JACOB  (84) NA  (85) International Application No  (87) NA  (88) NA  (89) NA  (80) Patent of Addition to Application Number  (80) NA  (81) NA  (81) NA  (82) NA  (83) CONRARDY, PETER JACOB  (84) NA  (85) NA  (86) NA  (87)	<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:13/558,587 :26/07/2012 :U.S.A. :NA :NA :NA :NA :NA	Address of Applicant :3290 PATTERSON AVENUE, SE, GRAND RAPIDS, MICHIGAN 49512-1991, U.S.A. U.S.A. (72)Name of Inventor:  1)KOLBE, DASHIELL MATTHEWS  2)SUGIMOTO, PHILIP DEWING
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#### (57) Abstract:

A method for selecting and displaying a flight path for an aircraft on a display of a flight deck of the aircraft that allows a user to input a selected flight path on a map displayed on the display. A final flight path will be displayed on the display of the flight deck that is based on the input of the selected flight path.

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

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DIAGNOSTIC SYSTEM AND METHOD FOR OBTAINING AN ULTRASOUND IMAGE FRAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/533712 :26/06/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor: 1)STUEBE, SUSAN MARTIGNETTI 2)EISENHUT, DANIEL LEE
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#### (57) Abstract:

An ultrasound diagnostic system is provided that includes an ultrasound imaging device having an ultrasound probe that is configured to provide an ultrasound image of the heart during an ultrasound imaging session. The diagnostic system also includes a user interface including an operator display that is configured to concurrently display a reference image frame and the ultrasound image of the ultrasound imaging session. The user interface is configured to receive operator inputs to adjust a view of the heart in the ultrasound image and acquire a set of image frames of the heart. The diagnostic system also includes a cardiac analyzer that is configured to automatically identify a measurement frame from the set of image frames. The measurement frame includes the heart at a designated orientation and at a designated cardiac condition.

No. of Pages: 53 No. of Claims: 20

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AXIAL SWIRLER FOR A GAS TURBINE BURNER

(51) International classification	:F23R3/00	(71)Name of Applicant:
(31) Priority Document No	:12175697.7	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:10/07/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)BIAGIOLI, FERNANDO
Filing Date	:NA	2)ALURI, NARESH
(87) International Publication No	: NA	3)POYYAPAKKAM, MADHAVAN NARASIMHAN
(61) Patent of Addition to Application Number	:NA	4)CERNY, JAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7		

#### (57) Abstract:

An axial swirler (14b) for a gas turbine burner comprises a vane ring with a plurality of swirler vanes (19b) circumferentially distributed around a swirler axis (11), each of said swirler vanes (19b) comprising a trailing edge (22) In order to achieve a controlled distribution of the exit flow velocity profile and/or the fuel equivalence ratio in the radial direction, said trailing edge (22) is discontinuous with the trailing edge (22) having a discontinuity at a predetermined radius.

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

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: LIGHTING CONTROL DEVICE FOR SADDLE-RIDE-TYPE VEHICLE

(71) I	D(001/00	(71)N
(51) International classification	-	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
(31) Thomas Boument 110	218373	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:28/09/2012	MINATO-KU, TOKYO, 107-8556 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKASHI TETSUKA
Filing Date	:NA	2)AKIHIKO YAMASHITA
(87) International Publication No	: NA	3)YOSHIAKI TAKEUCHI
(61) Patent of Addition to Application Number	:NA	4)YOSUKE TSUCHIYA
Filing Date	:NA	5)TSUYOSHI OGUCHI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a lighting control device for a saddle- 5 ride-type vehicle which can prevent erroneous lighting of a lamp due to the influence of a leakage current and noises. [Means for Resolution] A lighting control device 10 for a saddle-ride-type vehicle includes: a blinker switch 12 and the like for 10 turning on a lamp 16; an intermittent power source applying means 32 which intermittently applies a fixed voltage to the blinker switch 12 and the like; and a control unit 34 which determines whether or not the blinker switch 12 and the like are operated based on a voltage outputted from the 15 blinker switch 12 and the like, wherein the intermittent power source applying means 32 generates a voltage having a particular pattern waveform for discriminating the presence or the non-presence of a leakage current, and applies the voltage to the blinker switch 12 and the like. 20

No. of Pages: 39 No. of Claims: 4

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DIFFERENTIAL PROTECTION IN ELECTRICAL POWER NETWORKS

(32) Priority Date :29/06 (33) Name of priority country :U.K. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA	4387.6 1)ABB TECHNOLOGY AG 6/2012 Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050
Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	

### (57) Abstract:

A method in a three-terminal differential protection comprises measuring a terminal phase current (IjXy), Zreoo. Zr3(y))at e a c n terminal (T1, T2, T3) of a protected zone of the differential protection in each phase (L1, L2, L3) to be protected and determining a bias current (/,(y)) of the phase on the basis of the terminal phase currents (/j-i(y), Lr2(y), Zr3(y))- The bias current determination comprises subtracting phasor values of the terminal phase currents of two terminals from the phasor value of the terminal phase current of one terminal. The terminal phase current being a minuend in the phasor difference computation is selected on the basis of the phase angles or amplitudes of the terminal phase currents.

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

(21) Application No.1907/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD OF DISPLAYING A FLIGHT PLAN

(86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (88) International Application No Filing Date  (89) International Publication No Filing Date  (80) International Publication No Filing Date  (81) Patent of Addition to Application Number Filing Date  (82) Divisional to Application Number Filing Date  (83) Name of Inventor:  (72) Name of Inventor:  (73) Name of Inventor:  (74) Name of Inventor:  (75) Name of Inventor:  (72) Name of Inventor:  (72) Name of Inventor:  (73) Name of Inventor:  (74) Name of Inventor:  (75) Name of Inventor:  (76) Name of Inventor:  (78) Name of Inventor:  (78) Name of Inventor:  (79) Name of Inventor:  (79) Name of Inventor:  (70) Name of Inventor:	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:13/558599 :26/07/2012 :U.S.A. :NA :NA : NA :NA :NA	GRAND RAPIDS, MICHIGAN 49512-1991, U.S.A. U.S.A. (72)Name of Inventor:  1)KOLBE, DASHIELL MATTHEWS  2)LOYAL, BRIAN JACOB  3)SUGIMOTO, PHILIP DEWING
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# (57) Abstract:

A method of displaying a flight plan on a flight display of a flight deck of an aircraft, where the method includes displaying at least a portion of the flight plan on the display and determining an unsuitability of at least a portion of the flight plan based on at least one suitability criteria.

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE TO BALANCE ROTOR WITHOUT BREAKING VACUUM

(31) Priority Document No (32) Priority Date (33) Name of priority country (34) International Application No (55) International Publication No (56) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Address of Applicant: BROWN BOVERI STRASSE 7, (5400 BADEN, SWITZERLAND (72) Name of Inventor: (73) Name of Inventor: (74) Name of Inventor: (75) Name of Inventor: (76) Divisional to Application Number (77) Name of Inventor: (78) Name of Inventor: (79) Name of Invent	<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:1256562 :06/07/2012 :France :NA :NA : NA :NA :NA	Address of Applicant :BROWN BOVERI STRASSE 7, CF 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)LAMAQUE JEROME	[-
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### (57) Abstract:

The present invention relates to a device for inserting a balancing weight into a rotor (43) of a turbine (4), comprising an external component (12), an internal component (11) which is connected in a helical manner to the external component (12), the internal component (11) delimiting a chamber (5) which has a first and a second opening (51, 52) and comprising a lower surface (53) which is provided with a sealing joint (54), and a cap (3) in order to close in a tight manner the first opening (51) of the chamber (5). The connection between the external component (12) and the internal component (12) is helical, that is to say, the result of a threading operation. Therefore, the internal component (11) can thus move in a coaxial manner with respect to the external component (12).

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

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NON-DESTRUCTIVE EVALUATION METHODS FOR MACHINE-RIVETED BEARINGS

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number  SU.S.A. (12245, MORRISTOWN, NEW JERSEY 0/962-2245, USA U.S.A. (72)Name of Inventor:  1)SURENDRA SINGH  2)ERIC BRIDGES  3)ANTHONY RESTIVO  SINA SINA  1)SURENDRA SINGH  2)ERIC BRIDGES  3)ANTHONY RESTIVO	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:13/551,065 :17/07/2012 :U.S.A. :NA :NA :NA :NA :NA	Address of Applicant :101 COLUMBIA ROAD,, P.O BOX 2245, MORRISTOWN, NEW JERSEY 07962-2245, USA U.S.A. (72)Name of Inventor: 1)SURENDRA SINGH 2)ERIC BRIDGES
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### (57) Abstract:

The disclosed embodiments generally relate to non-destructive evaluation methods. In an embodiment, a method for non-destructive evaluation of a machine-riveted bearing includes positioning a first plurality of sensors in the region of interest, the first plurality of acoustic sensors being provided in a phased array, positioning a second plurality of sensors in the region of interest, the second plurality of sensors being provided in a phased array, inducing a vibration in the region of interest using the first plurality of sensors and receiving a resonance frequency spectra using the second plurality of sensors, and comparing the received resonance frequency spectra against a reference spectra to determine the presence of an anomaly in the region of interest.

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

(22) Date of filing of Application :06/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR OPTIMIZING THE EFFICIENCY OF WIND TURBINE BLADES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F03D3/00 :ES201200642 :15/06/2012	(71)Name of Applicant:  1)GAMESA INNOVATION & TECHNOLOGY, S.L. Address of Applicant: AVENIDA CIUDAD DE LA
(33) Name of priority country	:Spain	INNOVACION, 9-11, 31621 SARRIGUREN (NAVARRA),
(86) International Application No	:NA	SPAIN
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SORONDO ZABALA, ESTIIBALIZ
(61) Patent of Addition to Application Number	:NA	2)ERAUZQUIN BILBAO, MIREN ESTIIBALIZ
Filing Date	:NA	3)CARRETERO VILLANUEVA, JOSE LUIS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Method for protecting the surface of wind turbine blades manufactured with composites so as to furnish them with a finish resistant to normally-encountered external agents, namely rain, ice and grime from atmospheric pollution; and comprising one step for surface preparation as well as two steps for primer application and a second coating having a specified thickness.

No. of Pages: 15 No. of Claims: 9

(21) Application No.1741/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: COMPOSITIONS FOR DETECTING FOODSTUFF SPOILAGE MICROOGANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/555,399 :23/06/2012 :U.S.A. :NA :NA : NA : NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

The invention provides nucleic acids, collections of nucleic acids, assay kits, and methods for the sensitive and specific detection of microorganisms in a foodstuff. The nucleic acid consists of a nucleotide sequence selected from the group consisting of SEQ ID NOs: 1-45.

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

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONSTRAINED MOBILE BEARING HIP ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61F2/00 :13/529021 :21/06/2012 :U.S.A. :NA	(71)Name of Applicant:  1)DEPUY SYNTHES PRODUCTS, LLC Address of Applicant: 325 PARAMOUNT DRIVE, RAYNHAM, MA 02767-0350, U.S.A. U.S.A. (72)Name of Inventor: 1)JUSTIN D. GROSTEFON
(87) International Publication No	: NA	2)MATTHEW T. BLOCK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An acetabular hip implant includes an acetabular shell component having a first feature and a first insert having a second feature that cooperates with the first feature of the acetabular shell component and further includes a third feature. The implant further includes a second insert having a fourth feature that cooperates with the third feature of the first insert and further includes a fifth feature. A femoral head component includes a sixth feature that cooperates with the fifth feature. Interaction between the first and . . . . second features, between the third and fourth features, and between the fifth and sixth features mechanically constrains the acetabular hip implant to prevent dislocation of the femoral head during rotation.

No. of Pages: 38 No. of Claims: 24

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PLATE FOR HEAT EXCHANGER, HEAT EXCHANGER AND AIR COLLER COMPRISING A HEAT EXCHANGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F28F3/00 :12175135.8 :05/07/2012 :U.K. :NA	Address of Applicant :HANOGATAN 5, SE-211 24 MALMO, SWEDEN (72)Name of Inventor :
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	1)SVEN PERSSON 2)MARCELLO MASGRAU
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a plate (1) for a heat exchanger for heat exchange between a first and a second medium, wherein the plate has a first side (A) and an opposing second side (B), wherein said first side (A) is configured with at least one heat transferring elevation (2) and with at least one heat transfer surface (4) surrounding said elevation, wherein dimples (5; 7) are provided at either or both of the heat transferring elevation (2) and the heat transfer surface (4) to permit provision of a through-flow duct (X) for the first medium, and wherein said second side (B) is configured with at least one heat transferring depression (3) corresponding to said elevation, said depression being configured to define a part of a through-flow duct (Y) for the second medium, and with at I least one bonding surface (6) corresponding to said heat transfer surface and surrounding I said depression. The present invention also relates to a heat exchanger comprising a stack of the above-mentioned plates and to an air cooler comprising such a heat exchanger.

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

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: LIFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01L13/00 :202012008218.3 :28/08/2012 :Germany :NA :NA : NA : NA :NA :NA	(71)Name of Applicant:  1)GEDA - DECHENTREITER GMBH & CO. KG Address of Applicant :METINGER STR. 60, 86663 ASBACH - BAUMENHEIM, GERMANY (72)Name of Inventor:  1)MR. FLORIAN SCHWEGLER
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(21) Application No.2069/DEL/2013 A

### (57) Abstract:

The invention relates to a lift with a guideway, a lift car guided on the guideway, a cable running along the guideway to the lift car which is guided over a cable trolley with a deflection apparatus which follows a movement of the lift car, characterised in that the cable trolley is not positioned below the lift car when the lift car is located in a ground station of the lift.

No. of Pages: 18 No. of Claims: 8

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONSTRUCTION MACHINE WITH SENSOR UNIT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G02F1/00 :12005820.1 :10/08/2012 :EPO :NA	, 1
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA :NA : NA :NA :NA	1)Achim EUL 2)Jens HERRMANN
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Construction machine with sensor unit The invention relates to a construction machine (1) with at least one sensor unit (9) which can assume different measuring states and at least one operating device (2, 7) spatially separated therefrom, with which a measuring state of the sensor unit (9) is controllable,. The invention is characterized in that additional controls (13) are arranged at the sensor unit (9) and the measuring state of the sensor unit (9) is controllable by both the at least one operating device (2, 7) as well as by the controls (13) at the at least one sensor unit (9). The invention also relates to a method for controlling at least one sensor unit (9), which can assume different measuring states, on a construction machine (1). The method is characterized in that the measuring state of the at least one sensor unit (9) is controlled both by at least one operating device (2, 7) spatially separated from it, and by controls (13) attached to the sensor unit (9) itself.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR DISPLAYING SUITABILITY OF FUTURE WAYPOINT LOCATION

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	13/558589 26/07/2012 U.S.A.	(71)Name of Applicant:  1)GE AVIATION SYSTEMS LLC Address of Applicant: 3290 PATTERSON AVENUE, SE, GRAND RAPIDS, MICHIGAN 49512-1991, USA U.S.A. (72)Name of Inventor: 1)KOLBE, DASHIELL MATTHEWS 2)SUGIMOTO, PHILIP DEWING 3)CONRARDY, PETER JACOB
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# (57) Abstract:

A method for illustrating an aircraft flight plan comprising at least one waypoint on a flight display of a flight deck of an aircraft, where the method may include displaying on the flight display of the flight deck some type of display indicia that indicates the suitability of locations for future waypoints.

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

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention : INFORMATION PROCESSING DEVICE, CONTROL METHOD OF AN INFORMATION PROCESSING DEVICE, AND STORAGE MEDIUM STORING A PROGRAM EXECUTED BY A CONTROL UNIT OF THE INFORMATION PROCESSING DEVICE

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SEIKO EPSON CORPORATION
	197265	Address of Applicant :4-1, NISHI-SHINJUKU 2-CHOME,
(32) Priority Date	:07/09/2012	CHINJUKU-KU, TOKYO 163-0811, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASADA, KENJI
Filing Date	:NA	
(87) 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:

When a recording device that records according to a template is replaced with a new recording device, the new recording device can also record according to the template of the replaced recording device. A template terminal can connect to a first printer storing a first template database related to a first template and records according to the first template. A control unit acquires the first template database from the first printer, processes the first template database according to a difference in the structure of the first printer and a second printer that records according to a second template, and generates a second template database related to a second template stored in the second printer.

No. of Pages: 33 No. of Claims: 11

(21) Application No.2022/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AXIALLY DAMPED HYDRAULIC MOUNT ASSEMBLY

Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	(61) Patent of Addition to Application Number Filing Date	:13/603,524 :05/09/2012 :U.S.A. :NA :NA : NA : NA :NA	Address of Applicant :39550 ORCHARD HILL PLACE DRIVE, NOVI, MI 48375, USA U.S.A. (72)Name of Inventor:  1)JEFFERY MICHAEL BRADSHAW
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### (57) Abstract:

An example mount assembly includes a first chamber, at least partially defined by a first elastomeric element and a second chamber, at least partially defined by a second elastomeric element. The assembly also includes an inertia track having a central opening defining an axis. The inertia track defines a serpentine passage in fluid communication with the first chamber and the second chamber. The inertia track is moveable along the axis relative to the first elastomeric element and the second elastomeric element.

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

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VOLTAGE SOURCE CONVERTER AND MEHTOD FOR CONTROLLING THE CONVERTER

(51) International classification	:F02B37/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI LTD.
(31) I Hority Document No	155209	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:11/07/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMAMOTO TAKAYOSHI
Filing Date	:NA	2)ICHINOSE MASAYA
(87) International Publication No	: NA	3)BANDO AKIRA
(61) Patent of Addition to Application Number	:NA	4)INOUE SHIGENORI
Filing Date	:NA	5)YOSHIHARA TORU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A control apparatus for use with a voltage source converter (102) includes legs (104) each of which is configured by a plurality of converter modules (108) each having capacitors (203). Each of the legs has a first terminal on a positive side and a second terminal on a negative side. The control apparatus is operative to create command pulses for operating the converter modules to operate the converter modules. The command pulses have a frequency that is a non-integral multiple of a frequency of a system voltage (VGR, VGS, VGT). The non-integral multiple is 3.5, for example.

No. of Pages: 30 No. of Claims: 15

(21) Application No.1937/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SEALING MECHANISM FOR EXPANDABLE VASCULAR DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F2/00 :61/666,858 :30/06/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	
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### (57) Abstract:

A stent-graft device for repairing aneurysms and or providing a fluid conduit in the body is disclosed. In particular the stent-graft device has primary and secondary sealing mechanisms that provide flow diversion at the sealing neck of an aneurysm repair device.

No. of Pages: 37 No. of Claims: 14

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ARRANGEMENT HAVING A SPRING PLATE FOR SUPPORTING AT LEAST ONE RETURN SPRING.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F01L1/00 :102012211529.3 :03/07/2012	(71)Name of Applicant:  1)SCHAEFFLER TECHNOLOGIES AG & CO. KG Address of Applicant: INDUSTRIESTRAE 1-3 91074
(33) Name of priority country	:Germany	HERZOGENAURACH (DE) Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)STEFAN DORN
(87) International Publication No	: NA	2)NORBERT GEYER
(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 arrangement having a spring plate for supporting at least one return spring for the stem (1) of a pump plunger or of a gas exchange valve of a combustion engine, which stem can be actuated to perform a lifting motion by a tappet, wherein the tappet has a housing (2) for guidance in a component at least partially surrounding the latter and the spring plate is arranged at least partially in the housing (2) characterized in that the spring plate has radially on the outside, a guide section (3, 13) projecting in the manner of a pot for guidance on the housing (2).

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

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : CONTROL SYSTEM AND METHOD FOR MITIGATING ROTOR IMBALANCE ON A WIND TURBINE

(51) International classification :F03D(31) Priority Document No :20121 (32) Priority Date :02/08 (33) Name of priority country :China (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	0273836.X   Address of Applicant :1 River Road, Schenectady, New York 12345, U.S.A U.S.A. (72)Name of Inventor:
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### (57) Abstract:

A wind turbine includes multiple blades, multiple Micro Inertial Measurement Units (MIMUs) for sensing parameter signals of the blades, and a control system. The control system includes a blade bending moment calculation unit, a blade bending moment error signal calculation unit, and a pitch angle compensation command calculation unit. The blade bending moment calculation unit is used for calculating blade bending moment values of the blades based at least on the sensed parameters. The blade bending moment error signal calculation unit is used for calculating blade bending moment error signals of the blades based on the calculated blade bending moment values of the blades and multiple blade bending moment commands. The pitch angle compensation command calculation unit is used for calculating pitch angle compensation commands of the blades based on the calculated blade bending moment error signals to adjust pitch angles of the blades respectively.

No. of Pages: 32 No. of Claims: 20

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : POSITION INDICATOR OF ELECTROMAGNETIC INDUCTION SYSTEM AND ELECTRONIC INK CARTRIDGE

(51) International classification	:G01D :2012-	(71)Name of Applicant:
(31) Priority Document No	202085	1)WACOM CO., LTD. Address of Applicant :2-510-1 TOYONODAI, KAZO-SHI,
(32) Priority Date	:13/09/2012	SAITAMA 349-1148, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASAYUKI OBATA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An electronic ink cartridge includes, in a direction of a central axis within a cylindrical body, a core body extended out from a distal end of the cylindrical body, a coupling member disposed on a side of a proximal end of the cylindrical Jjody, a coil housed between the core body and the coupling member and having a predetermined inductance, and a pressure sensitive element whose capacitance changes according to pressure applied to the core body. Two terminals of the coil are electrically connected respectively to two terminals of the pressure sensitive element to thereby form two terminals of a resonance circuit formed by the coil and the pressure sensitive element. A connecting terminal electrically connected to at least one of the two terminals of the resonance circuit is disposed on a proximal end surface side of the coupling member to be accessible thereon from outside.

No. of Pages: 84 No. of Claims: 17

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: OVERLOAD SLIP MECHANISM FOR THE YAW DRIVE ASSEMBLY OF A WIND TURBINE

### (57) Abstract:

A yaw drive assembly for a wind turbine has a releasable and re-engageable coupling operably configured between a drive gear that engages with a yaw bearing and the output of a gear assembly that is coupled to a drive motor. The coupling maintains a rotational drive engagement between the gear assembly output and drive gear up to a defined rotational torque, wherein the coupling disengages the gear assembly output from the drive gear. The coupling re-engages the gear assembly output to the drive gear upon the rotational torque decreasing to below the defined rotational torque.

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

(22) Date of filing of Application :28/03/2006 (43) Publication Date : 13/02/2015

# (54) Title of the invention: 3,6-DISUBSTITUTED AZABICYCLO [3.1.0] HEXANE DERIVATIVES USEFUL AS MUSCARINIC RECEPTOR ANTAGONISTS.

		(71)Name of Applicant :
(51) International classification	:A61K	1)RANBAXY LABORATORIES LIMITED
(31) Priority Document No	:NA	Address of Applicant :HEAD OFFICE AT 12th FLOOR,
(32) Priority Date	:NA	DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019,
(33) Name of priority country	:NA	INDIA. Delhi India
(86) International Application No	:PCT/IB2002/002663	(72)Name of Inventor :
Filing Date	:08/07/2002	1)MOHAMMAD SALMAN
(87) International Publication No	:NA	2)NARESH KUMAR
(61) Patent of Addition to Application		3)KIRANDEEP KAUR
Number	:01/01/1900	4)SHELLY AERON,
Filed on	.01/01/1900	5)PAKALA KUMARA SAVITHRU SARAMA
(62) Divisional to Application Number	:NA	6)SHANKARANARAYANAN DHARAMARAJAN
Filing Date	:NA	7)ANITA MAEHTA
_		8)ANITA CHUGH

## (57) Abstract:

The present invention generally relates to muscarinic receptor antagonists, which are useful, among other uses, for the treatment of various diseases of the respiratory, urinary and gastrointestinal systems mediated through muscarinic receptors. The invention also relates to the process for the preparation of disclosed compounds, pharmaceutical compositions containing the disclosed compounds, and the methods for treating diseases mediated through muscarinic receptors.

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

(21) Application No.1731/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : STORAGE STRUCTURE OF PORTABLE INFORMATION TERMINAL FOR SADDLE-RIDE TYPE VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:2012- 209648 :24/09/2012 :Japan	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME,  MINATO-KU, TOKYO 107-8556, JAPAN  (72)Name of Inventor:
(32) Priority Date		,
(33) Name of priority country		(72)Name of Inventor:
(86) International Application No	:NA	1)MICHIO ATSUCHI
Filing Date	:NA	2)SHUJIRO INUI
(87) 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 dispose a portable information terminal in the periphery of a meter in a storage structure of a portable information i terminal for a saddle-ride type vehicle. I [Constitution] I In a storage structure of a portable information terminal I for a saddle-ride type vehicle including a head pipe, a front I cover that covers the head pipe, a meter panel 22 formed on the upper face of the front cover with the meter being disposed thereon, a steering shaft 14 journaled to the head pipe, a handlebar 15 attached to the upper end of the steering shaft 14 through an insertion port section 40 arranged in the meter panel 22, and a handlebar cover 34 covering the insertion port section 40 from the above and attached to the handlebar 15, the handlebar cover 34 includes a storage section 61 opening upward with the portable information terminal S being stored therein.

No. of Pages: 41 No. of Claims: 7

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LATERAL FLOW ASSAY DEVICES FOR USE IN CLINICAL DIAGNOSTIC APPARATUS AND CONFIGURATION OF CLINICAL DIAGNOSTIC APPARATUS FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/00 :61/658,698 :12/06/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	Address of Applicant : 100 INDIGO CREEK DRIVE
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### (57) Abstract:

A lateral flow device for use in a mainframe or point-of-care clinical analyzer, in which the lateral flow device includes a planar support having at least one sample addition area and at least one reaction area disposed thereon. The sample addition i area and reaction area are fluidly interconnected to one another and form at least one lateral fluid flow path. The lateral flow device is sized for retention within a storage cartridge of the analyzer defined by a hollow interior and having a plurality of lateral flow assay devices retained in stacked relation therein.

No. of Pages: 64 No. of Claims: 65

(21) Application No.2085/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PANORAMIC LASER WARNING RECEIVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:61/670740 :12/07/2012 :U.S.A.	(71)Name of Applicant:  1)BAE SYSTEMS INFORMATION & ELECTRONIC  SYSTEMS INTEGRATION INC.  Address of Applicant: P.O. BOX 868, NHQ1-719, NASHUA, NH 03061-0868, USA U.S.A.  (72)Name of Inventor:  1)MCNEISH, ALLISTER
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and apparatus of detecting laser in a laser warning receiver is disclosed. A panoramic lens assembly utilized in cameras is combined with a laser detection focal plane. Incident laser light is refracted in the panoramic lens and made to illuminate a multiplicity of individual sensor elements. By determining the corresponding intensity of the laser light on the sensors, the angle of arrival resolutions superior to the element angular resolutions can be achieved. The combination of a panoramic lens with a laser detection focal plane provides a low cost laser warning for wrap around ground based situational awareness.

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

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRONIC DEVICE AND CONTROL METHOD OF AN ELECTRONIC DEVICE

(51) International classification	:G09G	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)SEIKO EPSON CORPORATION
(31) I Hority Document No	188402	Address of Applicant :4-1, NISHI-SHINJUKU 2 - CHOME,
(32) Priority Date	:29/08/2012	SHINJUKU-KU, TOKYO 163 - 0811, JAPAN,
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKEHANA, TAKASHI
Filing Date	:NA	
(87) 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:

Anelectronic devicehas a conveyanceunit that conveys aprocess medium through a conveyance path; a print unit that prints on the process medium; an image scanning unit that reads an image from the process medium; and a control unit that changes between a printing control command set and an image scanning control command set, controls the print unit and the image scanning unit, and controls the conveyance unit to execute a discharge process to discharge the processmedium, basedonareceivedcommand. The control unit executes the discharge process when changing from the image scanning control command set to the printing control command set, and omits the process medium discharge process when changing from the printing control command set to the image scanning control command set.

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

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: COSMETIC PACKAGE CONTAINER

\	1)Chia-Meng SUNG Address of Applicant :No. 295, Yixin St., East Dist., Taichung City 401, Taiwan. (72)Name of Inventor : 1)Chia-Meng SUNG
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### (57) Abstract:

The present invention is related to a cosmetic package container, in particular, to a three-piece assembly of a cosmetic package container in a hollow spherical shape, comprising a cap unit and a base unit respectively of a semi-spherical hollow shape assembled in a top-down manner together with as a central ring unit having a net structure and attached to an opening of the base unit. A paste of cosmetic material is filled into the container via a filling perforation at the bottom portion of the base unit. The outer surface of the central ring unit is provided with threads for parts of the container to be fastened with ease to form a complete assembly of the container. The cap and base units are of a double-layered structure formed of different materials such that the outer appearance of the container can be of various decorative designs and is practical to use.

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

(21) Application No.1998/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: BURNER ARRANGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:12175614.2 :10/07/2012 :EPO	Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BERNERO STEFANO
(87) International Publication No	: NA	2)PASQUALOTTO ENNIO
(61) Patent of Addition to Application Number	:NA	3)FREITAG EWALD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention refers to burner arrangement for producing hot gases (8) to be expanded in a gas turbine, comprising a burner inside a plenum (1), said burner has means for fuel injection (5), means for air supply (6) and means for generating an ignitable fuel/air mixture inside the burner, and a combustion chamber (7) following downstream said burner having an outlet being fluidly connected to the gas turbine. W The invention is characterized in that the means for air supply (6) comprise at least two separate flow passages (14,15), and that the one of the two flow passages is fed by a first supply pressure (pi) and the other flow passage is fed by a second supply pressure (p2).

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: GAS TURBINE COMBUSTION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F23R3/00 :12175593.8 :09/07/2012	<i>'</i>
(33) Name of priority country	:EPO	5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GENIN, FRANKLIN MARIE
(87) International Publication No	: NA	2)ALURI, NARESH
(61) Patent of Addition to Application Number	:NA	3)CERNY, JAN
Filing Date	:NA	4)EROGLU, ADNAN
(62) Divisional to Application Number	:NA	5)PASQUALOTTO, ENNIO
Filing Date	:NA	

### (57) Abstract:

The invention concerns a gas turbine combustion system, wherein the gas turbine comprises at least one compressor, at least one combustion chamber for generating working gas, wherein the combustion chamber connected to receive compressed air from the compressor, at least one turbine connected to receive working gas from the combustion chamber. The combustion chamber consists of an individual can-combustor or comprising a number of can-combustors arranged in an annular can-architecture, wherein the can-combustor having at least one premixed burner. The ignition of the mixture starts at the premixed burner outlet and the flame is stabilized in the region of the premixed burner outlet by means of a backflow zone. The cancombustor comprising a number of premixed burners arranged uniformly or divided at least in two groups within the can-combustor.

No. of Pages: 30 No. of Claims: 13

(21) Application No.2088/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ALLOY, CORRESPONDING PART AND MANUFACTURING METHOD

(51) International classification	:C22C38/00	(71)Name of Applicant :
(31) Priority Document No	:1257099	1)FERRY CAPITAIN
(32) Priority Date	:23/07/2012	Address of Applicant :BUSSY 52300 VECQUEVILLE,
(33) Name of priority country	:France	FRANCE
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRUNIER, JEAN-BAPTISTE
(87) 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 spheroidal graphite cast iron alloy comprises, in % by weight, in addition to addition elements, the following elements: - Ni between 3.5% and 7%, . - Cu between 0.5% and 3%, - Mo between 0.15% and 1 %, - the remainder being iron and inevitable impurities. Application to the manufacturing of cogwheels and gear rims. Cast parts cooled in the mold and heat-treated

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

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: REMOVABLE ROOF FOR A MOTOR VEHICLE, AND MOTOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B60J7/00 :102012106968.9 :31/07/2012 :Germany :NA	Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor :
Filing Date	:NA	1)SCHULZ, LARS
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A removable roof for a motor vehicle, wherein the roof is divided in the longitudinal direction of the motor vehicle so as to form two roof elements (11, 12). Seal profiles (22, 28, 29) are integrated into a first roof element (12) at two edges (15, 16) running in the longitudinal direction of the motor vehicle and into a second roof element (11) at an edge (13) running in the longitudinal direction of the motor vehicle so as to firstly provide sealing of the roof elements (11, 12) with respect to side windows and secondly provide sealing of the roof elements (11, 12) with respect to one another. The same seal profiles (23, 30) are integrated into the first roof element (12) and into the second roof element (11) in each case at an edge (17, 19) running transversely with respect to the longitudinal direction of the motor vehicle.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: STAND-BY OPERATION OF A GAS TURBINE

(51) International classification	:F02C9/00	(71)Name of Applicant:
(31) Priority Document No	:12004854.1	1)ALSTOM TECHNOLOGY LTD.
(32) Priority Date	:28/06/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)DOBBELING KLAUS
Filing Date	:NA	2)ZAJADATZ MARTIN
(87) International Publication No	: NA	3)RUETER ANDREAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (57) Abstract:

The invention relates a method for operating a power plant with a single shaft gas turbine (6), in which the gas turbine (6) is operated at a constant speed which is below the speed at which the gas turbine (6) is turning when the first generator (25) is synchronized to an electric grid (39). The proposed method ensures good stable combustion with low emissions, a high turbine exhaust temperature, and minimized fuel consumption. Besides the method, a power plant comprising a single shaft gas turbine (6) designed and configured to carry out such a method is an object of the invention.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COOLING SYSTEM AND METHOD FOR AN AXIAL FLOW TURBINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F01D5/00 :12174115.1 :28/06/2012	Address of Applicant :BROWN BOVERI STRASSE 7, CH-
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:EPO :NA	5400 BADEN, SWITZERLAND (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)MEGERLE, BENJAMIN 2)HAVAKECHIAN, SAID
(61) Patent of Addition to Application Number	:NA :NA	3)MOKULYS, THOMAS
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

An axial flow turbine is described having a casing defining a flow path for a working fluid therein, a rotor co -axial to the casing, a plurality of stages, each including a stationary row of vanes circumferentially mounted on the casing a rotating row of blades, circumferentially mounted on the rotor, with an inner face of the casing exposed to the working fluid having one or more essentially circumferential grooves of increasing depth each ending in an extraction port with a bore.

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

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TIN-PLATED COPPER-ALLOY MATERIAL FOR TERMINAL AND METHOD FOR PRODUCING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C22C9/00 :2012- 148575 :02/07/2012 :Japan :NA :NA	(71)Name of Applicant:  1)MITSUBISHI MATERIALS CORPORATION Address of Applicant: 3-2, OTEMACHI 1-CHOME, CHIYODA-KU, TOKYO 1008117, JAPAN (72)Name of Inventor: 1)YUKI, TANINOUCHI 2)NAOKI, KATO
(87) International Publication No	: NA	3)KENJI, KUBOTA
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

Tin-plated copper-alloy material for terminal in which: a CuSn alloy layerla NiSn alloy layerla Ni or Ni alloy layer are formed between a Sn-based surface layer and a substrate made of Cu or Cu alloy; the CuSn alloy layer is a compound-alloy layer containing Cu6Sns as a major proportion and a part of Cu in the Cu6Sns is displaced by Ni; the NiSn alloy layer is a compound-alloy layer containing Ni3Sn4 as a major proportion and a part of Ni in the Ni3Sn4 0 is displaced by Cu; an average interval S of point peaks of the CuSn alloy layer is not less than 0.8 pm and not more than 2.0 pn; an average thickness of the Sn-based surface layer is not less than 0.2 pm and not more than 0.6 pm; an exposed-area rate of the CuSn alloy layer exposed at a surface of the Sn-based surface layer is not less than 1% and not more than 40%; an average of equivalent-circle diameter of the exposed portions of the CuSn alloy layer exposed at the surface of the Sn-based surface layer is not less than 0.1 pm and not more than 1.5 pm; and dynamic friction coefficient is not more than 0.3.

No. of Pages: 35 No. of Claims: 3

(21) Application No.2090/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: STOWABLE ROOF ARRANGEMENT IN A MOTOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B60J7/00 :102012106973.5 :31/07/2012 :Germany :NA	Address of Applicant :PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY (72)Name of Inventor :
Filing Date	:NA	1)SCHULZKI, MARKUS
(87) 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 roof arrangement (3) in a motor vehicle, wherein the roof arrangement (3) is stowable and, in a closed position, extends between an upper windshield cowl and a fixed rollover hoop (6), and the roof arrangement (3) has a roof frame (4) which is movably articulated, via a linkage (11, 13). According to the invention, seals (17) run on both sides of the roof frame (4), which seals form seal strands in the closed position of the roof arrangement, wherein the respective seal (17) is divided into three over its length. A front portion (18) of the seal (17) is fastened to the roof frame (4) arranged at the front, a middle portion (19) of the seal (17) is fastened to a link (11) of the linkage (11, 13) and a rear portion (20) of the seal (17) is fastened to a rear surface bow (5).

No. of Pages: 14 No. of Claims: 9

(21) Application No.1625/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD FOR PREPARING COMPOSITE GRANULE COMPRISING LOW-SUBSTITUTED HYDROXYPROPYL CELLULOSE AND RAPID RELEASE PREPARATION

(51) International algorification	. A 61V	(71)Nome of Applicant
(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SHIN-ETSU CHEMICAL CO., LTD.
(31) Thomas Document No	135714	Address of Applicant :6-1, Otemachi 2-chome, Chiyoda-ku,
(32) Priority Date	:15/06/2012	Tokyo, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MARUYAMA, Naosuke
Filing Date	:NA	2)HIRAMA, Yasuyuki
(87) 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 base material for dry direct tableting, the material being excellent in a binding property and disintegrability. More specifically, provided is a method of preparing a composite granule comprising at least a step of granulating a second sugar or sugar alcohol while adding thereto an aqueous dispersion comprising at least low-substituted hydroxypropyl cellulose having a degree of hydroxypropoxy substitution of 5 to 16% by weight, polyvinyl alcohol, a first sugar or sugar alcohol, and water.

No. of Pages: 28 No. of Claims: 5

(21) Application No.1735/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : STENT FOR BIFURCATION A SYSTEM FOR INTRAVASCULAR IMPLANTATION OF THE STENT FOR BIFURCATION AND A METHOD OF IMPLANTATION OF THE STENT FOR BIFURCATION

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	A61C 8/00 399580 19/06/2012 Poland NA
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### (57) Abstract:

Object of the invention is a stent for bifurcation, characterized in that, it consists of two cylindrical parts: a distal part (1.1) of smaller diameter and a proximal part (1.2) of greater diameter, connected by two - arranged as opposite - longitudinal connectors (1.3) having length (LI) of 0.5 to 8 mm and forming a cell of the stent having an enlarged surface area (1.4), the connectors having a curvilinear shape, in particular a sinusoidal shape.

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONNECTION ASSEMBLY FOR A BASE AND A CABINET ASSEMBLY FOR AN ICE MAKER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47B91/00 :61/670,327 :11/07/2012	
(33) Name of priority country	:U.S.A.	Wisconsin 542200 United States of America
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)John P. MEYERS
(87) International Publication No	: NA	2)Curt R. CAYEMBERG
(61) Patent of Addition to Application Number	:NA	3)Dean M. PETERSEN
Filing Date	:NA	4)Mark P. GIEBEL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A connection assembly is disclosed for an ice maker that includes a base having a rail and a cabinet assembly having a glide. The glide slides onto the rail to removably connect the base and the cabinet assembly while aligning the cabinet assembly vertically and horizontally relative to the base. Preferably, the rail and glide have complementary geometries wherein the base and rail fit together such that the complementary geometries limit the relative vertical and horizontal movement of the rail and the glide to each other. In alternative configurations, the base may have a glide and the cabinet may have a rail. The connection assembly may also include a stop limiting the relative linear movement between the rail and the glide, further assuring proper alignment of the cabinet and the base. The connection assembly may also include a locking mechanism limiting relative linear movement of the base and the cabinet.

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

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DEVICE FOR STORING AND FOR SUPPLYING POWER TO A UNIT OF ELECTRICAL EQUIPMENT AND ITS THERMAL REGULATION METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:1257423 :31/07/2012	(71)Name of Applicant: 1)L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(86) International Application No	:NA	Address of Applicant :75 QUAI D'ORSAY, 75007 PARIS,
Filing Date	:NA	FRANCE
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)ROUSSIN-BOUCHARD XAVIER
Filing Date	:NA	2)SANGLAN PATRICK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Device for storing and for supplying power to electrical equipment and its method of thermal regulation Device for storing and for supplying power to electrical equipment (9), notably telecommunications equipment, the device comprising an enclosure (1) housing the said electrical equipment (9), the enclosure (1) being equipped with at least two orifices (20, 220) communicating with the outside of the enclosure (1) and each associated with a respective mobile flap (125, 225) for selectively closing the said orifice (20, 220,), the enclosure (1) comprising at least one air conditioner (10) for selectively cooling the air inside of the enclosure (I), the at least one air conditioner (10) comprising an inlet (101) for air to be cooled and an outlet (102) for cooled air, the device furthermore comprising a coolant reservoir (13) remote with respect to the enclosure (I), the coolant reservoir (13) being connected to the internal volume of the enclosure (1) via a coolant circuit (15) and a mechanism (14) for selective displacement of the coolant within the circuit (14) for selectively creating a thermal exchange between the coolant from the reservoir (13) and the interior of the enclosure (1).

No. of Pages: 25 No. of Claims: 14

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(21) Application No.1865/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :25/06/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SULFONIC ACID MONOMER BASED COMPOSITIONS

(51) International classification	:C08F2/00	(71)Name of Applicant :
(31) Priority Document No	:61/677,561	1)ROHM AND HAAS COMPANY
(32) Priority Date	:31/07/2012	Address of Applicant :100 INDEPENDENCE MALL WEST,
(33) Name of priority country	:U.S.A.	PHILADELPHIA, PENNSYLVANIA 19106, USA U.S.A.
(86) International Application No	:NA	2)DOW GLOBAL TECHNOLOGIES LLC
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KEVIN J. HENDERSON
(61) Patent of Addition to Application Number	:NA	2)LIDARIS SAN MIGUEL RIVERA
Filing Date	:NA	3)ANTONY VAN DYK
(62) Divisional to Application Number	:NA	4)THOMAS H. KALANTAR
Filing Date	:NA	5)ANURIMA SINGH

# (57) Abstract:

The present invention relates to a composition comprising a water-soluble dispersant comprising structural units of a sulfonic acid monomer or a salt thereof and a co-monomer. The dispersant of the present invention addresses a need in the art by providing a way to improve the hiding 5 efficiency of coatings compositions.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND APPARATUS FOR PROVIDING MOTOR PROTECTION IN A POWER TOOL AND METHOD OF MANUFACTURING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B17/00 :13/533,446 :26/06/2012 :U.S.A. :NA :NA :NA :NA :NA	
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#### (57) Abstract:

Systems and apparatus for reliably sealing a surgical device are disclosed herein. Specifically, a surgical device including a drive shaft tube that is coupled to a drive shaft is disclosed. Because the drive shaft tube is coupled to the drive shaft, the drive shaft tube rotates at the same rotational speed as the drive shaft, which is less than the rotational speed of a cannulated motor shaft. The drive shaft tube can extend through the cannulated motor shaft. In addition, a sealing member can be provided to seal between the drive shaft tube (which rotates slowly) and the motor instead of between the motor shaft (which rotates more quickly) and the motor. The sealing member can be provided in a gap defined between an outer surface of a portion of the drive shaft tube extending beyond the cannulated motor shaft and the motor.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: MOVER ASSEMBLY OF CIRCUIT BREAKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:10-2012- 0074704 :09/07/2012	(71)Name of Applicant:  1)LSIS CO., LTD  Address of Applicant:1026-6, Hogye-Dong, Dongan-Gu, Anyang-Si, Gyeonggi-Do, Korea Republic of Korea (72)Name of Inventor:  1)Seong Yeol CHO
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#### (57) Abstract:

A mover assembly of a circuit breaker according to one aspect includes: a terminal fixed within a circuit breaker, a connector coupled to the terminal; a plurality of movers rotatably installed in the connector; and an elastic member applying elastic force to the movers to tightly attach the movers to the connector, wherein each of the movers includes a first mover and a second mover and the elastic member is positioned between the first mover and the second mover. A mover assembly of a circuit breaker according to another aspect includes: a terminal including a connector having a plurality of accommodation portions; a first mover having one end accommodated in the accommodation portion, and formed to correspond to the first mover so as to be moved together with the first mover; an elastic member interposed between the first mover and the second mover; and a movable contactor installed in the other ends of the first mover and the second mover, wherein the elastic member tightly attaches the first mover to one side of the accommodation portion and the second mover to the other side of the accommodation portion to allow a current introduced through the movable contactor to flow to the terminal through the first mover and one side of the accommodation portion and through the second mover and the other side of the accommodation portion.

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

(21) Application No.2109/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: NOISE DAMPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E04B9/00 :13/694944 :23/01/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)WORTHINGTON ARMSTRONG VENTURE Address of Applicant:101 LINDENWOOD DRIVE, SUITE 350 MALVERN, PA 19355, USA U.S.A. (72)Name of Inventor: 1)BRETT W. SAREYKA 2)JOSHUA L. NEAL
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### (57) Abstract:

Noise dampers of sound absorbent material are inserted on the metal grid beams in a suspended ceiling. Hangers, embedded in a structural ceiling, that support the beams, are insulated from the beams by the noise dampers. Sound vibrations generated in the structural ceiling, which is often a floor, are not transmitted through the hangers, to the suspended ceiling, or to the room, below, but are absorbed in the dampers before reaching the grid beams.

No. of Pages: 25 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :23/05/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: TEST SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B30B, C03B :2012- 118185 :24/05/2012 :Japan :NA :NA	(71)Name of Applicant: 1)HORIBA, LTD. Address of Applicant: 2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510, JAPAN (72)Name of Inventor: 1)URATANI, KATSUMI 2)WATANABE, KOJI
(87) International Publication No	:NA : NA :NA	3)NAKAMURA, HIROSHI
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	4)MISOGI, TSUTOMU

(21) Application No.1550/DEL/2013 A

### (57) Abstract:

An administrating device (7) that administrates a plurality of units for test used for a test of a mobile object such as a vehicle or a constituting component of the mobile object comprises a recognizing part that recognizes an assembly of one or more units for test (21) as a group for test and an assembly of one or more group for test as a device for test, and an administrating body part (73) that conducts a predetermined batch operation command or a predetermined batch setting for a unit for test (21) that belongs to the designated one or more a groups for test andlor that conducts a predetermined batch operation command or a predetermined batch setting on a unit for test that belongs to the designated one or more device for test

No. of Pages: 44 No. of Claims: 17

(21) Application No.1552/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :23/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DEVICE FOR OPERATING A LIGHTING UNIT

(51) International classification  :H04L, F16K (31) Priority Document No  (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  :H04L, F16K :10 2012 104434.1 (271)Name of Applicant: 1)HELLA KGAA HUECK & CO. Address of Applicant: RIXBECKER STRASSE 75, 59552 LIPPSTADT, GERMANY (72)Name of Inventor: 1)RALF EDELMEIER  (71)Name of Applicant: 1)HELLA KGAA HUECK & CO. Address of Applicant: RIXBECKER STRASSE 75, 59552 LIPPSTADT, GERMANY (72)Name of Inventor: 1)RALF EDELMEIER	
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#### (57) Abstract:

The invention affects/concerns a device for the functioning of an illuminant, in particular in an automobile, whereby the Illuminant is linked with a control device for the energy-efficient supply of the illuminant and between the control panel and the control unit, a data channel is available. According to the invention, it is effective that the control unit and the control panel exchanges/transmits characteristic data through the data canal, especially electricity parameter data, thermal protection data, socket current data and the like, of the lighting unit and the control unit exhibits an indicator with an indicator value whereby at the time of the first initialisation of the control unit, depending on the indicator value the characteristic data of the control unit are transmittable to the control panel.

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

(22) Date of filing of Application :28/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TIBIAL TRIAL INSTRUMENTS AND METHOD OF USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:U.S.A. :NA :NA : NA : NA	(71)Name of Applicant: 1)DEPUY (IRELAND) Address of Applicant: LOUGHBEG, RINGASKIDDY, COUNTY CORK, IRELAND (72)Name of Inventor: 1)KYLE B. THOMAS 2)TODD KILPELA 3)RYAN C. KEEFER 4)LISA M. MAJOR
11		4)LISA M. MAJOR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An orthopaedic surgical instrument assembly includes a tibial base trial adapted to be positioned on a surgically-prepared proximal end of a patients tibia, an intramedullary orthopaedic surgical instrument engaged with a lower surface of the tibial base trial, and a fastener configured to pivot relative to the tibial base trial. The fastener is configured to engage with the intramedullary orthopaedic surgical instrument to removably couple the intramedullary orthopaedic surgical instrument to the tibial base trial.

No. of Pages: 107 No. of Claims: 20

(22) Date of filing of Application :03/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROCESS FOR ELECTRIC BONDING OF AN ALUMINIUM WIRE

(51) International classification	:B29C :10 2012	(71)Name of Applicant: 1)HANNING ELEKTRO-WERKE GMBH & CO. KG
(31) Priority Document No (32) Priority Date	011 184.3	Address of Applicant :HOLTER STRASSE 90, 33813 OERLINGHAUSEN, GERMANY.
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)BUCHALLA, HARALD DRING. 2)MEYER, CHRISTIAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a process for electric bonding of an aluminum wire to a contact area which wire provided with an oxide layer on its outer surface is wrapped with an insulating lacquer and ultrasonic bonded to said contact area, wherein insulation is removed from the aluminum wire section to be connected to the contact area prior to the ultrasonic bonding process by removing the insulating layer which surrounds the outer surface of the wire with oxide layer by means of an electric plasma.

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

(21) Application No.2121/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BRAKE CALIPER ASSEMBLY HAVING A SPACER TAPE AND A METHOD OF MANUFACTURE

## (57) Abstract:

A brake caliper assembly having a spacer tape and a method of manufacture. The brake caliper assembly may include a carrier, a housing assembly disposed on the carrier, and a spacer tape. The spacer tape may engage the carrier and the housing assembly. The spacer tape may have a perforation that severs to permit movement of the housing assembly with respect to the carrier.

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

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: DUPLEXER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:2012- 149728	(71)Name of Applicant:  1)TAIYO YUDEN CO., LTD.  Address of Applicant:16-20, UENO 6-CHOME, TAITO-KU, TOKYO 110-0005, JAPAN (72)Name of Inventor:  1)AKIRA MORIYA
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(21) Application No.1936/DEL/2013 A

#### (57) Abstract:

A duplexer includes: a transmission filter connected between a common terminal and a transmission terminal; and a reception filter connected between the common terminal and a reception terminal, wherein the reception filter includes resonators located on a piezoelectric substrate, at least one resonator of the resonators is grounded, and a resonator located at a side closest to the common terminal out of the grounded resonator is a divided resonator that is divided into two or more, and a resonance frequency fr of the divided resonator is in a range of fr = 2x(fTL to fH)-(fRL to fRH) when a pass frequency of the transmission filter is fTLt of and a pass frequency of the reception filter is fRL to fRH.

No. of Pages: 29 No. of Claims: 6

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: WIND TURBINE YAW OR PITCH BEARING UTILIZING A THREADED BEARING SURFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/568,556 :07/08/2012 :U.S.A. :NA :NA : NA :NA :NA	_ ·
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A yaw or pitch bearing for a wind turbine includes a slewing ring bearing assembly having an outer race and an inner race, both having an inner surface and an outer surface. The inner surface of the outer race and the outer surface of the inner race have a plurality of threads that engage and define a threaded bearing surface.

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

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ANGIOSOME-BASED PERFUSION MONITORING SYSTEM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/668,479 :06/07/2012	· ·
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## (57) Abstract:

A compression device includes at least one pressurizable bladder to substantially occlude blood flow into skin capillary beds adjacent to the at least one pressurizable bladder, and a plurality of perfusion sensors. In operation a first-angiosome sensor detects the perfusion parameter of a skin capillary bed in a first angiosome of the limb, and a second-angiosome sensor detects the perfusion parameter of a skin capillary bed in a second angiosome of the limb that is different from the first angiosome. A control circuit maps sensor signals from the first-angiosome sensor to the first angiosome or a first artery of the limb, and maps sensor signals from the second-angiosome sensor to the second angiosome or a second artery of the limb different from the first artery of the limb. For each perfusion sensor, the control circuit determines whether the received sensor signals are indicative of peripheral artery disease.

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

(19) INDIA

1:04/07/2013 (43) Publication Date: 13/02/2015

(21) Application No.1988/DEL/2013 A

(22) Date of filing of Application :04/07/2013

(54) T	itle of	the	invention	$: \mathbf{B} A$	ATTEI	RY	UNIT
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<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2012- 151370 :05/07/2012 :Japan :NA :NA :NA	(71)Name of Applicant:  1)DENSO CORPORATION  Address of Applicant: 1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PREF. 448-8661, JAPAN  2)SUZUKI MOTOR CORPORATION  (72)Name of Inventor: 1)YOSHIKI ADACHI 2)TATSUYA SAITO 3)HIROBUMI AWAKAWA
(62) Divisional to Application Number Filing Date	:NA :NA :NA	
(5-X 4.1		

#### (57) Abstract:

A battery unit 10 has a battery pack module 11 that has a plurality of single cells 4 1, a control circuit board 12 that 5 has a control section that controls a charge and discharge in the battery pack module 11, and an accommodation case 16 where the battery pack module 11 and the control circuit 12 board are accommodated. The control circuit board 12 is disposed in a position above the battery pack module 11, and 10 separated away from the base plate 21 by a distance more than a distance from the base plate 21 to a wall top end part of the wall section 22. Moreover, the submergence sensor 122 is disposed in a position nearer to the base plate 21 than | to the wall top end part of the wall section 22 that is in a space 15 within the case 16 surrounded by the wall section 22.

No. of Pages: 74 No. of Claims: 5

(21) Application No.2124/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: BRUSH DEVICE, ELECTRIC MACHINE

Filing Date (87) International Publication No	:H01R39/00 :102012213700.9 :02/08/2012 :Germany :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant:POSTFACH 30 02 20, 70442  STUTTGART, GERMANY (72)Name of Inventor:  1)SCHROEDER, BERND  2)DETROIS, YVES  3)MAUER, CORNELIA
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#### (57) Abstract:

The present subject matter relates to a brush device (1) comprising at least one brush holder (2), which has at least two brush channels (6, 7) for receiving a respective brush (10,11), wherein the brushes (10, 11) are displaceably mounted in each of the brush channels (6,7), and wherein in each case a helical spring (14, 15) is disposed in a pre-stressed manner between one of the brushes (10, 11) and a stop (16, 17) in the respective brush channel (6,7), and having at least two elastically deformable electric conductors (20, 21), each of which are connected at one end with one of the brushes (10, 11). It is provided that the respective stop I (16, 17), formed in at least partially annular shape, comprises a passage opening (18, 19), and a the respective electrical conductors (20, 21) from each brush (10, 11) through the respective helical spring (14, 15) and the passage opening (18, 19) of the stop (16, 17), supporting the respective helical spring (14, 15) is guided to a connection (22, 23) at the end of the respective brush channel (6, 7), and wherein a lateral spreading space (26, 27) for the electrical conductor (20, 21) is formed in the brush holder (2) between the connection (22, 23) and the stop (16, 17).

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

(22) Date of filing of Application :12/04/2006 (43) Publication Date: 13/02/2015

# (54) Title of the invention: MULTIFUNCTIONAL PARTICULATE MATERIAL, FLUID, AND COMPOSITION

(21) Application No.1993/DELNP/2006 A

# (57) Abstract:

(19) INDIA

A multifunctional particulate material, fluid, or composition includes a predetermined amount of core particles with a plurality of coatings. The core particles have an average particle size of about 1 nm to 500 urn. The particulate material, fluid, or composition is capable of exhibiting one or more properties, such as magnetic, thermal, optical, electrical, biological, chemical, lubrication, and rheological.

No. of Pages: 48 No. of Claims: 148

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND ARRANGEMENT FOR GAS TURBINE ENGINE SURGE CONTROL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F23R3/00 :12176464.1 :13/07/2012	
(32) Name of priority country	:EPO	5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)STUDERUS ADRIEN FRANZ
(87) International Publication No	: NA	2)STEIGER ULRICH ROBERT
(61) Patent of Addition to Application Number	:NA	3)JAKOBY RALF
Filing Date	:NA	4)WALCHLI RENE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a surge control method for a gas turbine engine (10). The method includes providing a gas turbine engine (10) having a compressor (20), a combustor (30), downstream of the compressor (20), with a hot gas path, a turbine (40) downstream of the combustor (30), with a hot gas path. The method further includes monitoring the gas turbine engine (10) for a potential surge condition, controlling a blowoff flow from the compressor (20), based on the monitoring for the control purpose of avoiding the surge condition, and directing the blow-off flow to at least one of the hot gas paths so as to bypass at least a portion of the combustor (30).

No. of Pages: 14 No. of Claims: 12

(21) Application No.2050/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :09/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: TWO TUB WASHING MACHINE

(51) International classification	:D06F37/00	(71)Name of Applicant:
(21) D : '( D ( ) )	:10-2012-	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	0075793	Address of Applicant :129, SAMSUNG-RO, YEONGTONG-
(32) Priority Date	.11/07/2012	GU, SUWON-SI, GYEONGGI-DO, KOREA Republic of Korea
(32) Thomy Dute	:Republic	(72)Name of Inventor:
(33) Name of priority country		
() F y	of Korea	1)KIM, GIL HWAN
(86) International Application No	:NA	2)KIM, YANG HYUN
Filing Date	:NA	3)KIM, JI KANG
(87) International Publication No	: NA	4)KOO, HYUN MO
(61) Patent of Addition to Application Number	:NA	5)KIM, MIN HYUNG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed herein is a two tub washing machine having an improved opening and closing structure of an inlet. The two tub washing machine includes a housing, an upper cover to cover an upper portion of the housing, a drying tub including a drying basket, a first inlet and a second inlet, and an opening and closing member adapted to open and close the first inlet and slidably movable between the first inlet and the second inlet. The opening and closing member is arranged to be fixed to one lateral surface of the two tub washing machine and to be movable between an inlet provided for the washing tub and an inlet for the drying tub, and therefore separation of the opening and closing member from the housing may be prevented, and a need for a separate space to keep the opening and closing member may be eliminated.

No. of Pages: 51 No. of Claims: 25

(21) Application No.2135/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MACHINING SUPPORT APPARATUS AND MACHINING SUPPORT SYSTEM

(51) International classification	:G06F17/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 158653	1)HITACHI LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:17/07/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NOBUHISA SEYA
Filing Date	:NA	2)DAISUKE IGARASHI
(87) International Publication No	: NA	3)YOHEI MAEKAWA
(61) Patent of Addition to Application Number	:NA	4)KATSUTO NUMAYAMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 41		•

#### (57) Abstract:

In order to easily verify an operation of the machine tool, a machining support apparatus includes a machining monitoring unit 112, a simulation processing unit 113, and a display unit 150. The machining monitoring unit 112, upon receiving a notification indicating detection of a simulation start code programmed in a machining program from a machine tool controller controlling a machine tool via a communication device 130, renders the machine tool controller to stop the machine tool. The simulation processing unit 113 simulates instructions from the simulation start code to a simulation end code in the machining program, while the machine tool is stopped. And the display unit 150 displays a simulation performed in the simulation processing unit.

No. of Pages: 51 No. of Claims: 9

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SEALING DEVICE, AXIAL TURBINE AND POWER PLANT

(51) International classification	:F16C17/00,B26D1/00	(71)Name of Applicant :
(31) Priority Document No	:2012-161746	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:20/07/2012	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TSUKUDA TOMOHIKO
(87) International Publication No	: NA	2)MIMURA YUKI
(61) Patent of Addition to Application	:NA	3)ONODA AKIHIRO
Number	:NA	4)SHIBUKAWA NAOKI
Filing Date	.IVA	5)SATO IWATARO
(62) Divisional to Application Number	:NA	6)TSURUTA KAZUTAKA
Filing Date	:NA	

#### (57) Abstract:

In one embodiment, a sealing device includes seal fins provided on an inner circumferential surface of a stationary body or an outer circumferential surface of a rotating body so as to be 5 adjacent to each other in an axial direction of the rotating body in a gap between the outer circumferential surface of the rotating body and the inner circumferential surface of the stationary body. The device further includes at least one opening member provided on the inner circumferential surface of the stationary body, the 10 opening member being provided at a position between seal fins adjacent to each other in the axial direction, and having holes opened on a side of the inner circumferential surface of the stationary body.

No. of Pages: 35 No. of Claims: 13

(21) Application No.1806/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ENGINE CONTROL SYSTEM FOR VEHICLE

(51) International classification	:F02M25/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 216820	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:28/09/2012	MINATO-KU, TOKYO, 107-8556 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TEPPEI EMURA
Filing Date	:NA	2)NAOKI KONO
(87) International Publication No	: NA	3)MASAKI KOBAYASHI
(61) Patent of Addition to Application Number	:NA	4)AKIHIKO YAMASHITA
Filing Date	:NA	5)TOMOYUKI SAHATA
(62) Divisional to Application Number	:NA	6)NORIO ABE
Filing Date	:NA	

# (57) Abstract:

To provide an engine control system for a vehicle 5 where intake clogging can be easily detected without having a special device. [Means for Resolution] A clogging state of an intake passage is determined based on a differential between a maximum intake pressure 10 value Tl and a minimum intake pressure value Bl, B2 in an intake stroke of an engine detected by an intake pressure sensor.

No. of Pages: 30 No. of Claims: 5

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : INFORMATION PROCESSING SYSTEM, OUTPUT CONTROL DEVICE, AND DATA GENERATING DEVICE

(51) International classification	:H04N21/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 143677	1)HITACHI LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:27/06/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)IMAMOTO KENJI
Filing Date	:NA	2)MAEKAWA KEIJI
(87) International Publication No	: NA	3)KATSUTA KEIICHI
(61) Patent of Addition to Application Number	:NA	4)SHIBATA NAOKI
Filing Date	:NA	5)SAKAI KENICHI
(62) Divisional to Application Number	:NA	6)SAKUYAMA HIDEO
Filing Date	:NA	7)WATANABE DAI

#### (57) Abstract:

The present invention provides a multiplex information processing system including at least two processing units configured to generate control data for controlling a control target apparatus on the basis of input data, the multiplex information processing system including a processing unit of a first system configured to output control data of the first system generated on the basis of the input data, a processing unit of a second system configured to output code data of a second system encoded with an encoding algorithm peculiar to the second system with respect to control data of the second system generated on the basis of the input data, and a control unit configured to receive the control data of the first system and the code data of the second system and determine, on the basis of verification results of validity of the control data of the first system and the code data of the second system, propriety of transmission of the control data of the first system to the control target apparatus.

No. of Pages: 58 No. of Claims: 20

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FRICTION STIR WELDING METHOD FOR METAL MATERIAL AND METAL MATERIAL WELDED BODY OBTAINED THEREBY

(51) International classification	:B23K20/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 147622	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:29/06/2012	KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMAUCHI RYO
Filing Date	:NA	
(87) 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 friction stir welding method for a metal material for longitudinally welding members to be butted and then welded with complicated shape portions in section at end portions is performed. The friction stir welding method includes the steps of: preparing members to be welded and formed with excess thickness portions and a welding tool provided with a probe for welding the members to be welded while rotating the welding tool in a manner of abutting against the members to be welded, the excess thickness portions being formed so as to protrude on extension surfaces of at least one side weld end portions of butt surfaces of the members to be welded; performing a first welding to the members to be welded so as to weld the butt surfaces of the members to be welded along one side and terminating the butt welding by using the welding tool along the one side surfaces and terminating the first welding immediately before the excess thickness portions; inserting the welding tool from the excess thickness portion to cause plastic flow of the metal material subsequent to the butt-welding along the one side to thereby fill a probe hole remaining in the first welding step after removing the welding tool from the members to be welded; and performing a second welding continuously from the filling step along another one side leading from the one side mentioned previously in the preparing step of the members to be welded. - 54-

No. of Pages: 79 No. of Claims: 9

(21) Application No.2143/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR PROVIDING FLIGHT DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:1214919.1 :22/08/2012 :U.K. :NA :NA : NA : NA	(71)Name of Applicant:  1)GE Aviation Systems Limited Address of Applicant: Bishops Cleeve, Cheltenham, Gloucestershire, GL52 8SF (GB) U.K. (72)Name of Inventor:  1)SCHOONVELD, Steve John 2)PETTER, Stephane Laurent
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

### (57) Abstract:

A method of providing real-time flight data to an aircraft, which includes the flying of a first aircraft along a flight path and obtaining real-time flight data as the first aircraft is flown along the flight path. The method includes directly relaying at least a portion of the real-time flight data.

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

(22) Date of filing of Application :26/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM CONTAINING AN ELECTRIC HEATING ELEMENT AND METHOD FOR INSTALLATION AND USE THEREOF

(51) International classification	:F24F13/00	(71)Name of Applicant :
(31) Priority Document No	:61/671,204	1)MRA SYSTEMS, INC.
(32) Priority Date	:13/07/2012	Address of Applicant :103 CHESAPEAKE PARK PLAZA,
(33) Name of priority country	:U.S.A.	BALTIMORE, MARYLAND 21220, U.S.A. U.S.A.
(86) International Application No	:NA	2)KELLY AEROSPACE THERMAL SYSTEMS, LLC
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CALDER, DAVID PATRICK
(61) Patent of Addition to Application Number	:NA	2)OPIFICIUS, JULIAN ALEXANDER
Filing Date	:NA	3)FAIRBERT, MARK
(62) Divisional to Application Number	:NA	4)PEDERSON, ERIK THOMAS
Filing Date	:NA	5)FLOSDORF, DAVID CENIT

### (57) Abstract:

A system and method thereof is provided for electrically heating a component. The system includes at least one heating element adapted to be adhesively bonded to a surface on the component and means for controlling flow and duration of an electrical current to the heating element from a power supply. The controlling means comprises a first heating cycle for curing an adhesive to bond the heating element to the surface and has a second heating cycle for providing ice protection to the surface.

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

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHODS REDUCING COHERENCE EFFECT IN NARROW LINE-WIDTH LIGHT SOURCES

#### (57) Abstract:

Systems and methods are described for reducing coherence effect in narrow line-width light sources through various modulation techniques. The systems and methods can include a narrow line-width laser source with a thermoelectric cooler thermally coupled thereto and a controller communicatively coupled to the thermoelectric cooler. The controller is configured to provide a varied input signal to the thermoelectric cooler to reduce coherence of the narrow line-width laser source by artificially broadening the narrow line-width on a time averaged basis. The systems and methods can also include direct modulation of the narrow line-width laser source. The systems and methods can include a narrow line-width Optical Time Domain Reflectometer (OTDR). The systems and methods can also include direct modulation of the narrow line-width laser source with or without the varied input signal to the thermoelectric cooler.

No. of Pages: 31 No. of Claims: 17

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED METHOD OF METAL PLATING SEMICONDUCTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/544,223 :09/07/2012	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A metal underlayer is selectively plated on semiconductor wafers immediately followed by plating copper on the metal underlayer using a low internal stress copper plating bath. Additional metallization may be done to build up the metal layers using conventional metal plating baths and methods to form current tracks. Formation of metal silicides is avoided. Good adhesion of the metals to the semiconductors is achieved. The metalized semiconductors may be used in the manufacture of photovoltaic devices.

No. of Pages: 22 No. of Claims: 8

(21) Application No.2120/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AN IMPELLER FOR A CENTRIFUGAL PUMP

(51) International classification	:F04D29/00	(71)Name of Applicant:
(31) Priority Document No	:12185301.4	1)SULZER PUMPEN AG
(32) Priority Date	:20/09/2012	Address of Applicant :ZURCHERSTRASSE 12, 841,
(33) Name of priority country	:EUROPEAN	WINTERTHUR, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)MATTI KOIVIKKO
Filing Date	:NA	2)KALLE TIITINEN
(87) International Publication No	: NA	3)SAMI VIRTANEN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7		

#### (57) Abstract:

The present invention relates to a centrifugal pump, the impeller of which comprises a shroud (34) with at least one solid and rigid working vane (36), and at least one solid and rigid rear vane (38), the at least one working vane (36) having a leading edge region (46), a trailing edge region (48), a central region (C), a side edge, a pressure face (42) and a suction face (44), the at least one solid and rigid rear vane (38) having a trailing edge region, a side edge, a pressure face and a suction face. The trailing edge region (48) of the at least one working vane (36) is rounded by means of a rounding to have a thickness greater than that in the central region (C).

No. of Pages: 17 No. of Claims: 13

(21) Application No.2150/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: TORSION BEAM TYPE SUSPENSION FOR VEHICEL

(51) International classification	:B60G21/00	(71)Name of Applicant :
(31) Priority Document No	:2012- 228193	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, TAKTSUKA-CHO, MINAMI-
(32) Priority Date	:15/10/2012	KU, HAMAMATSU-SHI, SHIZUOKA-KEN, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YUASA, KOJI
Filing Date	:NA	
(87) 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:

To provide a torsion beam type suspension for a vehicle that can prevent deterioration in rectilinearity of the vehicle during rough terrain traveling and uneven wear of tires while realizing improvement of steering stability of the vehicle. [Means for Solving the Problem] In a torsion beam type suspension 1 for a vehicle configured by connecting, using a torsion beam 3 arranged along a vehicle width direction, a pair of left and right trailing arms 2 arranged along a vehicle front and rear direction, axially supporting the respective front ends of the left and right trailing arms 2 on a vehicle body to be capable of swinging in an upper and lower direction, and rotatably supporting rear wheels (wheels) 50 at the respective rear end portions of the trailing arms 2 via hub carriers 8, the lower ends of the hub carriers 8 are supported by the trailing arms 2 to be pivotable around axes in the vehicle front and rear direction, and the upper ends of the hub carriers 8 are connected to a substantially central portion in the vehicle width direction of the torsion beam 3 by control rods 15.

No. of Pages: 19 No. of Claims: 2

(21) Application No.1815/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VEHICLE DOOR CLOSER DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E05F3/00 :2012- 145838 :28/06/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)MITSUI KINZOKU ACT CORPORATION Address of Applicant: 48, KAMOME-CHO, NAKA-KU, YOKOHAMA-SHI, KANAGAWA 231-0813, JAPAN (72)Name of Inventor: 1)KAZUHITO YOKOMORI 2)KOHEI YAMASHITA
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#### (57) Abstract:

In a planetary gear mechanism of a vehicle door closer device, a planetary gear meshes with a sun gear and a ring gear. When the ring gear turns in one direction, the planetary gear orbits while it turns on its own axis. A closing lever is pivoted on the planetary gear and turns with orbiting of the planetary gear to move the latch to a full-latch position to enable the door to close. When the ring gear turns in the other direction, the planetary gear turns on its own axis and the sun gear turns to allow the ratchet to release from the latch to to enable the door to open. The planetary gear mechanism slows down a motor and a motion is transmitted to the ratchet to enable the ratchet to release from the latch. When the motor stops, the motion is disconnected to enable the ratchet to return to engagement with the latch.

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

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING SPEED AND TORQUE OF A WIND TURBINE DURING POST-RATED WIND SPEED CONDITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/570,651 :09/08/2012	· /
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#### (57) Abstract:

A method and system for controlling a wind turbine generator at wind speeds in excess of rated wind speed to detect wind speeds and, at rated wind speed, control generator torque and generator rotational speed to achieve a rated power for the wind turbine generator. As wind speed increases beyond the rated wind speed, one of generator torque or generator rotational speed is increased and the other of generator rotational speed or generator torque is proportionally decreased to maintain the generator power substantially constant at rated power.

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

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FUEL FILTRATION SYSTEM, FILTER EXCHANGE MODULE THEREFOR, AND METHOD OF REPLACING FUEL FILTERS

(51) International classification	:B01D46/00	(71)Name of Applicant :
(31) Priority Document No	:13/554,261	1)CATERPILLAR INC.
(32) Priority Date	:20/07/2012	Address of Applicant :100 N.E. ADAMS STREET, PEORIA,
(33) Name of priority country	:U.S.A.	ILLINOIS 61629, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHAFER, SCOTT F.
(87) International Publication No	: NA	2)HERRON, ERIC J.
(61) Patent of Addition to Application Number	:NA	3)WELLS, ALAN W.
Filing Date	:NA	4)WEAR, BYRON R.
(62) Divisional to Application Number	:NA	5)CHINTA, KRISHNA K.
Filing Date	:NA	6)TIAN, YE

#### (57) Abstract:

A fuel filtration system includes an electric pump, a filter assembly, and conduits for fluidly connecting the pump and filter assembly in series with a fuel tank to define a kidney filtration loop. The filter assembly includes a filter assembly head, including attachment openings therethrough, and a filter exchange module, including a mounting plate having externally threaded mounting connectors extending outwardly from one face thereof and internally threaded bores opening through another face thereof. In a mounted configuration, a fuel filter is threaded onto each mounting connector such that the filter is fluidly aligned with a he1 flow opening through the mounting plate, fasteners are positioned through the attachment openings and threadably received within the bores, and fuel flow passages of the filter assembly head define a flow distribution in which one pair of filters is fluidly in parallel and another pair of filters is fluidly in series.

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

(21) Application No.2148/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR DEVELOPING SOFTWARE IN A PARALLEL COMPUTING ENVIRONMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/588,485 :17/08/2012 :U.S.A. :NA :NA : NA	,
(61) Patent of Addition to Application Number	:NA	2/0 0 02222 21 (2.2) 2 2 2 <b>3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 </b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method (100) for developing software in a parallel computing environment includes among other things the steps of developing a sequential implementation (114) and parallel implementation (118) of the software and verifying the results of the parallel implementation (120) of the software against the results of the sequential implementation (116) of the software.

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

(21) Application No.2175/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD OF IDENTIFYING A TRACKED OBJECT FOR USE IN PROCESSING HYPERSPECTRAL DATA

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification SunA SunA SunA SunA SunA SunA SunA Sun	(71)Name of Applicant:  1)GE Aviation Systems LLC Address of Applicant: 3290 Patterson Avenue, SE Grand Rapids, Michigan 49512-1991,U.S.A. U.S.A. (72)Name of Inventor:  1)BUEHLER, Eric Daniel 2)OCCHIPINTI, Benjamin Thomas 3)KUCZYNSKI, Konrad Robert
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### (57) Abstract:

The invention relates a method of identifying a tracked object that has a known database of hyperspectral and spatial information. The method associates an identifier with the tracked object; selects a parameter associated with the hyperspectral or spatial information of the tracked object; detects a deviation in the selected parameter; compares the deviation with the database; and if the deviation exceeds a predetermined threshold, assigns a new identifier to the tracked object, and if the deviation does not exceed the predetermined threshold, continues tracking the tracked object.

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COMBUSTOR ARRANGEMENT, ESPECIALLY FOR A GAS TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F23R3/00 :12175642.3 :10/07/2012 :EPO :NA	1 ^
Filing Date	:NA	1)PASQUALOTTO ENNIO
(87) International Publication No	: NA	2)SCHIESSEL PIRMIN
(61) Patent of Addition to Application Number	:NA	3)HELLAT JAAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a combustor arrangement (30), comprising a combustion chamber (22) with a front panel (23), and a premix burner (21) of the multi-cone type, which is connected to said front panel (23) though an elongated mixing zone (24, 26) in an axially moveable fashion by means of a sealed sliding joint (24, 26, 32). A wide range of axial variation of the burner (21) with a minimized influence of the W leakage air flow on the oxidation process within the flame is achieved by positioning said sealed sliding joint (24, 26, 32) upstream of said mixing zone (24, 26).

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PREMIX BURNER OF THE MULTI-CONE TYPE FOR A GAS TURBINE

(86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication No (87) International Publication No Filing Date (88) International Application No Since	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:12175641.5 :10/07/2012 :EPO :NA :NA : NA :NA :NA	Address of Applicant :BROWN BOVERI STRASSE 7, CH-5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)PASQUALOTTO ENNIO
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# (57) Abstract:

The invention relates to a premix burner (10) of the multi-cone type for a gas turbine, comprising a plurality of shells (12a-d), which are arranged around a central burner axis (11) and are parts of a virtual, axially extending common cone, which opens in a downstream direction, whereby said parts are displaced perpendicular to said burner axis (11) such that a tangential slot (14) is defined between each pair of adjacent shells (12a-d). A disadvantageous transition piece between the shells and a downstream mixing tube is avoided by bordering the downstream ends of the shells (12a-d) by intersecting planes (17), which are defined by intersecting said shells (12a-d) with a virtual coaxial cylinder of a predetermined radius (R).

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FILTER MEDIA AND FILTER DEVICE COMPRISED THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B01D61/00 :13/564,304 :01/08/2012 :U.S.A. :NA :NA :NA :NA	, , , , , , , , , , , , , , , , , , ,
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

This disclosure describes examples of a filter media for use in filter devices, e.g., pulse filter cartridges found in power generating systems. Embodiments of the filter media include a base media and a membrane, which partially covers one or both sides of the base media. In one embodiment, the membrane covers a membrane area of at least one side of the base media, wherein the membrane area is less than a total area of the side on which the membrane is disposed.

No. of Pages: 24 No. of Claims: 20

(21) Application No.2156/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : FLUID TREATMENT ASSEMBLIES, FLUID TREATMENT SEGMENTS, AND METHODS OF MAKING FLUID TREATMENT SYSTEMS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B29D 30/00 :13/571,633 :10/08/2012 :U.S.A.	(71)Name of Applicant:  1)PALL CORPORATION  Address of Applicant:25 HARBOR PARK DRIVE, PORT WASHINGTON, NEW YORK 11050, UNITED STATES OF AMERICA, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAYER, CHERYL
(87) International Publication No	: NA	2)MESSIER, SYLVIA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A fluid treatment assembly includes a stack of fluid treatment segments. Each fluid treatment segment has an array of fluid treatment units positioned between opposite end plates and a retainer that compresses the end plates and the array of fluid treatment units against one another. The fluid treatment segments may be stacked between opposite end pieces of a holder to form the fluid treatment assembly.

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

(21) Application No.2157/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: KRILL OIL AND REACTED ASTAXANTHIN COMPOSITION AND ASSOCIATED METHOD

(51) International classification	:A61K35/00,A23K1/00	(71)Name of Applicant:
(31) Priority Document No	:13/553,025	1)U.S. Nutraceuticals, LLC d/b/a Valensa International
(32) Priority Date	:19/07/2012	Address of Applicant :2751 Nutra Lane, Eustis, FL 32726,
(33) Name of priority country	:U.S.A.	USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)John A. MINATELLI
(87) International Publication No	: NA	2)W. Stephen HILL
(61) Patent of Addition to Application Number	:NA	3)Rudi E. MOERCK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		·

#### (57) Abstract:

A composition that enhances cardiovascular health includes krill oil reacted with astaxanthin. A medicine delivery system for a method and composition includes an inner capsule containing carotenoids and an outer capsule in which the inner capsule is contained within the outer capsule and the outer capsule containing a therapeutically effective amount of krill oil. In one example, the carotenoids include at least S, S-astaxanthin derived from Haematococcus pluvialis.

No. of Pages: 65 No. of Claims: 33

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TRACK PIN RETENTION SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/568,652 :07/08/2012	
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# (57) Abstract:

The disclosure may provide a method of forming a track assembly. In the method, a track pin may be disposed within a first through hole of a first track link and within a second through hole of a second track link. A force may be applied to a tool positioned in a first position to plastically deform a first portion of the first track link which surrounds the first through hole, to thereby form a first connection between the track pin and the first track link. A force may be applied to the tool positioned in a second position to plastically deform a second portion of the first track link which surrounds the first through hole, to thereby form a second connection between the track pin and the first track link. The second connection may be formed after the first connection.

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

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

(19) INDIA

(22) Date of filing of Application: 08/07/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: BAIL ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:E02F3/00 :61/669,388 :09/07/2012 :U.S.A. :NA :NA : NA	·
Filing Date  (62) Divisional to Application Number	:NA :NA :NA	
Filing Date	:NA	

# (57) Abstract:

A shovel includes a dipper, a hoist rope supporting the dipper, and a bail assembly. The bail assembly includes a bail configured to be coupled to the dipper and an equalizer including a mounting block configured to receive a portion of the hoist rope. The bail is pivotable about a bail axis and defines a planar surface. The equalizer is pivotably coupled to the bail. The equalizer is pivotable about an equalizer axis that is parallel to the planar surface of the bail and is offset from the planar surface.

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

(21) Application No.2133/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: DYNAMIC MECHANISM TO LIFT THE FLUID TO HIGHEST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02B75/00,B23Q1/00 :1212787.4 :18/07/2012 :U.K. :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)NEDA GHAZI TULAIHAN AL ENEZI Address of Applicant: ALZAHRA - BLOCK 5 - STREET 504 - HOUSE 11 STATE OF KUWAIT (72)Name of Inventor: 1)NEDA GHAZI TULAIHAN AL ENEZI
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#### (57) Abstract:

A dynamic fluid pump for illustrating fluid dynamics includes a basin of the fluid have a base and a mass of fluid from the basin surface to the base. The dynamic fluid pump is supported at the bottom of the basin. The dynamic fluid pump includes four inner pipes. Two from the inner pipes are upwardly to the fluid tank, one upwardly to the surface of the basin and one act as a vent. The Smallest inner pipe are inside the main inner pipe and the secondary inner pipe smaller diameter than the main inner pipe. Two upwardly inner pipes (main and secondary) each one includes a piston in the bottom of the basin connected together to a pivot assembly in the base of the basin. So that, one of the pistons is at or near the top of one of the inner pipes when the other of the pistons is at or near the bottom of the other inner pipe, A dynamic fluid pump constructed and arranged to raise the fluid to the top.

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

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NONLINEAR MODEL PREDICTIVE CONTROL FOR CHEMICAL LOOPING PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/674,659 :23/07/2012 :U.S.A. :NA :NA : NA : NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A control system for optimizing a chemical looping (CL) plant includes a reduced order mathematical model (ROM) that is designed by eliminating mathematical terms that have minimal effect on the outcome. A non-linear optimizer provides various inputs to the ROM and monitors the outputs to determine the optimum inputs that are then provided to the CL plant. ,- An estimator estimates the values of various internal state variables of the CL plant. The system has one structure adapted to control a CL plant that only provides pressure measurements in the CL loops A and B, a second structure adapted to a CL plant that provides pressure measurements and solid levels in both loops A, and B, and a third structure adapted to control a CL plant that provides full information on internal state variables. A final structure provides a neural network NMPC controller to control operation of loops A and B.

No. of Pages: 42 No. of Claims: 11

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR CALIBRATING BATTERY PACK VOLTAGE

(31) Priority Document No :13/571,78 (32) Priority Date :10/08/20 (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 Filing Date :NA	
(62) Divisional to Application Number :NA Filing Date :NA  Filing Date :NA	

# (57) Abstract:

Method, system, and programs for calibrating battery pack voltage are disclosed. A negative terminal voltage of a cell is changed from a first to a second negative terminal voltage so that a cell voltage is changed from a first to a second output voltage. A positive terminal voltage of the cell is maintained at a substantially constant level. A differential-mode calibration parameter is calculated based on a difference between the first and second output voltages and a difference between the first and second negative terminal voltages. The negative terminal voltage of the cell is then changed from the first to second negative terminal voltage so that the positive terminal voltage of the cell is changed from a first to a second positive terminal voltage and the output voltage is changed from a third to a fourth output voltage. The cell voltage is maintained at a substantially constant value. A common-mode calibration parameter is calculated based on the differential-mode calibration parameter and a difference between the third and fourth output voltages and a difference between the first and second positive terminal voltages.

No. of Pages: 30 No. of Claims: 22

(21) Application No.2071/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ANTENNA APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:2012- 244411 :06/11/2012 :Japan :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN (72)Name of Inventor:  1)AKIHIKO HONZAWA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
( <b>55</b> ) 11		

#### (57) Abstract:

An object of this invention is to provide an antenna apparatus being lighter, not lowering stiffness and performance, and reducing various costs than those of the conventional one. The apparatus includes a concave curved reflector, a radiator arranged in a focal position of the reflector to perform at least one i of transmission of two linearly polarized waves toward a concave surface of the reflector and reception of the waves from the concave surface, the two linearly polarized waves being crossed orthogonally to each other, and a structural unit configured to support the radiator at the focal position. The unit includes a main body protruding from a rear surface of the reflector into a radiation space defined by the concave surface at a position on the concave surface, the position being apart from two linear polarization planes defined by the two linearly polarized waves.

No. of Pages: 37 No. of Claims: 6

(21) Application No.2158/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD OF EVALUATING THE CONFIDENCE OF MATCHING SIGNATURES OF A HYPERSPECTRAL IMAGE

(51) International classification	:G01J3/00	(71)Name of Applicant :
(31) Priority Document No	:13/588,574	1)GE Aviation Systems LLC
(32) Priority Date	:17/08/2012	Address of Applicant :3290 Patterson Avenue, SE, Grand
(33) Name of priority country	:U.S.A.	Rapids, Michigan 49512-1991, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEL AMO, Ana Isabel
(87) International Publication No	: NA	2)OCCHIPINTI, Benjamin Thomas
(61) Patent of Addition to Application Number	:NA	3)BUEHLER, Eric Daniel
Filing Date	:NA	4)KUCZYNSKI, Konrad Robert
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method of evaluating the confidence of matching signatures of a hyperspectral image of at least one tracked object, defined by pixels on an image sensor, to a hyperspectral image template in real time while tracking the at least one tracked object.

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

(21) Application No.2159/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIRCRAFT SYSTEM AND METHOD FOR EXCHANGING DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/596,642 :28/08/2012	
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# (57) Abstract:

An aircraft system (90) for exchanging data between an aircraft (10) having multiple aircraft systems (20) and an operator, includes a first near-field communication interface (40) located within the aircraft (10) and operably coupled to at least some of the multiple aircraft systems (20) and a handheld device (70) having a second near-field communication interface (78) and a method of securely transferring information between the first near-field communication interface (40) located within the aircraft (10) and the handheld device (70).

No. of Pages: 19 No. of Claims: 17

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CATALYTIC FILTER MODULE AND CATALYTIC FILTER SYSTEM COMPRISING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul> <li>Number</li> <li>Filing Date</li>	:F01N3/00,B01F5/00,B01D45/00 :12 180 891.9 :17/08/2012 :EUROPEAN UNION :NA :NA :NA	(71)Name of Applicant:  1)PALL CORPORATION  Address of Applicant: OF 25 HARBOR PARK DRIVE, PORT WASHINGTON, NEW YORK 11050, USA U.S.A. (72)Name of Inventor:  1)HEIDENREICH, STEFFEN
Filing Date		

#### (57) Abstract:

A catalytic filter module for gaseous fluids is proposed which may be incorporated with a high packing density in a filter system. The filter module comprises a block-shaped filter element, a catalytic element and a clean gas collecting and discharge arrangement. The catalytic element is substantially coextensive with the filter element, said filter element has a feed face and on its opposite side a discharge face from which filtrate exits to be received by the upstream face of the catalytic element. The gaseous fluid exits the catalytic element as clean gas at a clean gas face thereof opposite to the upstream face. The clean gas collecting and discharge arrangement comprises one or more channels extending across the whole clean gas face of the catalytic element deflecting and directing the clean gas flow transverse to the vertical of the clean gas face of the catalytic element to a clean gas discharge opening of the filter module at a side face thereof.

No. of Pages: 40 No. of Claims: 18

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: FILTER MODULE AND FILTER SYSTEM COMPRISING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	UNION :NA :NA : NA : NA :NA :NA :NA	(71)Name of Applicant:  1)PALL CORPORATION  Address of Applicant :OF 25 HARBOR PARK DRIVE, PORT WASHINGTON, NEW YORK 11050, USA U.S.A.  (72)Name of Inventor:  1)HEIDENREICH, STEFFEN
Filing Date	:NA	

#### (57) Abstract:

A filter module, especially for gas filtration purposes provides an improved | ratio of filter area per volume for the filter system comprising the filter module I and a high packing density in the filter system. The filter module comprises i one or more block-shaped units, each unit comprising a plurality of filter ele- I ments and clean gas ducts, and a clean gas collecting and discharge arrange- I ment at the discharge side of the block-shaped unit(s). The filter elements j have a longitudinal, porous tubular wall part having an open first end serving } as a raw gas inlet and a closed second end, wherein said filter elements are 1 arranged coextensive and in parallel orientation with their tubular wall parts, their open ends being all located on one side of the filter module serving as a feed side thereof. The clean gas ducts are substantially coextensive with, \oriented parallel to, and regularly interposed between the filter elements, the 1 clean gas ducts being open at one end forming a clean gas outlet and closed at their opposite end, whereas the closed ends of the clean gas ducts being located at the feed side of the filter module, and whereas their open ends are I located adjacent to a discharge side of the filter module opposite to the feed side of the filter module. The open ends of the filter elements and said closed ends of the clean gas ducts form a feed side surface of a block-shaped unit, and the open ends of the clean gas ducts and said closed ends of the filter elements form a discharge side surface of a block-shaped unit. The clean gas collecting and discharge arrangement extends across all of the clean gas outlets of the clean gas ducts of the one or more units, said clean gas collecting and discharge arrangement comprising one or more clean gas channels in fluid communication with said clean gas outlets of the clean gas ducts deflecting and directing the clean gas flow from the open ends of the clean gas ducts in a direction transverse to the vertical of the discharge side surface to a clean gas discharge opening of the filter module.

No. of Pages: 40 No. of Claims: 19

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention : PROCESS FOR THE ENZYMATIC SYNTHESIS OF (7S)-1-(3,4-DIMENTHOXYBICYCLO[4.2.0]ICTA-,3,5-TRIEN-7-YL) N-METHYL METHANAMINE, AND APPLICATION IN THE SYNTHESIS OF IVABRADINE AND SALTS THEREOF

:A61K31/00	(71)Name of Applicant :
:12/56913	1)LES LABORATORES SERVIER
:17/07/2012	Address of Applicant :35 RUE DE VERDUN 92284
:France	SURESNES CEDEX, FRANCE
:NA	(72)Name of Inventor:
:NA	1)SANDRINE PEDRAGOSA MOREAU
: NA	2)FRANCOIS LEFOULON
:NA	3)FRANCISCO MORIS VARAS
:NA	4)JAVIER GONZALEZ SABIN
:NA	
:NA	
	:12/56913 :17/07/2012 :France :NA :NA : NA :NA :NA

#### (57) Abstract:

Process for the enzymatic synthesis of the compound of formula (I), (7S)-I-(3,4-dimethoxybicyclo[ 4.2.0]octa-l,3,5-trien-7-yl) N-methyl methanamine: and application in the synthesis of ivabradine and addition salts thereof with a pharmaceutically acceptable acid.

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

(21) Application No.1904/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SHEET METAL ROCKER LEVER

(51) International classification :F01L (31) Priority Document No :10201 (32) Priority Date :27/06 (33) Name of priority country :Germ (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	12210918.8 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG 6/2012 Address of Applicant :INDUSTRIESTRAE 1-3 91074
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# (57) Abstract:

The invention relates to a sheet metal rocker lever for a valve drive mechanism of an internal combustion engine having a camshaft-side drive region and a valve-side output region for simultaneous actuation of a plurality of gas exchange valves of the internal combustion engine and a bearing region which is arranged between the drive region and output region, characterised in that the output region has a plurality of separate outputside lever components (1, 2, 8, 9) each for actuating a gasexchange valve.

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

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRICAL CABLE RESISTANT TO FIRE, WATER AND MECHANICAL STRESSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01L51/00 :MI2012A001178 :05/07/2012 :Italy :NA :NA : NA :NA :NA :NA	(71)Name of Applicant: 1)PRYSMIAN S.P.A. Address of Applicant:VIALE SARCA, 222-20126 MILANO ITALY (72)Name of Inventor: 1)ANTONIO SCAGLIONE 2)CARLO SOCCAL 3)ALESSANDRO MAZZUCATO 4)RICCARDO BUCCI
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# (57) Abstract:

What is described is an electrical cable comprising at least one conductor and a barr,ier arranged externally to the at least one conductor. The barrier comprises two first layers comprising an inorganic material and a second layer comprising a polymer-metal composite material, the second layer being interposed between the two first layers. The electrical cable also comprises, in an intermediate position between the at least one conductor and the barrier, solely discontinuous layers and/or layers of non-thermally-collapsible materials.

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

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR MONITORING MACHINES WITH ROTATING SHAFTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:D21F1/00,H02K3/00 :12177906.0 :25/07/2012 :EUROPEAN UNION :NA :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)HOBELSBERGER MAXIMILIAN  2)HAFFNER KEN YVES 3)LAPRAIS ETIENNE LOUIS 4)BROCH PETER
- 1,0,000	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method for detecting rubbing and/or contact points on a machine with a rotating part, wherein the latter forms an electrical coaxial system together with the stationary part of the machine, in which system electrical voltage signals are propagated between the rotating and the stationary part at passage times, short electrical voltage pulses and/or continuous alternating voltage signals being applied at at least one location of the machine between the rotating part and the stationary part at a suitable point, a point of electrical discontinuity in the path of propagation being active between the rotating and the stationary part at a rubbing and/or contact point, and passage time measurements being performed in order to locate this rubbing and/or contact point.

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

(21) Application No.2168/DEL/2013 A

(19) INDIA

(22) Date of filing of Application: 19/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TURBINE ROTOR BLADE ROOT ATTACHMENTS

(51) International classification	:F01D5/00	(71)Name of Applicant :
(31) Priority Document No	:12178375.7	1)ALSTOM TECHNOLOGY LTD.
(32) Priority Date	:27/07/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(22) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)BUGUIN, ARNAUD
Filing Date	:NA	2)FLOCH, MICHEL
(87) International Publication No	: NA	3)LEMAIRE, JULIEN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pinned root fixing arrangement of axial flow steam turbine rotor discs made of a low alloy that is less susceptible to stress corrosion cracking (SCC). Such an arrangement has a first ratio, which is defined as ratio of the axial breadth of the disc fingers and the sum of the axial breadth and the axial breadth G of the gap between adjacent disc fingers, in the range of about 0.4 to about 0.6 and further has a second ratio, which is defined as the ratio of the length of the disc fingers and the blade fingers to the diameter, between 4 and 6.

No. of Pages: 13 No. of Claims: 3

(21) Application No.2222/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: BATTERY DEVICE

(51) International classification :F16F1/00,H02K5/00,H02M7/00 (71)Name of Applicant :

(31) Priority Document No :102012108762.8

(32) Priority Date :18/09/2012 (33) Name of priority country :Germany

(86) International Application No:NA

Filing Date

(87) International Publication No: NA (61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT

Address of Applicant : PORSCHEPLATZ 1, 70435

STUTTGART, GERMANY

(72)Name of Inventor:

1)TIM SCHMIDT

2)DIETMAR LUZ

3)NIKOLAI HENGER

4) JEREMY CURNOW

#### (57) Abstract:

The present invention relates to a battery device having at least two interconnected battery modules and having at least one cooling plate, which is arranged between two battery modules, for cooling the battery modules. Here, it is essential to the invention that a housing which encases the battery device is provided with a frame structure, wherein the at least one cooling plate is traversed by a flow of fluid and is formed from two metal layers which are connected to one another, and wherein the at least one cooling plate is fixedly connected at least by way of its end sides to the frame structure and stiffens the latter. In this way, it is possible to provide a battery device which exhibits high power and which is robust.

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

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLLING THE SUPPLY OF GASEOUS FUEL IN BI-FUEL ENGINES.

(51) International classification	:F02D19/00	(71)Name of Applicant:
(31) Priority Document No	:1301001109	1)PTT PUBLIC COMPANY LIMITED
(32) Priority Date	:05/03/2013	Address of Applicant :555 VIBHAVADI RUNGSIT ROAD,
(33) Name of priority country	:Thailand	CHATUJAK BANGKOK 10900 THAILAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KIETSAKUL WATCHARINYANON
(87) International Publication No	: NA	2)NIROD AKARAPANJAVIT
(61) Patent of Addition to Application Number	:NA	3)TANES SRETAININD
Filing Date	:NA	4)KRIANGKRAI CHIRAKAWIKUL
(62) Divisional to Application Number	:NA	5)PAKASIT MONNUM
Filing Date	:NA	6)CHAIWAT PARNPAEW

#### (57) Abstract:

A system and a method for controlling the supply of gaseous fuel in a bi-fuel port-injection spark-ignition internal combustion engine are disclosed. The system comprises a bases ECU receiving signals indievative (sl)of engine operating staus from sensors, and generating a signal indicative of a gasoline injection time (SIGIT) to a secondary ECU and a gasoline injector; and a secondary ECU which receives an SI of a gaseous-fuel pressure in a storage tank, engine operating status from sensors and the (SIGFIT) to a gaseous fuel injector. The system is characterized in the secondary ECU is programmed to perform a control of the supply of gaseous fuel to the engine by a method that enables the engine to give a consistent power over variation in combustion property of the gaseous fuel being supplied to the engine. The method includes comparing between the value of the SIGIT while the engine uses gaseous fuel and the value of the SIGIT while using gasoline at a reference operating condition adjusting te (SIGFIT) such that the value of SIGIT while the engine uses the gaseous fuel equivalent to the value of the SIGIT while the engine uses gasoline at a reference operating conditions and calculating gaseous-fuel injection time for the gaseous-fuel injector.

No. of Pages: 28 No. of Claims: 38

(21) Application No.2166/DEL/2013 A

(19) INDIA

(22) Date of filing of Application: 19/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention : AUTOMATIC MACHINE FOR INTRODUCTION OF POLYETHYLENE BAG (LINER) INTO A RAFFIA BAG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:1991/DEL/2013 :04/07/2012 :India :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)VITRA IND. TRADE AND MACHINERY RAFIA LTD Address of Applicant: ANTONIO VERISSIMO DA SILVEIRA STREET, 2270, PORTO DOS PEREIRAS, 95780 000, BRAZIL (72)Name of Inventor: 1)BRUNDO, DUARTE COSTA AZEVEDO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Automatic machine of introduction of polyethylene bag (liner) into a raffia bag, comprising a car (1) for movement of the system, and such car contains a movement system in the Y coordinate through a rack (2); and the liner bag (3) enters directly in the liner table (4) which is positioned below two multi-pierced stainless steel tubes (5) and responsible for establishing the vacuum that holds the liner bag (3), allowing its automatic insertion in the raffia bag (6). In the same direction of the liner table (4) there is the suction table (7) where the raffia bag reaches (6) shifting in the coordinate X, and the raffia bag (6) is held to the suction table (7) through a multiplicity of holes (8) similar to the holes of the multi-pierced tubes (5).

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

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ROLLING CONTROL APPARATUS, PLANT CONTROL APPARATUS AND ROLLING CONTROL METHOD

(86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (88) International Application No Filing Date  (89) International Publication No Filing Date  (80) Divisional to Application Number Filing Date  (80) Divisional to Application Number Filing Date  (81) HATTORI SATOSHI  2) FUKUCHI YUTAKA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:2012- 169988	(71)Name of Applicant:  1)HITACHI, LTD  Address of Applicant:6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN (72)Name of Inventor:
Filing Date :NA (62) Divisional to Application Number :NA	Filing Date	:NA	
	Filing Date (62) Divisional to Application Number	:NA :NA	

#### (57) Abstract:

Even if a control gain is large, an oscillation of control in which a rolling mill speed is used as an actuator such as tension control or the like is suppressed. In a rolling mill control apparatus for controlling a tandem mill which rolls a roll material (8) by a plurality of pairs of rolls: rotational speeds of the roll arranged on the upstream side between the adjacent rolls and the roll arranged on the further upstream side are controlled on the basis of a deviation of state amounts which are measured between the adjacent rolls; an oscillation of the state amounts measured between the adjacent rolls is detected; and control responses in the control of the rotational speeds of the roll arranged on the upstream side in the adjacent rolls between the rolls in which the oscillation has been detected and the roll arranged on the further upstream side are changed.

No. of Pages: 43 No. of Claims: 8

(22) Date of filing of Application :29/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : REFRIGERATION CYCLE APPARATUS AND REFRIGERATION UNIT AND AIR-CONDITIONING SYSTEM EQUIPPED WITH THE REFRIFERATION CYCLE APPARATUS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F25B13/00,F25B9/00 :2012-172467 :03/08/2012 :Japan	(71)Name of Applicant: 1)HITACHI APPLIANCES, INC. Address of Applicant:16-1, KAIGAN 1-CHOME, MINATO-KU, TOKYO 105-0022, JAPAN
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:NA :NA : NA :NA	(72)Name of Inventor: 1)UCHIDA MARI 2)SEKIYA SACHIO 3)KUSUMOTO HIROSHI
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	4)ISHIKI YOSHIKAZU 5)ITAGAKI TSUNAYUKI

#### (57) Abstract:

A refrigeration cycle apparatus includes: a compressor; a fan for heat source-side heat exchangers; multiple heat source-side heat exchangers which exchange heat with air and are divided in the direction of height and grouped from a position close to the fan, including heat exchanger groups; an expansion valve; a use-side heat exchanger which exchanges heat with a use-side heat conveying medium; a refrigerant pipe which sequentially connects the compressor, heat source-side heat exchangers, expansion valve, and use-side heat exchanger and circulates refrigerant; and a controller which controls the quantity of refrigerant flowing into each of the heat exchanger groups according to a load factor. As a result, the following can be implemented when the wind speed distribution of the heat source-side heat exchangers is ununiform in the vertical direction: even in part load operation in which capacity requirement varies, refrigerant can be more appropriately distributed to the heat source-side heat exchangers and the period coefficient of performance (COP) for a refrigeration cycle apparatus can be enhanced.

No. of Pages: 40 No. of Claims: 12

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SUPERCHARGED INTERNAL COMBUSTION ENGINE WITH CHARGE-AIR COOLING AND MEHTOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE OF SAID TYPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F25B, F02B :102012209893.3 :13/06/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)FORD GLOBAL TECHNOLOGIES, LLC Address of Applicant: SUITE 800, 330 TOWN CENTER DRIVE, DEARBORN MICHIGAN 48126, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)BRINKMANN, BERND 2)KAUFELD, HARALD
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#### (57) Abstract:

The invention relates to a supercharged internal combustion engine (1) having at least one cylinder head with at least one cylinder (2), in which - each cylinder (2) has at least one outlet opening which is adjoined by an exhaust line for discharging the exhaust gases via an exhaust-gas discharge system (4), and - each cylinder (2) has at least one inlet opening which is adjoined by an intake line for supplying charge air via an intake system (3), wherein in the intake system (3) there is provided at least one compressor (5a) for compressing the charge air and a charge-air cooler (6) for cooling the charge air. The invention also relates to a method for operating an internal combustion engine (I) of said type. It is sought to provide an internal combustion engine (I) of the stated type which is optimized with regard to the charge-air cooling arrangement (6). This is achieved by means of an internal combustion engine (I) wherein, - the charge-air cooler (6) is a first refrigerant evaporator (8) through which a refrigerant and the charge air can flow and which, by at least partial evaporation of the refrigerant, cools the charge air before it enters the at least one compressor (5a).

No. of Pages: 21 No. of Claims: 17

(21) Application No.2110/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PASTEURIZATION TUNNEL AND PASTEURIZATION METHOD FOR BEVERAGE PACKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:A23L3/00 :102012212873.5 :23/07/2012 :Germany :NA :NA : NA : NA	(71)Name of Applicant: 1)KRONES AG Address of Applicant:BOHMERWALDSTR. 5 93073 NEUTRAUBLING GERMANY (72)Name of Inventor: 1)HANS-JOACHIM KRAUSE
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

Pasteurization tunnel and pasteurization method for beverage packs A pasteurization tunnel and a method for pasteurizing beverage packs are described, wherein the beverage packs are conveyed on at least two decks lying one upon the other and sprayed with a heated spraying liquid from spraying pipes extending each transversely to the conveying direction of the beverage packs. According to the invention, the spraying liquid is guided through the spraying pipes of the one deck into the spraying pipes of the other deck. Thereby, the maintenance efforts for removing deposits in sections of the spraying pipes where the flow is weak can be reduced.

No. of Pages: 16 No. of Claims: 15

(21) Application No.2172/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CAPRYLATE VIRAL DEACTIVATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61L2/00 :61/681,365 :09/08/2012 :U.S.A. :NA :NA	Address of Applicant : C/JESUS Y MARIA, 6, 08022 BARCELONA-SPAIN Spain (72)Name of Inventor: 1)BURNS, DOUG
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)ROTH, NATHAN 3)HOTTA JOANN 4)LEBING, WYTOLD

(57) Abstract:

Described herein are methods for inactivating viruses using caprylate in solutions containing albumin.

No. of Pages: 31 No. of Claims: 28

(21) Application No.2230/DEL/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention : SEMICONDUCTOR DEVICE AND METHOD FOR REDUCED BIAS TEMPERATURE INSTABILITY (BTI) IN SILICON CARBIDE DEVICES

### (57) Abstract:

A system includes a silicon carbide (SiC) semiconductor device and a hermetically sealed packaging enclosing the SiC semiconductor device. The hermetically sealed packaging is configured to maintain a particular atmosphere near the SiC semiconductor device. Further, the particular atmosphere limits a shift in a threshold voltage of the SiC semiconductor device to less than 1 V during operation.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: END CAP AND A MANUFACTURING METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H02K7/00,F21V33/00, :101128080 :03/08/2012 :Taiwan :NA :NA	(71)Name of Applicant:  1)Justing Technology (Taiwan) Pte. Ltd.  Address of Applicant:6F., No.602, Zhongzheng Rd., Zhongli City, Taoyuan County 32047, Taiwan, R.O.C. Taiwan  2)Justing Technology Pte. Ltd. (72)Name of Inventor:  1)Chia-Ching SU
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)Chih-Yuan YEN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An end cap 30 includes a body 31 and a conductive terminal 32 formed integrally with the body 31 by injection molding. The body 31 includes an inner annular wall 33 to assemble with a lamp tube 21, the conductive terminal 32 includes two electric connecting units 321 and a pole-like conducting unit 322 being in the inner annular wall 33 and containing a longitudinal through-hole 324. Each electric connecting unit 321 and the pole-like conducting unit 322 are connected together by a joining unit 323 and each electric connecting unit 321 is extended out of the body 31 from a joining unit 323. By inserting the end cap terminal, electricity is conducted by contact to transmit electric energy, forming a structure that can be assembled easily, and an electric connector thereof can rotate by 360 degrees to adjust an angle of irradiation.

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

(21) Application No.2094/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXHAUST HEAT RECOVERY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01P7/00 :2012- 176351 :08/08/2012 :Japan :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant:300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN Japan (72)Name of Inventor:  1)SHINOHARA RYUTARO
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#### (57) Abstract:

An exhaust heat recovery device includes: an inner tube section in which coolant flows; an intermediate tube section disposed outside the inner tube section at a prescribed interval therefrom to form a heat recovery channel between the intermediate tube section and the inner tube section so as to recover heat of introduced exhaust to the coolant; an outer tube section disposed outside the intermediate tube section at a prescribed interval therefrom to form a bypass channel between the outer tube section and the intermediate tube section so that the bypassed exhaust flows in the bypass channel; and an exhaust valve disposed at an upstream end in a flow direction of the exhaust in the intermediate tube section to switch flow of the exhaust between the heat recovery channel and the bypass channel.

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VISUAL COMMUNICATIONS SYSTEM EMPLOYING VIDEO IMAGERY

(51) International classification	n:H04N7/00,B60R16/00,G01S17/00	(71)Name of Applicant:
	:61/742,081	1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	:01/08/2012	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868 NHQ1-719, NASHUA,
(86) International Application	:NA	NH 03061-0868, UNITED STATES OF AMERICA U.S.A.
No	:NA	(72)Name of Inventor:
Filing Date	.1121	1)KUZDEBA, SCOTT A.
(87) International Publication	: NA	2)HOMBS, BRANDON P.
No		3)WYGLINSKI, ALEXANDER M.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A system and method for platform independent LOS visual information transmission is disclosed. A transmitter consists of a series of sequential images that are stacked together to form frames in a video transmission. Each image is modulated spatially, by color, and by intensity. The data is transmitted over an LOS visual channel. The receiver first captures each individual image from the received video, and then demodulates each image in the three areas it was modulated spatially, by color, and by intensity. LOS visual information transmission allows for secure data transfer and reduces interference from other applications.

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

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SEALING STRUCTURE IN STEAM TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01D5/00 :2012- 172173 :02/08/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant:1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN (72)Name of Inventor:  1)OKUNO KENICHI 2)IWASAKI YOSHIFUMI 3)MURATA YORIHARU 4)HIRANO TOSHIO 5)MURAKAMI ITARU 6)OHASHI SHINICHIRO
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#### (57) Abstract:

According to an embodiment, a rotor blade cover section is integrated with the rotor blades at leading ends thereof. A plurality of sealing fins is disposed at the rotor blade cover section, the sealing fins forming a predetermined clearance relative to an inner peripheral portion of the nozzle outer ring. An annular solid particle trapping space is disposed at the inner peripheral portion of the nozzle outer ring, the solid particle trapping space communicating with an inlet of a steam leak and trapping solid particles that flow in with steam. In the sealing structure, the nozzle outer ring has a through hole through which the solid particles are to be discharged from the solid particle trapping space toward a downstream stage of the steam turbine.

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STEAM TURBINE, AND STEAM. TURBINE STATIONARY BLADE

(51) International classification	:F01D5/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI, LTD
(31) Thomas Bocument No	167902	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:30/07/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAKANO SUSUMU
Filing Date	:NA	2)MIZUMI SHUNSUKE
(87) International Publication No	: NA	3)KUDO TAKESHI
(61) Patent of Addition to Application Number	:NA	4)SAKAKIBARA KAZUYA
Filing Date	:NA	5)ISHIBASHI KOJI
(62) Divisional to Application Number	:NA	6)MATSUDA MASAKI
Filing Date	:NA	

#### (57) Abstract:

The present invention is a steam turbine comprising a turbine stage having a stationary blade 1 and a moving blade 2 provided on the downstream side of the stationary blade in a working fluid flow direction, wherein the stationary blade 1 is formed in a hollow blade shape by deformation processing a metal plate, and wherein a slit 24 to guide liquid droplets deposited on a blade wall surface to thein side of the blade is formed in the blade wall by overlaying an airfoil suction-side metal plate and an airfoil pressure-side metal plate with a gap there between in a blade tail part 8 of the stationary blade 1.

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

(21) Application No.2289/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: WHEEL SUPPORT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:Germany :NA :NA : NA :NA	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMAY (72)Name of Inventor: 1)VILEM TOMAN
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a wheel support (I), in particular for a wheel suspension system of a motor vehicle, having a main body (3), the main body being of at least partially hollow configuration. The invention also relates to a casting core (2) in this regard.

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

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR BRAKING A WIND TURBINE ROTOR AT AN OVERSPEED CONDITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:F03D7/00 :13/587,133 :16/08/2012 :U.S.A. :NA :NA :NA	'
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A system and method for braking a wind turbine includes monitoring rotation of the wind turbine generator rotor. A braking torque is applied to reduce the rotational speed of the rotor at a first setpoint rotational speed. The braking torque is proportionally increased as the rotational speed of the rotor increases beyond the first detected setpoint rotational speed up to a maximum braking torque.

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

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: USE OF AN INERT GRAPHITE LAYER IN A BACK CONTACT OF A PHOTOVOLTAIC CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01L31/00 :13/601022 :31/08/2012 :U.S.A. :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)PrimeStar Solar, Inc.</li> <li>Address of Applicant: 14401 West 65th Way, Unit B Arvada,</li> <li>Colorado 80004, U.S.A U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)CLARK, Laura Anne</li> <li>2)LUCAS, Tammy Jane</li> <li>3)METZGER, Wyatt Keith</li> </ul>
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#### (57) Abstract:

Photovoltaic devices are provided that include a transparent superstrate; a transparent conductive oxide on the transparent superstrate; an n-type window layer on the transparent superstrate; a p-type absorber layer on the n-type window layer; and an inert conductive paste layer on the back surface of the p-type absorber layer. The p-type absorber layer includes cadmium telluride, and defines a back surface positioned opposite from the n-type window layer that is tellurium enriched. The inert conductive paste layer is substantially free from an acid or acid generator. Methods are also generally provided of forming such a back contact.

No. of Pages: 22 No. of Claims: 19

(21) Application No.2261/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : STORAGE AND RETRIEVAL OF SENSOR DATA AND COMPUTED PARAMETERS FOR USE IN CONDITION BASED MAINTENANCE SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No         <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number         <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA : NA :NA :NA	(71)Name of Applicant:  1)GE Aviation Systems LLC Address of Applicant: 3290 Patterson Avenue, SE, Grand Rapids, Michigan 49512-1991, USA U.S.A. (72)Name of Inventor: 1)SYKES, Benjamin James
Filing Date	:NA	

<sup>(57)</sup> Abstract:

A system and method for storing and accessing data (15) in an embedded system (13) of an aircraft extracts (8) identifiers (9) from headers in stored data (5), and stores (11) the identifiers (9) in a separately indexable array (14).

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

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PHOTOVOLTAIC DEVICES

		(71)Name of Applicant :
(51) International classification	:H01L31/00	1)General Electric Company
(31) Priority Document No	:13/601162	Address of Applicant :1 River Road, Schenectady, New York
(32) Priority Date	:31/08/2012	12345, U.S.A U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)FOUST, Donald Franklin
Filing Date	:NA	2)CAO, Hongbo
(87) International Publication No	: NA	3)CLARK, Laura Anne
(61) Patent of Addition to Application Number	:NA	4)GARBER, Robert Andrew
Filing Date	:NA	5)FELDMAN-PEABODY, Scott Daniel
(62) Divisional to Application Number	:NA	6)METZGER, Wyatt Keith
Filing Date	:NA	7)SHAN, Yinghui
		8)SHUBA, Roman

## (57) Abstract:

Photovoltaic devices are presented. A photovoltaic device includes a window layer and a semiconductor layer including a semiconductor material disposed on window layer. The semiconductor layer includes a first region and a second region, the first region disposed proximate to the window layer, and the second region including a chalcogen-rich region, wherein the first region and the second region include a dopant, and an average atomic concentration of the dopant in the second region is greater than an average atomic concentration of the dopant in the first region.

No. of Pages: 69 No. of Claims: 18

(22) Date of filing of Application :25/04/2006 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CAPSAICIN RECEPTOR AGONISTS

(31) Priority Document No (32) Priority Date (33) Name of priority country (34) Name of priority country (35) Name of priority country	(71)Name of Applicant:  1)NEUROGEN CORPORATION Address of Applicant: 35 Northeast Industrial Road, Branford, CT 06405 (USA), U.S.A. (72)Name of Inventor: 1)RAJAGOPAL BAKTHAVATCHALAM, 2)CHARLES, A. BLUM, 3)HARRY BRIELMANN, 4)TIMOTHY, M. CALDWELL, 5)DANIEL, N. CORTRIGHT, 6)KEVIN, J. HODGETTS, 7)JOHN, M. PETERSON, 8)XIAOZHANG, ZHENG,
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# (57) Abstract:

This invention relates generally to agonists of capsaicin receptors, and to the use of such compounds for treating conditions related to capsaicin receptor activation. The invention further relates to the use such compounds as probes for detecting and localizing capsaicin receptors.

No. of Pages: 87 No. of Claims: 62

(21) Application No.2311/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STREAMER COATING DEVICE AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/679,141 :03/08/2012	· ·
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## (57) Abstract:

Method and device (200) for cleaning a marine seismic equipment (202). The device (200) includes a body (204), a propulsion system (206, 220) for moving along the streamer, a cleaning device (308) for cleaning the equipment, and a control device (350) for controlling a movement of the device.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : AN IMPROVED COMPOSITION FOR ANTIREFLECTIVE COATING WITH IMPROVED MECHANICAL PROPERTIES AND A PROCESS OF COATING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA :NA	(71)Name of Applicant: 1)INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS (ARCI)
(86) International Application No Filing Date	:NA :NA	Address of Applicant :PLOT NO-102, SECTOR-44 GURGAON-122003, HARYANA, INDIA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAGHAVAN SUBASRI
Filing Date	:NA	2)PAVITHRA SIVAPRAKASAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to antireflective coating compositions for coating deposition on glass and transparent plastics, a process for preparing the same and a process of coating using the said composition. The composition of the present invention is particularly useful for coating glass substrates such as borosilicate glass (plain/patterned), soda lime glass, fused silica glass and transparent plastics such as polycarbonate, polymethylmethacrylate and polyethylene terphthalate. The process comprises synthesis of an improved composition of MF2 (M=Mg/Ca) and zeolite, coating deposition of the improved composition as a single layer on any transparent plastic substrate like polycarbonate, soda lime glass or borosilicate glass (plain/patterned) employing withdrawal speeds from 0.5 mm/s-10 mm/s, followed by conventional heat treatment at 130°C (in case of polycarbonate) or 450°C (in case of glass) and short exposure to microwaves in boiling water for 5-25 minutes. The resultant antireflection coating exhibits low reflectance and very good scratch resistance.

No. of Pages: 30 No. of Claims: 23

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MODIFIED GLENOID COMPONENTS AND METHODS OF INSTALLING SAME

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/665,633 :28/06/2012	
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#### (57) Abstract:

A glenoid component for securement to a glenoid surface of a scapula comprises a body portion having a first surface adapted to contact the glenoid surface of a scapula and a second surface configured to receive the head portion of a humerus. The glenoid component further includes an anchor peg for penetrating the glenoid surface of the scapula so as to secure the body portion to the glenoid surface of the scapula. The anchor I peg includes a cylindrical shaft extending from the first surface of the body portion and a fin secured to and extending outwardly from the cylindrical shaft. The glenoid component further includes a feature that prevents rotation of the glenoid component.

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

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SHIFT DEVICE FOR MANUAL TRANSMISSION GEAR BOX

(51) International classification	:F16H61/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 172810	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:03/08/2012	Hamamatsu-shi, Shizuoka-Ken, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Hiroshi SUZUKI
Filing Date	:NA	
(87) 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) 41		<u> </u>

#### (57) Abstract:

A shift device for a manual transmission gear box capable of returning the shift and select shaft to a neutral position by a simple structure, and capable of freely setting an operational load of the shift and select shaft is provided. A cam surface of a cam 18 for giving an operational load to a shift and select shaft 3 as a moving body 19 is pressed against it has: axial direction uphill surface regions 22 in which a distance from the axis of the shift and select shaft 3 increases from an axial direction neutral position toward each one of two oppositely facing axial direction end portions (in a select direction); rotational direction uphill surface regions 23 in which the distance from the axis of the shift and select shaft 3 increases from a rotational direction neutral position toward each one of two oppositely facing rotational direction end portions (in a shift direction); and a rotational direction downhill surface regions 24 that are continuous from the rotational direction uphill surface regions 23 and in which the distance from the axis of the shift and select shaft 3 decreases from borders with the rotational direction uphill surface regions toward each one of two oppositely facing rotational direction end portions (in the shift direction). For this reason, at a time of the select operation, the operational load to be given at a time of the shift operation can be set freely, and it can be returned to a neutral position that becomes a recess of neighboring uphill surface regions.

No. of Pages: 29 No. of Claims: 4

(21) Application No.2072/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PURIFICATION OF CELL CULTURE DERIVED ALPHA1 PROTEASE INHIBITOR

(51) International classification	:C12N9/00	(71)Name of Applicant :
(31) Priority Document No	:61/675,560	1)GRIFOLS, S.A.
(32) Priority Date	:25/07/2012	Address of Applicant : C/JESUS Y MARIA, 6, 08022-
(33) Name of priority country	:U.S.A.	BARCELONA, SPAIN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)OWNBY DAVID
(87) International Publication No	: NA	2)ZIMMERMAN THOMAS P.
(61) Patent of Addition to Application Number	:NA	3)HUNT JENNIFER A.
Filing Date	:NA	4)MILLER CHARLES
(62) Divisional to Application Number	:NA	5)RANGANATHAN SENTHIL
Filing Date	:NA	6)DESSOURCES TONY

# (57) Abstract:

Described herein are methods for purifying recombinant, cell culture derived alpharprotease inhibitor and removing a colored species that co-purifies with the recAlPI protein. Also described are methods for reducing the iron in cell culture derived alphai-protease inhibitor.

No. of Pages: 55 No. of Claims: 57

(21) Application No.2073/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHODS FOR DETERMINING SUITABLE WAYPOINT LOCATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:13/601,036 :31/08/2012 :U.S.A. :NA :NA : NA : NA	Address of Applicant :3290 Patterson Avenue, SE Grand Rapids, Michigan 49512-1991, USA U.S.A. (72)Name of Inventor:  1)KOLBE, Dashiell Matthews 2)LOYAL, Brian Jacob 3)SUGIMOTO, Philip Dewing
Filing Date	:NA	4)CONRARDY, Peter Jacob
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Methods for determining suitable locations for placement of one or more flight plan waypoints for an aircraft within a volume of space. Such methods may include reducing the volume of space to be analyzed and analyzing the reduced volume of the volume of space for suitable waypoint locations according to predetermined suitability criteria.

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

(19) INDIA

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

(21) Application No.2331/DEL/2013 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: RA-ENGINE (6 STROKE)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA	(71)Name of Applicant: 1)ASHWNI KUMAR Address of Applicant:106, VIJAY COLONY, P/O MILLAP NAGAR, ROORKEE, UTTRAKHAND. Uttar Pradesh India (72)Name of Inventor: 1)ASHWNI KUMAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

FIFTH STROKE OF RA-ENGINE WILL STARTS DUE TO MIXTURE OF WATER AND FRESH AIR IS INJECTED INTO CYLINDER AFTER EXHAUST STROKE COMPLETES, AND IS QUICKLY SUPERHEATED TO EXPAND ITS VOLUME AND FORCES THE PISTON FOR ANOTHER STROKE. SYMENTANOUSLY AT EXHAUST STROKE, EXHAUSTED GAS WILL RESERVE IN EXHAUST RESERVOIR. AT THE POSITION OF (BDC), BOTTOM PORT VALVE OPENS AND EXHAUST RESERVOIR WILL DISCHARGE RESERVE EXHAUSTED GAS AT HIGH PRESSURE. SO PISTON MOVES (BDC) TO (TDC). THUS SIX-STROKE ENGINE WILL COMPLETE FULL THREE CYCLES. IN 4 STROKE ENGINES, THE POWER STROKE OR EXPENSION STROKE HAVE MAXMIUM POWER AND REMAIN THREE STROKES HAVE TORQUE POWER TO PERFORM THERE FUNCTION PRODUCED BY EXPENSION STROKE. BUT IN RA-ENGINE, SUCTION, COMPRESSION AND EXPNSION HAVE THERE OWN CAPACTIVE POWER WITH TWO STROKES. DUE TO THIS ADVANTAGE, MORE COMPRESSION RATIO WILL GENERATE AND MORE POWER WILL PRODUCE. NOW WE CAN EXPAND EFFICIENCY BY REDUCING CUBIC-CENTIMETER OF CYLINDER. AND ALSO DUE TO 6 STROKE, 40 % EFFICIENCY WILL GAIN BY RAENGINE. WE CAN ALSO INCREASE PRESSURE IN CYLINDER BY ADJUSTING PRESSURE IN EXHAUST RESERVOIR.

No. of Pages: 5 No. of Claims: 9

(22) Date of filing of Application :06/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONTROL DEVICE FOR AUTOMATIC TRANSMISSION

(51) International classification	·G11C 7/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 153249	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:09/07/2012	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SUZUKI, Kazuhiko
Filing Date	:NA	2)YAGI, Shoji
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided a control device for an automatic transmission configured to automatically shift a transmission of a driving force of a motor in response to a driving state. The automatic transmission includes a synchromesh mechanism configured to couple gear pairs and a rotary shaft to transmit the driving force of the motor to the gear pairs and a switching apparatus configured to switch a coupling state of the gear pairs and the rotary shaft. A preload control unit is configured to operate the switching apparatus to apply a preload to the synchromesh mechanism when a shift transmission request is detected. A shift control unit is configured to operate the switching apparatus to apply a shift load greater than the preload to the synchromesh mechanism after the preload is applied to the synchromesh mechanism.

No. of Pages: 30 No. of Claims: 4

(21) Application No.2334/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ICE TRAY FOR A REFRIGERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC., Address of Applicant: 20 YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721, REPUBLIC OF KOREA (72)Name of Inventor: 1)NAVEEN KUMAR JAIN 2)RAJESH KIRAN KAREDLA
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	3)ABHISHEK VINAYAK SHETYE

## (57) Abstract:

The present invention relates to an ice tray, more particularly to an ice tray provided with a detachable and flexible separator for easy removal of ice. The ice tray comprises a metallic tray and a detachable flexible separator; wherein the said metallic tray has been coated with a water-repellant material so as to avoid the sticking of ice with the tray. The detachable flexible separator comprises of side walls complimenting the inside of the four side walls of the ice tray for easy extraction of ice. The detachable flexible separator is made of a material which is inert, flexible, stable at low temperatures, and does not adhere strongly to ice and other frozen materials.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AUTOLOGOUS CELL TRANSPLANT KIT FOR VITILIGO TREATMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K :NA :NA :NA	(71)Name of Applicant:  1)Dr Parsad Davinder  Address of Applicant: H No 1021 FF, Sector 40 B  Chandigarh. Chandigarh India
(86) International Application No Filing Date	:NA :NA	<ul><li>(72)Name of Inventor :</li><li>1)Dr Parsad Davinder</li></ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	2)Dr. Ravinder Kumar
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The present invention discloses a kit for the preparation of Non-cultured epidermal cell suspensions (NCECS) for treatment of vitiligo. The kit of the present invention enables preparation of NCECS in a simple manner, without the need of any laboratory facilities. The kit comprises only six components viz. two containers for liquids (containing Phosphate Buffered Saline and trypsin solution respectively), forceps pair, one petri dish with 4 compartments and one disposable syringe along with an instruction manual regarding method of use of the kit. In a preferred embodiment, the kit may contain an additional container, either for honey or a component which acts as scaffold thus promoting faster healing e.g. microspheres of PLGA (Poly (lactic-co-glycolic) acid).

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

(22) Date of filing of Application :29/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PYRAZOLE-SYNTHESIS BY COUPLING OF CARBOXYLIC ACID DERIVATIVES AND ENAMINES

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)WESTFALISCHE WILHELMS UNIVERSIAT
(51) Thomas Boundary	100 961.9	MUNSTER
(32) Priority Date	:06/02/2012	Address of Applicant :SCHLOSSPLATZ 2, 48149
(33) Name of priority country	:Germany	MUNSTER, GERMANY,
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GLORIUS, FRANK
(87) International Publication No	: NA	2)SURI, MAMTA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention describes a novel method of synthesizing Pyrazoles by means of the oxidative conversion of Enarnines with suitable N-containing carboxylic acid derivatives in the presence of copper ions and 2-picolinic acid derivatives.

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

(22) Date of filing of Application :13/04/2010 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TRUNCATED SECRETORY ASPARTYL PROTEINASE 2

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C12N 9/60 :07018420.5 :19/09/2007 :EPO :PCT/EP2008/007920	
(33) Name of priority country	:EPO	Ittigen/Bern Switzerland
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:PC1/EP2008/00/920 :19/09/2008 : NA :NA :NA	2)ISTITUTO SUPERIORE DI SANTI (72)Name of Inventor : 1)ZURBRIGGEN Rinaldo 2)DE BERNARDIS Flavia 3)CASSONE Antonio 4)RASI Silvia
Filing Date	:NA	

(21) Application No.2550/DELNP/2010 A

## (57) Abstract:

(19) INDIA

The present invention relates to a truncated form of the secretory aspartyl proteinase 2 (Sap2.), as well as to nucleic acid molecules encoding same. This truncated Sap2 polypeptide (tSap2) is surprisingly stable and devoid of enzymatic activity but retains full immunogenicity upon intravaginal administration and confers full protection against intravaginal challenge by the Candida fungus. The present invention further relates to compositions comprising tSap2 and to the use of tSap2 in the preparation of such compositions.

No. of Pages: 56 No. of Claims: 26

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: THYRISTOR-BASED, DUAL-POLARITY BLOCKING PHOTO-CONDUCTIVE SEMICONDUCTOR SWITCH (PCSS) FOR SHORT PULSE SWITCHING AND METHODS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/674,421	(71)Name of Applicant:  1)BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRATION INC.  Address of Applicant: P.O. BOX 868, NHQ1-719, NASHUA, NH 03061-0868, UNITED STATES OF AMERICA. U.S.A. (72)Name of Inventor:  1)SHEU, YEUAN-MING
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#### (57) Abstract:

A system and method utilizing thyristor-based Photo-Conductive Semiconductor Switches (PCSS) for short pulse switching in high power microwave andlor broadband electromagnetic pulse generation is disclosed. The PCSS consists of thyristor-type NPNP structure having multiple emitter regions enclosed by the base region and multiple emitter shorts to divert leakage currents for voltage holding. The PCSS also includes an optical aperture comprised of patterned metallic grids for light illumination and current collection. The device structure is so constructed that there is only one single bevel around is the peripheral. The thyristor-based PCSS have dual polarities of voltage blocking and have better efficiency for light requirement to operate at longer pulse duration compared to diodebased and bulk-semiconductor-based PCSS.

No. of Pages: 18 No. of Claims: 10

(22) Date of filing of Application :08/04/2010 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHODS AND COMPOSITIONS FOR CONTROLLING BULK DENSITY OF COKING COAL

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C01B 57/00 :11/857,093 :18/09/2007 :U.S.A. :PCT/US2008/076476 :16/09/2008 : NA :NA :NA :NA	(71)Name of Applicant:  1)NALCO COMPANY Address of Applicant:1601 W. Diehl Road Naperville Illinois 60563-1198 United States of America U.S.A. (72)Name of Inventor: 1)Bo L. TRAN
Filing Date	:NA	

#### (57) Abstract:

Compositions for adjusting coal bulk density and methods of using the compositions are provided. In an embodiment, the present invention provides methods of utilizing the compositions to adjust coal bulk density. The compositions can comprise one or more components selected from a group consisting of vegetable oils, animal fats, triglycerides, fatty acids, fatty acid methyl esters, fatty acid ethyl esters, and glycerin. These compositions can be derived from a biodiesel manufacturing process or transesterification reactions involving triglycerides.

No. of Pages: 13 No. of Claims: 16

(21) Application No.2548/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR HOISTING AND LOWERING DEVICE IN ROTOR HEAD OF WIND TURBINE GENERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10/02/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)MITSUBISHI HEAVY INDUSTRIES LTD. Address of Applicant:16-5 Konan 2-chome Minato-ku Tokyo 108-8215 JAPAN (72)Name of Inventor: 1)Tomohiro NUMAJIRI 2)Yoshihiro FUJIOKA 3)Atsushi IMANAGA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided a method for hoisting and lowering a device in a rotor head of a wind turbine generator 1, that can easily perform a device hoisting and lowering operation in the rotor head 4 without an external crane. The method for hoisting and lowering a device in a rotor head includes a step of mounting a temporary winch rail 50 to a rail support portion 44 previously provided in the rotor head 4, a step of installing a temporary winch 51 on the temporary winch rail 50, a step of opening a maintenance hatch provided in the rotor head 4, and a step of hoisting and lowering a replacement device P to be attached or removed in the rotor head 4 through a hoisting and lowering opening 43 in the maintenance hatch by the temporary winch 51.

No. of Pages: 37 No. of Claims: 4

(19) INDIA

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

(22) Date of filing of Application :17/04/2010 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VAPOUR DELIVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F15D1/00 :0718686.9 :25/09/2007 :U.K. :PCT/GB2008/003257 :25/09/2008 : NA :NA :NA :NA	(71)Name of Applicant:  1)P2I LIMITED  Address of Applicant: Unit 14 Central 127 Milton Park Abingdon Oxfordshire OX14 4SA United Kingdom U.K. (72)Name of Inventor:  1)Fred HOPPER
Filing Date	:NA	

#### (57) Abstract:

A delivery system 10 for delivering species 12 to a processing chamber 14, so as to coat the surface of a large item, thereby imparting specific properties thereto, comprises: a species container 16 for containing species supplied from a source 18 of liquid species; evaporation means 20 for evaporating liquid species in said container; flow guide means 22, 24 for guiding flow of evaporated species to a processing chamber; and monitoring means 28 for measuring a rate over time of evaporation of species from said container so that flow of evaporated species delivered to said processing chamber can be monitored.

No. of Pages: 22 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application: 17/04/2010

(21) Application No.2639/DELNP/2010 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: VAPOUR DELIVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:F15D1/00 :0718801.4 :25/09/2007 :U.K. :PCT/GB2008/003271 :25/09/2008 : NA :NA	(71)Name of Applicant: 1)P2I LIMITED Address of Applicant: Unit 14 Central 127 Milton Park Abingdon Oxfordshire OX14 4SA United Kingdom U.K. (72)Name of Inventor: 1)Malcolm WOODCOCK
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A delivery system (10) for delivering species to a processing chamber (14) for imparting a desired surface property to one or more large items- such as shoes-comprises a first container (16) for filling with liquid species, a second container (18) for receiving liquid species from the first container (16), a first flow control means (20) for controlling a volume of liquid species which is allowed to flow from the first container to the second container (18), evaporation means (3D) for evaporating liquid species in the second container, and a second flow control means (38) for controlling flow of evaporated species from the second container (18) to a processing chamber

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

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AN ASSEMBLY FOR FRICTION WELDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:1256517 :06/07/2012	(71)Name of Applicant:  1)SNECMA Address of Applicant:2, BOULEVARD DU GENERAL MARTIAL VALIN, 75015 PARIS, FRANCE (72)Name of Inventor:  1)MARC JACKY GANI
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#### (57) Abstract:

The invention concerns a group consisting of a unit of a first piece (100) with a first portion (120) which is a tube which extends along an X axis, said first portion (120) being bordered laterally by a surface side (130) and having a proximal portion (122) that extends through an intermediate portion (124) which is extended by a distal portion (126) including a first extremity surface (136), and secondly a second piece (200) with a second portion (220) comprising a second surface (236), the surface (136) and the second surface (236) being adapted to be friction welded. The distal portion (126) of the first piece (120) is carried in the malleable state during the friction welding, and the intermediate portion (124) flares from the distal portion (126) and up to the part proximal (122) such that the bead of material (320) resulting from the deformation of the distal portion (126) during welding rubs against the side surface of the intermediate portion (124) during welding, the first surface (136) is an annular band, and a second portion (220) extends along an Yaxis ant, said second portion (220) being bordered laterally by a lateral surface (230) and having a proximal portion (222), which extends through an intermediate portion (224) which is extended by a distal portion (226) which is the second end surface (236), which is an annular band, the distal portion (226) of the second portion (220) being carried in the malleable state during the friction welding, in that the intermediate portion (224) part of the second (220) flares from the distal portion (226) by the second tie (220) towards and till the proximal portion (222) of the second portion (220) such that the bead of material (320) as resulting from the deformation of the distal portion (226) of second portion (220) during welding rubs against the lateral surface of the intermediate portion (224) of the second portion (220) during welding.

No. of Pages: 28 No. of Claims: 7

(22) Date of filing of Application :22/04/2010 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RETRACTABLE LIFELINE ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A62B1/08 :60/975,860 :28/09/2007 :U.S.A. :PCT/US2008/077597 :25/09/2008 : NA	(71)Name of Applicant: 1)D B INDUSTRIES INC. Address of Applicant: 3833 Sala Way Red Wing MN 55066-5005 United States of America U.S.A. (72)Name of Inventor: 1)Scott C. CASEBOLT
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A retractable lifeline assembly includes a housing having a first portion and a second portion separated by a plate portion having an aperture The aperture places a first cavity of the first portion in fluid communication with a second cavity of the second portion A shaft extends through the aperture into the first cavity and the second cavity, and a seal proximate the shaft and the plate portion seals the first cavity from the second cavity The first portion contains a cable assembly and the second portion contains a brake assembly

No. of Pages: 33 No. of Claims: 26

(21) Application No.3511/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: PROTECTION CONTROL SYSTEM AND MERGING UNIT

(51) International classification :H02H3/05,H02H3/02,H02J13/00 (71) Name of Applicant:

(31) Priority Document No :2011247946 (32) Priority Date :11/11/2011

(33) Name of priority country :Japan (86) International Application

:PCT/JP2012/005729 No

:11/09/2012 Filing Date

(87) International Publication :WO 2013/069180

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)KABUSHIKI KAISHA TOSHIBA

Address of Applicant : 1 1 Shibaura 1 chome Minato ku Tokyo

1058001 Japan

(72)Name of Inventor: 1)OHTOMO Yu 2) ISHIBASHI Akira

### (57) Abstract:

The purpose of this embodiment is to provide a protection control system protection control devices and a merging unit wherein the protection control system which uses a process bus uses a reduced amount of hardware. The protection control system in this embodiment is provided with the following: a merging unit that outputs charge amount information consisting of a digitized charge amount; and a plurality of protection control devices that each output main trip information if it is determined on the basis of the charge amount information and relay characteristics that a system accident has occurred in the segment being protected. Furthermore the merging unit stores FD trip information if it is determined on the basis of the charge amount information and predetermined relay characteristics for an accident detection relay in each protection control device that a system accident has occurred in the segment being protected. The merging unit uses the FD trip information and the main trip information to determine whether or not to open a circuit breaker or switch.

No. of Pages: 45 No. of Claims: 8

(21) Application No.2266/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR LOW-SOUND-EMISSION ACCELERATION OF A PROPELLER-DRIVEN WATERCRAFT

(51) International classification (31) Priority Document No (32) Priority Date	n:F01N13/00,G01P15/00,B63G8/00 :10 2012 213 991.5 :07/08/2012	(71)Name of Applicant:  1)THYSSENKRUPP MARINE SYSTEMS GMBH Address of Applicant: WERFTSTRAE 112-114, KIEL 24143
(33) Name of priority country		(DE) Germany
(86) International Application No Filing Date (87) International Publication No	:NA :NA	(72)Name of Inventor : 1)STEDEN, MAX 2)STAUBLE, ULRICH
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

The method for tow-sound-emission acceleration of a propeller-driven watercraft, in particular a submarine, is characterized in that in a first phase acceleration states are determined at which a predetermined sound emission is just being exceeded, after which in a second phase acceleration states are determined at which the predetermined sound emission is not being exceeded, with the propeller(s) subsequently being actuated in such a way as not to exceed the acceleration states determined in the second phase.

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

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DEVICE HAVING REDUCED BIAS TEMPERATURE INSTABILITY (BTI)

(31) Priority Document No :13/ (32) Priority Date :06/	A 1)MICHAEL, JOSEPH DARRYL 2)ARTHUR, STEPHEN DALEY 3)JOHNSON, TAMMY LYNN 4)LILIENFELD, DAVID ALAN A
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## (57) Abstract:

A semiconductor device is disclosed along with methods for manufacturing such a device. In certain embodiments, the semiconductor device includes a source electrode formed using a metal that limits a shift, such as due to bias temperature instability, in a threshold voltage of the semiconductor device during operation. In certain embodiments the semiconductor device may be based on silicon carbide.

No. of Pages: 23 No. of Claims: 19

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DEVICE FOR CONTROLLING ELECTRICALLY HEATED CATALYST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F01N3/20 :NA :NA :NA :PCT/JP2011/075337 :02/11/2011 :WO 2013/065157	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)YOSHIOKA Mamoru
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

### (57) Abstract:

The purpose of the present invention is to suppress short circuiting between a heating element and a case due to PM in an electrically heated catalyst. The electrically heated catalyst of the present invention is provided in an exhaust passage of an internal combustion engine in which the air fuel ratio is controlled to approach a theoretical air fuel ratio during operation and has a heating element for generating heat when an electric current is conducted therethrough a case for housing the heating element and an insulating member provided between the heating element and the case. In the present invention electric current is conducted to the heating element after operation of the internal combustion engine is stopped.

No. of Pages: 57 No. of Claims: 9

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TREAD COMPRISING TREAD PATTERN ELEMENTS COVERED WITH AN IMPREGNATED FIBRE ASSEMBLY

(51) International classification (31) Priority Document No	:B60C1/00,B60C11/14 :1161811	(71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:16/12/2011	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 cours Sablon F 63000 CLERMONT
(86) International Application No	:PCT/EP2012/075627	FERRAND France
Filing Date	:14/12/2012	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2013/087878	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)ABAD Vincent
Number	:NA	2)EL HARAK Abdeslam
Filing Date	.IVA	3)PERRIN Frdric
(62) Divisional to Application Number	:NA	4)MAESAKA Masayuki
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a tyre tread comprising: a plurality of tread pattern lments having side surfaces and a contact surface intended to make contact with the road during the rotation of a tyre provided with said tread, the contact limit between the contact surface and the ground forming at least one edge; and a plurality of cut-outs (3) in the form of a groove and/or incision, said cut-outs (3) being defined by opposing side surfaces, and each tread pattern lment being formed with at least a first rubber mix (know as the base mix). The tread is characterised in that, seen in section in a plane normal to the axis of rotation of the tyre and extending through at least one contact surface of a tread pattern lment, at least one of the cut-outs adjacent to said contact surface is covered at least partially with a cover layer and in that the cover layer comprises an assembly of woven or non-woven fibres.

No. of Pages: 53 No. of Claims: 33

(21) Application No.3515/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: MOTOR VEHICLE SPLASH GUARD INCORPORATING AN AIR REFLECTOR AND CORRESPONDING VEHICLE

(51) International :B62D35/00,B60R19/18,B62D25/08

:NA

classification

(31) Priority Document No :1159741 (32) Priority Date :27/10/2011 (33) Name of priority country: France

(86) International Application: PCT/FR2012/052052 No :13/09/2012

Filing Date

(87) International Publication :WO 2013/060953

(61) Patent of Addition to :NA **Application Number** 

Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)RENAULT SAS

Address of Applicant :13 15 Quai le Gallo F 92100 Boulogne

Billancourt France (72)Name of Inventor: 1)LINGET Jarno 2) **VEUILLOT** Olivier

## (57) Abstract:

The invention relates to a motor vehicle splash guard (10) made of a moldable plastic material including an air intake grille (20) said splash guard having a lower edge (11) extending in a substantially horizontal plane when the splash guard is in the operating position the splash guard including an air deflector portion (30) that is integral with the splash guard (10) and extends in a substantially horizontal plane beneath the air intake grille when the splash guard (10) is in the operating position a connecting area (31) joining said air deflector portion (30) to the lower edge (11) of the splash guard characterized in that the connecting area (31) is an area consisting of a thinned out material forming a hinge in such a manner that the air deflector portion (30) is movable between a mold release position and an operating position in which the same extends in a substantially horizontal plane when the splash guard is in the operating position and in that the air deflector portion (30) includes at least two attachment means (32) on the splash guard (11) and/or on the air intake grille (20) which attachment means are capable of holding the air deflector portion (30) in the operating position.

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

(19) INDIA

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: OPTICAL DEVICE

(86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (86) International Publication No Filing Date  (87) International Publication No Filing Date  (88) International Application No Filing Date  (89) International Publication No Filing Date  (80) International Publication No Filing Date  (81) International Application No Filing Date  (81) International Application No Filing Date  (82) International Application No Filing Date  (84) International Application No Filing Date  (85) International Application No Filing Date  (86) International Application No Filing Date  (87) International Publication No Filing Date  (88) International Application No Filing Date  (89) International Publication No Filing Date  (80) International Publication No Filing Date  (80) International Publication No Filing Date  (81) International Publication No Filing Date  (81) International Publication No Filing Date  (82) International Publication No Filing Date  (83) International Publication No Filing Date  (84) International Publication No Filing Date  (85) International Publication No Filing Date  (86) International Publication No Filing Date  (87) International Publication No Filing Date  (88) International Publica	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:2012- 188375 :29/08/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)HITACHI MEDIA ELECTRONICS CO., LTD. Address of Applicant:1, AZA-KITANO, SHINJO, MIZUSAWA-KU, OSHU-SHI, IWATE 023-0841 JAPAN (72)Name of Inventor: 1)SHIGEHARU KIMURA
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(21) Application No.2327/DEL/2013 A

#### (57) Abstract:

For an optical device as a transmission-type scanning optical microscope having a pinhole or a slit for limiting the amount of a detected light beam, a method of moving a scanning beam without moving an observation sample to be scanned is realized. A scanning beam from a beam scanning mechanism that has passed through an observation sample is focused onto a reflection plate, and is then returned back again to the observation sample. A light beam that has returned back from the sample is further fed back to the beam scanning mechanism, and then, the light beam that has been limited through a fixed pinhole or a slit is detected with a photodetector.

No. of Pages: 33 No. of Claims: 16

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 13/02/2015

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

(51) Intermedianal aleraidication	.110200/00	(71) No. 11 - 12 - 13 - 14 - 14 - 14 - 14 - 14 - 14 - 14
(51) International classification	:H02P9/00	(71)Name of Applicant :
(31) Priority Document No	:13/606,530	1)General Electric Company
(32) Priority Date	:07/09/2012	Address of Applicant :1 River Road, Schenectady, New York
(33) Name of priority country	:U.S.A.	12345, U.S.A U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WAGONER, Robert Gregory
(87) International Publication No	: NA	2)RITTER, Allen Michael
(61) Patent of Addition to Application Number	:NA	3)LARSEN, Einar Vaughn
Filing Date	:NA	4)KLODOWSKI, Anthony Michael
(62) Divisional to Application Number	:NA	5)BARKER, Sidney Allen
Filing Date	:NA	

## (57) Abstract:

A method and system for dissipating energy in a direct current (dc) bus of a doubly-fed induction generator (DFIG) converter during a grid event is described. In one aspect, the method comprises monitoring operating conditions of an electrical system, the electrical system comprising at least a DFIG generator and a line side converter and a rotor side converter connected by a dc bus having a dynamic brake connected thereto; detecting an overvoltage on the dc bus or a condition indicative of an overvoltage on the dc link is detected, the overvoltage on the dc bus or condition indicative of the overvoltage caused by a grid event; and causing energy in the dc link to be dissipated using the dynamic brake.

No. of Pages: 32 No. of Claims: 20

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MULTI SPINDLE MULTI FIXTURE LAPPING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:NA :NA :NA :NA :NA : NA : NA	(71)Name of Applicant:  1)CHANG YUN INDIA LTD  Address of Applicant: 77, IDC, MEHARAULI ROAD, GURGAON 122001 Haryana India (72)Name of Inventor:  1)SUDHIR SRIVASTAVA 2)SANJEEV MORE 3)RAJESH SHARMA
(61) Patent of Addition to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The lapping machine of the present invention compnses a set of more than one spindles with revolving cylindrical heads along their axes that are powered by single induction motor and are brought down to bed of fixtures periodically on the lapping line into the machining position so that each spindle can hold one set of multi cone synchronizer rings and machine them for a given length of time at a pre-determined speed. The bed of fixtures on the lapping line is arranged to have plurality of fixtures, each one of which has a bore capable of holding the work pieces and is moveable precisely underneath the spindles to be held securely and machined as programmed. The machine of this invention provides high efficiency lapping cycle for mass produced synchronizer rings offering enhanced productivity at a substantially low cost as compared to the machines of the prior art.

No. of Pages: 23 No. of Claims: 7

(21) Application No.3522/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SULFUR ACID FUNCTIONALIZED LATEX POLYMER

(51) International :C08F220/18,C08F265/04,C08K3/22 classification (31) Priority Document No :61/577290 (32) Priority Date :19/12/2011 (33) Name of priority :U.S.A. country

(86) International :PCT/US2012/070013

Application No :17/12/2012 Filing Date

(87) International :WO 2013/096162 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1) ROHM AND HAAS COMPANY

Address of Applicant :100 Independence Mall West

Philadelphia PA 19106 U.S.A.

(72)Name of Inventor:

1)BOHLING James Charles 2)BROWNELL Arnold Stan 3)FINEGAN Catherine Ann

# (57) Abstract:

The present invention is a process for preparing a multistage polymer by contacting under emulsion polymerization conditions an acrylic monomer, a sulfur acid monomer, and a phosphorous acid monomer as described herein. The present invention is also a composition comprising a nonionic surfactant and a stable aqueous dispersion of polymer particles comprising structural units of butyl acrylate, methyl methacrylate, a sodium vinylbenzenesulfonate, and phosphoethyl methacrylate; wherein the polymer particles have a Tg of less than 10° C. The composition of the present invention is useful as a binder for coatings compositions.

No. of Pages: 14 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: METHOD FOR MAKING A SHAPED TURBINE AEROFOIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01D5/14 :TO2011A001009 :03/11/2011 :Italy :PCT/IB2012/056122 :02/11/2012 :WO 2013/065023 :NA :NA :NA	(71)Name of Applicant:  1)GE AVIO S.R.L.  Address of Applicant: Via I Maggio 99 I Rivalta di Torino (Torino) Italy (72)Name of Inventor:  1)BERTINI Francesco
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(21) Application No.3524/DELNP/2014 A

## (57) Abstract:

According to the method a turbine aerofoil is made starting from a reference aerofoil locally reducing the metallic exit angle at the trailing edge in two areas (25,26) which substantially correspond in use, to the position of the peaks of the secondary flows in the boundary layer.

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

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: REHEAT BURNER AND METHOD OF MIXING FUEL/CARRIER AIR FLOW WITHIN A REHEAT BURNER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F23R3/00 :12178470.6 :30/07/2012 :EUROPEAN UNION :NA :NA :NA :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)DUESING, MICHAEL
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#### (57) Abstract:

The invention refers to a reheat burner comprising a flow channel for a hot gas flow with a lance arranged along said flow channel, protruding into the flow channel for injecting a fuel over an injection plane perpendicular to a channel longitudinal axis, wherein the channel and lance define a vortex generation zone upstream of the injection plane and a mixing zone downstream of the injection plane in the hot gas flow direction. The mixing zone provides at least one axially region having different cross sectional areas along its longitudinal axis with continuously changing shape, or having non circular cross section areas which change location along its longitudinal axis by continuously rotation around the longitudinal axis.

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

(21) Application No.3527/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: IMMEDIATE RELEASE MULTI UNIT PELLET SYSTEM

(51) International classification :A61K9/16,A61K9/26,A61K9/50 (71)Name of Applicant:

(31) Priority Document No :11195261.0 (32) Priority Date :22/12/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/075808

No

:17/12/2012 Filing Date

(87) International Publication No:WO 2013/092497

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Str. 173 55216 Ingelheim Am

Rhein Germany

(72)Name of Inventor:

1)WAGNER Karl Gerhard

2)BOECK Georg

3)RADTKE Guido

# (57) Abstract:

The present invention relates to a multiple unit pellet system (MUPS) in form of a tablet containing a pharmaceutically active ingredient, characterized in that the MUPS is an optionally coated immediate release pharmaceutical dosage form for oral administration.

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

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention : A BONE SIZING GUIDE

(51) International classification	:A61B17/15	(71)Name of Applicant:
(31) Priority Document No	:1119481.8	1)DEPUY (IRELAND)
(32) Priority Date	:11/11/2011	Address of Applicant :Loughbeg County Cork Ringaskiddy
(33) Name of priority country	:U.K.	Ireland
(86) International Application No	:PCT/GB2012/052571	(72)Name of Inventor:
Filing Date	:18/10/2012	1)LESLIE Ian
(87) International Publication No	:WO 2013/068720	2)REEVE Michael
(61) Patent of Addition to Application	:NA	3)ROCK Michael
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3528/DELNP/2014 A

#### (57) Abstract:

(19) INDIA

A bone sizing guide for assessing the size of an end of a bone includes a body (6) having a foot component (2) with a first surface (10) to rest against an end surface of the bone and a foot (12) extending transverse to the first surface to contact a side surface of the bone. A superstructure (40) is coupled to the body so that the superstructure can slide relative to the body towards and away from the body, at least one of the superstructure and the body being adjustable so that the rotational direction in which the superstructure extends relative to the foot component about a first axis extending trans verse to the first surface is adjustable. A stylus (53) extends from the super structure transverse to the first surface of the body, the stylus having a tip to contact a surface of the bone, and a scale (64) is coupled to or formed on a first one of the superstructure and the body. An indicator (52) is coupled to or formed on a second one of the superstructure and the body to identify a position on the scale. The identified position on the scale shifts as the super structure slides towards or away from the body, and the identified position shifts as the superstructure rotates relative to the body without sliding motion between the superstructure and the body, such that the identified position on the scale is indicative of the distance between the stylus and the foot.

No. of Pages: 41 No. of Claims: 16

(21) Application No.3529/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NON HALOGEN FLAME RETARDANT POLYMERS

(51) International classification :C09K21/14,C08F230/02,C07F9/09

(31) Priority Document No :61/553,460 (32) Priority Date :31/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/062639

No :31/10/2012

Filing Date .51/10/2011

(87) International Publication :WO 2013/066906

(61) Patent of Addition to Application Number :NA :NA

(71)Name of Applicant:

1)LUBRIZOL ADVANCED MATERIALS INC.

Address of Applicant :9911 Brecksville Road Cleveland Ohio

44141 3247 U.S.A. (72)Name of Inventor:

1)LAI John Ta Yuan

2)CHOU Ti

## (57) Abstract:

Non-halogenated monomers that can be polymerized into flame retardant polymers, and processes to produce the monomers and polymers is provided. In a simplest aspect, there is provided a monomer composition that can comprise a) a group de - rived from one of a (meth)acrylic acid, (meth)acrylamide, or vinylbenzene, b) a polyphosphate moiety, and c) an amine species. In the monomer composition, the ethylenically unsaturated monomer of (a) is covalently bonded directly or through a linking group to the moiety of b), forming a precursor monomer unit. The amine species of c) is in complex with the precursor monomer unit. The polymer can be a homopolymer of the monomer composition, or a copolymer of the monomer composition having varying a), b) and c). In one embodiment, the polymer can additionally comprise ethylenically unsaturated monomers not covalently bonded to a poly phosphate moiety.

No. of Pages: 33 No. of Claims: 30

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: GREEN WALL STRUCTURE AND GREEN WALL INCLUDING SUCH A STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:France :NA :NA	(71)Name of Applicant: 1)CANEVAFLOR Address of Applicant:24 RUE DU DOCTEUR GUFFON 69170 TARARE FRANCE (72)Name of Inventor: 1)PELESZEZAK PASCAL
(87) 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 modular structure according to the invention, made up of wire-netting elements, comprises support elements (2) with an L-shaped profile, which can be juxtaposed and superimposed, and planar closing elements (3) positioned vertically, as well as brackets (13) connecting and fastening said elements. The lower horizontal faces (5) of the superimposed support elements (2) delimit volumes receiving a planting substrate that advantageously assumes the form of prefilled cartridges, brought in before placement of the closing elements (3).

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

(21) Application No.2269/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MEMBRANE WITH MULTIPLE SIZE FIBERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:13/587,286 :16/08/2012 :U.S.A. :NA :NA : NA : NA	·
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

Membranes including at least two sets of fibers having different average diameters, as well as methods of using and methods of making the membranes are disclosed.

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

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STABLE PESTICIDAL COMPOSITIONS

# (57) Abstract:

Provided herein are high load solid and liquid pesticidal compositions containing a low melting active ingredient which exhibit good physical and chemical stability and equivalent or improved biological efficacy compared to liquid compositions when used to control pests in crop or non crop environments.

No. of Pages: 59 No. of Claims: 28

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: GRANULES WITH IMPROVED DISPERSION PROPERTIES

(71) T	4.013.12.5.10.0	(71) N
(51) International classification	:A01N25/00	(71)Name of Applicant:
(31) Priority Document No	:61/554,008	1)DOW AGROSCIENCES LLC
(32) Priority Date	:01/11/2011	Address of Applicant :9330 Zionsville Road Indianapolis IN
(33) Name of priority country	:U.S.A.	46268 U.S.A.
(86) International Application No	:PCT/US2012/062692	(72)Name of Inventor:
Filing Date	:31/10/2012	1)DAVE Hiteshkumar
(87) International Publication No	:WO 2013/066943	2)LIU Lei
(61) Patent of Addition to Application	:NA	3)ZETTLER Aaron
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided herein are methods of improving the dispersion properties in water of a pesticide containing granule which comprise: a) providing a powder comprising a pesticide active ingredient; b) adding water to the powder; c) blending the powder and the water into a mixture; and d) processing the mixture into granules; wherein the improvement is characterized by incorporating one or more water soluble agglomeration suppressants into the powder or the water prior to blending wherein the amount of the one or more agglomeration suppressants added is at least the amount required to achieve 50% of its saturated concentration in the amount of water added in step (b).

No. of Pages: 44 No. of Claims: 20

(21) Application No.3519/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TYRE HAVING A TREAD COMPRISING AN IMPREGNATED FELT

(51) International classification	n:B29D30/52,B60C1/00,B60C11/00	(71)Name of Applicant:
(31) Priority Document No	:1161754	1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:16/12/2011	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 cours Sablon F 63000 Clermont
(86) International Application	:PCT/EP2012/075631	ferrand France
No	:14/12/2012	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
Filing Date	.14/12/2012	(72)Name of Inventor:
(87) International Publication	:WO 2013/087879	1)ABAD Vincent
No	.WO 2013/06/6/9	2)CUSTODERO Emmanuel
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application	·NIA	
Number	:NA :NA	
Filing Date	.INA	

# (57) Abstract:

The invention relates to a tyre having a tread characterised in that the tread comprises a felt impregnated with a thermoplastic elastomer material and in that the fibres of the felt are selected from the group containing textile fibres mineral fibres and mixtures thereof.

No. of Pages: 28 No. of Claims: 22

(21) Application No.3543/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014

(43) Publication Date: 13/02/2015

(54) Title of the invention: POLYCYCLIC AROMATIC COMPOUNDS CONTAINING AN S ATOM OR S(=0)2 GROUP AND THEIR USE AS DYES

(51) International :C07D495/16,C08G83/00,C09B57/14 classification

(31) Priority Document No :PCT/EP2011/070869

:23/11/2011

(32) Priority Date (33) Name of priority :EPO

country

(86) International

:PCT/EP2012/072514 Application No :13/11/2012

(87) International

:WO 2013/075980 Publication No

(61) Patent of Addition to

**Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

Filing Date

:NA

:NA

(71)Name of Applicant: 1)SICPA HOLDING SA

Address of Applicant : Av. de Florissant 41 CH 1008 Prilly

Switzerland

(72)Name of Inventor: 1)WYSS Patrick

2)PASQUIER Ccile

# (57) Abstract:

Filing Date

Polycyclic aromatic hydrocarbon compounds of formula (I) having an S atom or S(=O)2 moiety incorporated in their basic polycyclic structure that can have a nitrogen containing heterocycloaliphatic group and/or a substituted or unsubstituted phenoxy group and/or a polymeric moiety bonded to the polycyclic structure and to compositions such as e.g. printing inks which comprise these polycyclic aromatic hydrocarbons as colorants.

No. of Pages: 55 No. of Claims: 37

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AQUEOUS ELECTROLYTE FOR LITHIUM AIR BATTERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:PCT/FR2012/052576 :08/11/2012 :WO 2013/068694 :NA	(71)Name of Applicant:  1)ELECTRICITE DE FRANCE  Address of Applicant: 22 30 avenue de Wagram F 75008 Paris France (72)Name of Inventor:  1)STEVENS Philippe 2)TOUSSAINT Gwena«lle 3)MOUREAUX Florian 4)CHATENET Marian
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to an electrochemical device in particular a lithium air battery with an aqueous electrolyte comprising: a negative electrode compartment containing lithium metal; a positive electrode compartment comprising at least one positive air electrode making contact with an aqueous solution containing lithium hydroxide; and a solid electrode separating in a gas and fluid tight manner the negative electrode compartment from the positive electrode compartment characterized in that the aqueous solution containing the lithium hydroxide furthermore contains at least one additive decreasing the solubility of the lithium ions. The invention also relates to a method for storing and releasing electrical energy using a lithium air battery according to the invention.

No. of Pages: 18 No. of Claims: 10

(21) Application No.2119/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: GUIDEWIRE WITH HIGHLY FLEXIBLE TIP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61F2/00 :13/554,981 :20/07/2012 :U.S.A. :NA :NA	
(87) 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 medical device formed of a coil with repeating loops, each loop forming a polygon and each successive loop being slightly rotated with respect to its adjacent loops to form a spiral configuration. The polygon in a preferred embodiment is a triangle, and the repeating triangular loop coil can be used as a guidewire in a stent delivering catheter. The guidewire can further include a stiff core wire that is disposed within the triangular loop coil, where the stiff core wire includes tapered sections that reduce the stiffness in the distal direction. The coil can include multiple sections of different loop shapes, including circular, to alter the stiffness of the guidewire to meet the needs of the application.

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

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR THE PROLONGED RELEASE OF TRIMETAZIDINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date (87) International Publication No</li> </ul>	:A61K :12/00322 :03/02/2012 :France :NA :NA	(71)Name of Applicant:  1)LES LABORATOIRES SERVIER  Address of Applicant: 35 RUE DE VERDUN 92284  SURESNES CEDEX, FRANCE  (72)Name of Inventor:  1)PATRICK GENTY  2)CHRISTOPHE HERMELIN
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)CHRISTOPHE HERMELIN 3)JEAN-MANUEL PEAN

# (57) Abstract:

Composition for the prolonged release of trimetazidine wherein the inner phase comprises trimetazidine and the outer layer comprises a retardant and an anti-agglomerant.

No. of Pages: 22 No. of Claims: 21

(21) Application No.2509/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VERSATILE SPIN FILTER MODULE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C07C 2/00 :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY Address of Applicant: INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI- 110 016. Delhi India  2)DEPARTMENT OF BIO-TECHNOLOGY
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	(72)Name of Inventor: 1)GOMES, JAMES 2)ROYCHOUDHURY, PRADIP KUMAR 3)KAMTHAN, SHWETA

## (57) Abstract:

The present invention describes a versatile spin filter module (VSFM) comprising at least one cylindrical chemical and temperature resistant polymeric support (2) designed for mounting membrane, a neutral, hydrophobic, biocompatible membrane (5), the said cylinder being provided with a bottom plate (3) adapted to fixing on a shaft for inducing rotation, and a detachable clamping system for facilitating mounting of membrane.

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

(19) INDIA

(22) Date of filing of Application :24/04/2010

(21) Application No.2861/DELNP/2010 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: A ROTARY FLUID-DISPLACEMENT ASSEMBLY

	:F01C21/08,	(71)Name of Applicant :
(51) International classification	F04C2/344,	1)Torad Engineering LLC
	F01C1/08	Address of Applicant :100 Southlake Court Alpharetta GA
(31) Priority Document No	:60/995,319	30005 USA. U.S.A.
(32) Priority Date	:26/09/2007	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)KEMP Gregory T.
(86) International Application No	:PCT/US2008/011117	
Filing Date	:25/09/2008	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		

## (57) Abstract:

A rotary fluid-displacement assembly having a housing and a rotor positioned within an internal cavity of the housing. The rotor being configured to rotate about a rotor axis of rotation eccentric to a housing longitudinal axis. A gate is also provided that is slidably mounted therewith the rotor and movable axially about and between a first position, in which a distal end of the gate is positioned at a first distance from the peripheral surface of the rotor, and a second position, in which the distal end of the gate is positioned at a second distance from the peripheral surface of the rotor. The distal end of the gate being constrained to be spaced proximate from the inner wall surface of the housing as the rotor rotates about the rotor axis of rotation.

No. of Pages: 95 No. of Claims: 42

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SUPPORT OF SWITCHING TTI BUNDLING ON/OFF

(51) International classification :H04W72/04,H04W36/00 (71)Name of Applicant : (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) :61/587,289 (32) Priority Date Address of Applicant: S 164 83 Stockholm Sweden :17/01/2012 (72)Name of Inventor: (33) Name of priority country :U.S.A. (86) International Application No 1)LANGEREIS Alexander :PCT/SE2012/051068 2)SANDBERG David Filing Date :05/10/2012 (87) International Publication No :WO 2013/109177 3)TYNDERFELDT Tobias (61) Patent of Addition to Application 4)NORDSTRAND Ingrid :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

Network Node, NN, (500, 202, 302) and User Equipment, UE, (700, 201, 301) and methods therein, for changing a state of transmission time interval, TTI, Bundling. The method in a NN involves determining whether a transmission time interval, TTI, Bundling setting of the UE should be changed from one state to the other of a state ON and a state OFF. When it is decided (402) that the TTI Bundling setting of the UE should be changed, a message is transmitted to the UE, indicating the decided change of TTI Bundling setting. Further, as a consequence of the decision to change the TTI Bundling setting, and in association with the transmission of the message, mobility control information is transmitted to the UE, indicating the cell A as target cell, in order to cause the UE to perform an intra-cell hand over procedure.

No. of Pages: 45 No. of Claims: 22

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ROTARY UNION WITH PRESSURE CONTROLLED SEAL ACTUATOR

(51) International classification	:F16F9/00,F16L37/00	(71)Name of Applicant:
(31) Priority Document No	:61/679,343	1)DEUBLIN COMPANY
(32) Priority Date	:03/08/2012	Address of Applicant :2050 NORMAN DRIVE WEST,
(33) Name of priority country	:U.S.A.	WAUKEGAN, ILLINOIS 60085, UNITED STATES OF
(86) International Application No	:NA	AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)LACROIX, AARON
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		

#### (57) Abstract:

A rotary union includes a rotating seal carrier having a rotating seal member connected thereon, and a non-rotating seal carrier having a non-rotating seal member connected thereon. A piston portion of the non-rotating seal carrier has a flow restrictor ring disposed thereon, and both are slidably and sealably disposed within a piston bore formed in a housing. A gap is formed between an outer diameter of the flow restrictor ring and an inner diameter of the piston bore. The enlarged diameter of the piston portion provides a net pneumatic or hydraulic surface that can be acted upon by a fluid at a positive or negative atmospheric pressure present within the piston bore of the housing.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NON HALOGEN FLAME RETARDANT AS COATINGS FOR FIBROUS FILTER MEDIA

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No	:C09D143/02,C08F8/30,C08F230/02 :61/553,468 :31/10/2011 :U.S.A. :PCT/US2012/062642 :31/10/2012 :WO 2013/066908	(71)Name of Applicant:  1)LUBRIZOL ADVANCED MATERIALS INC.  Address of Applicant:9911 Brecksville Road Cleveland Ohio 44141 3247 U.S.A.  (72)Name of Inventor:  1)LAI John Ta Yuan  2)CHOU Ti
Filing Date (87) International		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

Non-halogenated monomers that can be polymerized into flame retardant polymers, and processes to produce the monomers and polymers is provided. In a simplest aspect, there is provided a monomer composition that can comprise a) a group derived from one of a (meth)acrylic acid, (meth)acrylamide, or vinylbenzene, b) a polyphosphate moiety, and c) an amine species. In the monomer composition, the ethylenically unsaturated monomer of (a) is covalently bonded directly or through a linking group to the moiety of b), forming a precursor monomer unit. The amine species of c) is in complex with the precursor monomer unit. The polymer can be a homopolymer of the monomer composition, or a copolymer of the monomer composition having varying a), b) and c). In one embodiment, the polymer can additionally comprise ethylenically unsaturated monomers not covalently bonded to a polyphosphate moiety.

No. of Pages: 38 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: ELECTRIC AUTOMOBILE

(51) International classification :B60L15/20,B6
(31) Priority Document No :2011-247145
(32) Priority Date :11/11/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/078929 Filing Date :08/11/2012

(87) International Publication No :WO 2013/069718

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:B60L15/20,B60L9/18 (71)**Name of Applicant :** :2011-247145 **1)NTN CORPORATION** 

Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(21) Application No.3553/DELNP/2014 A

(72)Name of Inventor: 1)MAKINO Tomoaki

## (57) Abstract:

Provided is an electric automobile with left and right drive wheels driven by individual motors wherein using a simple configuration allows for slip control without causing an uncomfortable feeling for a driver who has switched from an engine operated vehicle with a differential gear. The invention can be applied to an electric automobile provided with motors (6, 6) that drive left and right drive wheels (2 2) respectively. A control device (11) that controls the two motors (6, 6) is provided with a basic control means (14) a slip determination means (15) and a dual wheel drive reduction means for slips (16). The basic control means (14) equalizes the drive force generated by the left and right motors (6) and sets the drive force on the basis of the degree of depression of an accelerator pedal (22). The slip determination means (15) determines a slip state between the drive wheels (2, 2) and a road surface. If the slip determination means (15) has determined that a large amount of slippage has occurred at at least one of the drive wheels (2) the dual wheel drive reduction means for slips (16) reduces the drive current of both the left and right motors (6, 6).

No. of Pages: 19 No. of Claims: 6

(21) Application No.3554/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MOTOR CONTROL DEVICE FOR ELECTRIC AUTOMOBILE

(51) International classification	:H02P21/00,B60K7/00,B60L3/00	(71)Name of Applicant:
(31) Priority Document No	:2011-252223	1)NTN CORPORATION
(32) Priority Date	:18/11/2011	Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5500003 Japan
(86) International Application	:PCT/JP2012/079453	(72)Name of Inventor:
No	:14/11/2012	1)OZAKI Takayoshi
Filing Date	.14/11/2012	
(87) International Publication	:WO 2013/073547	
No	. 11 0 2013/0/33 17	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

## (57) Abstract:

An inverter device (22) or an ECU (21) is provided with a magnetic force estimation means (38) that estimates the magnetic force of a permanent magnet of the rotor of a motor (6) a determination means (39) therefor and a demagnetization adapting timing changing means (40). In accordance with a prescribed rule the magnetic force estimation means (38) estimates the magnetic force on the basis of at least two signals detected from the rotational frequency of the motor the motor voltage and the motor current. The determination means (39) determines whether demagnetization has occurred. In response to a determination by the determination means (39) that demagnetization has occurred the demagnetization adapting timing changing means (40) changes the timing at which the maximum current flows with respect to the rotor phase so as to increase the reluctance torque of the motor when the motor is driven by the inverter device (22).

No. of Pages: 41 No. of Claims: 11

(22) Date of filing of Application :02/08/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: RAILWAY CIRCUIT FOR SENDING SIGNALLING INFORMATION ALONG A RAILWAY LINE TO A VEHICLE TRAVELLING ALONG THE RAILWAY LINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B61F5/00 :TO2012A 000695 :02/08/2012 :Italy :NA :NA :NA :NA	(71)Name of Applicant:  1)ANSALDO STS S.p.A. Address of Applicant: Via Mantovani, 3/5, Genova, Italy Italy (72)Name of Inventor: 1)Renzo TRESANINI 2)Marco RUSCELLI 3)Paolo SPIGA
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#### (57) Abstract:

Railway circuit suitable for detecting the free or occupied state of the same and for sending signalling information, using two overlapped and independent systems, along a railway line to a vehicle travelling along said railway line. The invention allows updating of a railway line to new safety requirements to define the free or occupied state of the railway circuit and leave the installations and equipment 0n board the railway vehicle unchanged. A signal generator (13), with protocol in compliance with the requirements for sending the information on board the railway vehicls, generates a signal I (t) with varying current modul ated (sj.gnallj.ng inforimation) with FSK technique on the basis of a modulation code (CODE). The signal i(t) is supplied to a coil (15) magnetically coupled with a first and a second rail (5a,5b) which constitute the single railway circuit, to induce a variable current lab(t) modulated by the code on the electric circuit formed by the portions of the first and second rail. short-circuited alternatively by the electric joint, positioned a t the boundary of the rail-way circuit, or by an axle (12) of the travel.1j.ng vehicl.e. The rai-lway vehicle is provided with a curreii sensor (17) suitable l or detecting the variable curirent Lab(t) for extraction of the code (CODE) and sending the signal to the vehicle driver. A signal generator 30 (6) generates a signal in compliance with the new safety requirements to determine together with the receiver (9) the free or occupied state of the railway circuit.

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

(21) Application No.3557/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS

(51) International classification: C08L77/02, C08L77/06, C08K5/20 (71) Name of Applicant:

(31) Priority Document No :PCT/CN2011/082153

(32) Priority Date :14/11/2011 (33) Name of priority country :China

(86) International Application :PCT/CN2012/076319

No :31/05/2012 Filing Date

(87) International Publication :WO 2013/071744

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)HONEYWELL INTERNATIONAL INC. Address of Applicant: 101 Columbia Road Morristown New Jersey 07962 U.S.A.

(72)Name of Inventor: 1)HUANG Jianfeng 2)YUAN Jiayu 3)WANG Lei

4)PENG Shuwen 5)WEI Jie

A polyamide composition is formed from a low viscosity polyamide 6 and a nucleating agent. The nucleating agent includes an organic material a first inorganic material and a second inorganic material. Suitable organic materials include organic polymers. Suitable inorganic metallic materials include metal oxides and silicates. The polyamide composition may include polyamide 66 materials and carbon black.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: BLOOD COAGULATION FACTOR AND A DERIVATIVES CONJUGATES AND COMPLEXES COMPRISING THE SAME AND USE THEREOF

(51) International :A61K38/36,A61K38/16,A61K48/00

classification (31) Priority Document No :10-2011-0102099

(32) Priority Date :06/10/2011

(33) Name of priority :Republic of Korea

country

(86) International :PCT/KR2012/008102

Application No :05/10/2012 Filing Date

(87) International

:WO 2013/051900 Publication No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)HANMI SCIENCE CO. LTD.

Address of Applicant :550 Dongtangiheung ro Dongtan myeon

Hwaseong si Gyeonggi do 445 813 Republic of Korea

(72)Name of Inventor:

1)KIM Dae Jin 2)LEE Byung Sun 3)HONG Sung Hwan

4)HUH Yong Ho 5)JUNG Sung Youb 6)KWON Se Chang

# (57) Abstract:

The present invention relates to a blood coagulation factor VII derivative, a blood coagulation factor VII derivative, FacVII and FacVIIa conjugates each prepared by linking a polymer capable of extending the blood half-life to the derivative, FacVII and Vila complexes each prepared by linking a carrier to the conjugate, genes encoding the FacVII and FacVIIa derivatives, expression vectors comprising the genes, transformants introduced with the expression vectors, a method for preparing the FacVII and FacVIIa derivatives using the transformants, a method for preparing the FacVlla conjugate and complex, a FacVlla complex prepared by the method, a pharmaceutical composition for the prevention or treatment of hemophilia comprising the derivative, conjugate, or complex as an active ingredient, and a pharmaceutical composition for blood coagulation comprising the derivative, conjugate, or complex as an active ingredient. Further, the present invention relates to a method for preventing or treating hemophilia or for promoting blood coagulation, comprising administering to a subject a therapeutically effective amount of the composition. The FacVII or FacVIIa derivative of the present invention is able to bind with a carrier capable of improving the blood half-life while maintaining the activity of FacVII or FacVIIa, and they can be widely used in the development of effective prophylactic or therapeutic agent for hemophilia.

No. of Pages: 95 No. of Claims: 46

(21) Application No.2122/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BRAKE CALIPER ASSEMBLY HAVING A PAD SHIELD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:F16D65/00 :13/710578 :11/12/2012 :U.S.A. :NA :NA : NA : NA	
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA	
Filing Date	:NA	

# (57) Abstract:

A brake caliper assembly having a pad shield. The pad shield may have an .inboard channel, an outboard channel, and a gutter. The gutter may be disposed between the inboard and outboard . channels.

No. of Pages: 18 No. of Claims: 20

(21) Application No.2123/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: REMOTE VISUAL INSPECTION SLED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:13/550,928 :17/07/2012 :U.S.A. :NA :NA	Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor: 1)BRIGNAC, JACQUES L
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)LUCAS, ROBERT E 3)ROWLAND, GEORGE R.

# (57) Abstract:

A visual inspection system [loo] includes a remote end [110] that is moved through a conduit [l] with a flexible pushrod [400]. The remote end [I101 having at least one carriage assembly [130] with encoders [140] indicating a distance traveled within the conduit [I]. The visual inspection device [loo] has a longitudinal camera [I501 to identify view down the length of the conduit [I], but also has at least one transverse camera [160] adapted to visually 1I inspect an inside surface [3] of the conduit [I]. Also, the transverse camera [160] may be used to inspect other conduits that connect to conduit [1].

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CASSETTE FOR STERILITY TESTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12M1/04 :61/556,390 :07/11/2011 :U.S.A. :PCT/US2012/063904 :07/11/2012 :WO 2013/070730 :NA :NA	(71)Name of Applicant:  1)RAPID MICRO BIOSYSTEMS INC.  Address of Applicant: One Oak Park Drive Bedford MA 01730 U.S.A.  (72)Name of Inventor:  1)AVILES Robert C.  2)MICHAUD Devin T.  3)BROWNE Douglas J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides a device for growing cells - referred to as a cassette. The cell culturing device includes a housing that contains a lid having an optically clear window; a fluid distribution channel; a sample injection port fluidically connected to the fluid distribution channel; a base housing a porous media pad; and a media injection port fluidically connected to the media pad. The lid mates to the base to form a sterile seal; the fluid distribution channel is disposed over the media pad, which is viewable through the optical window; and sample fluid introduced into the fluid distribution channel is distributed evenly to the media pad, e.g., via a plurality of channels. The invention also provides kits that include cassettes of the invention and a tube set.

No. of Pages: 43 No. of Claims: 31

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : EMULSIONS CONTAINING POLYMERIC CATIONIC EMULSIFIERS SUBSTANCE AND PROCESS

(51) International classification	:C11D17/00,C11D3/37	(71)Name of Applicant:
(31) Priority Document No	:61/558,668	1)THE PROCTER & GAMBLE COMPANY
(32) Priority Date	:11/11/2011	Address of Applicant :One Procter & Gamble Plaza Cincinnati
(33) Name of priority country	:U.S.A.	Ohio 45202 U.S.A.
(86) International Application No	:PCT/US2012/064344	(72)Name of Inventor:
Filing Date	:09/11/2012	1)DOBRAWA Rainer
(87) International Publication No	:WO 2013/071036	2)BOECKH Dieter
(61) Patent of Addition to Application	:NA	3)FLORES FIGUEROA Aaron
Number	:NA	4)BRYM Markus
Filing Date	.11/1	5)PANANDIKER Rajan Keshav
(62) Divisional to Application Number	:NA	6)MENKHAUS Julie Ann
Filing Date	:NA	7)HULSKOTTER Frank

## (57) Abstract:

The present invention is directed to fabric and/or home care compositions comprising oils and a polymeric cationic emulsifier the process to obtain said emulsions and the use of said emulsions in fabric and/or home care compositions and the use of said fabric and/or home care compositions. Such fabric and/or home care compositions provide excellent cleaning and/or treatment properties.

No. of Pages: 57 No. of Claims: 12

(21) Application No.3552/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: OXIDATIVELY STABLE POLYUNSATURATED FATTY ACID CONTAINING OIL

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:PCT/US2012/000534 :01/11/2012 :WO 2013/066373 :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B.V. Address of Applicant: Het Overloon 1 NL Heerlen Netherlands (72)Name of Inventor: 1)STEFANSKI Michael Lenn 2)CRAWFORD, Kristine Sheila 3)XUEJUN,Tang
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An oil comprising (i) at least 30 wt.% of one or more polyunsaturated fatty acids having at least 4 double bonds; (ii) at least one first antioxidant; and (iii) less than about 1000 ppm lecithin. The oil may comprise less than about 750 ppm of a second antioxidant chosen from an ascorbic acid derivative.

No. of Pages: 53 No. of Claims: 49

(21) Application No.3570/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: IN FURNACE CONVEYANCE DEVICE AND HEATING FURNACE

(51) International classification :C21D1/00,C21D9/00,F27B9/26 (71)Name of Applicant : (31) Priority Document No :2011-250260

(32) Priority Date :16/11/2011

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2012/071774 Filing Date :29/08/2012

(87) International Publication No: WO 2013/073254

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)CHUGAI RO CO. LTD.

Address of Applicant: 3 6 1 Hiranomachi Chuo ku Osaka shi

Osaka 5410046 Japan (72)Name of Inventor: 1)YAMAMOTO Shunsuke

(57) Abstract:

The problem addressed by the present invention is for facilities to become extremely simple and low cost and for maintenance and the like to be able to be performed easily compared to walking beam types when moving objects to be processed in turn by means of an in furnace conveyance device over an affixed beam provided above the furnace bottom of a heating furnace. A plurality of affixed beams (14) that are along the direction of conveyance of objects (A) to be processed in a heating furnace (10) are provided above the furnace bottom (13) a plurality of conveyance guide grooves (17) are provided in a manner so as to penetrate the furnace bottom in the widthwise direction of the heating furnace along the direction of conveyance of the objects to be processed a rising/falling holding unit (22b) that rises and falls protruding upward through the conveyance guide grooves is provided to a cart (22) that travels along the conveyance guide grooves the rising/falling holding unit is raised causing objects to be processed held at the affixed beam to be held by the rising/falling holding unit the cart is caused to travel to a predetermined position in the direction of conveyance and the objects to be processed held at the affixed beam are moved in turn.

No. of Pages: 44 No. of Claims: 10

(21) Application No.2248/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STACKING PORTABLE WATER FILTER

(51) International classification	:A61M1/00,F02M25/00,F25D3/00	(71)Name of Applicant :
(31) Priority Document No	:13/0594,084	1)DART INDUSTRIES INC.
(32) Priority Date	:24/08/2012	Address of Applicant: 14901 SOUTH ORANGE BLOSSOM
(33) Name of priority country	:U.S.A.	TRAIL, ORLANDO, FLORIDA 32837, U.S.A. U.S.A.
(86) International Application	:NA	(72)Name of Inventor:
No	:NA	1)RUI YUAN CHEN
Filing Date	.17/1	2)BRIAN F. RUTLEDGE
(87) International Publication	: NA	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date (62) Divisional to Application		
Number	:NA	
Filing Date	:NA	
Time Date		

## (57) Abstract:

A stacking portable water filter includes an upper and a lower canister, with the lower canister having a filter aperture which receives a filter cartridge therein. Untreated water received in the upper canister flows through the filter cartridge by gravity to be collected in the lower canister. Both canisters include an upper rim, with both upper rims having a substantially similar size and shape. A cover is also provided to fit on one or the other of the rims. In an operative positions with the containers stacked, the cover may mount to the upper rim of the upper canister. In a portable position with the upper canister removed from the lower canister, the cover may be mounted to the upper rim of the lower canister.

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

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : USE OF DOWNHOLE PRESSURE MEASUREMENTS WHILE DRILLING TO DETECT AND MITIGATE INFLUXES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:61/565,131 :30/11/2011 :U.S.A. :PCT/US2012/063514 :05/11/2012 :WO 2013/081775 :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant: 10200 Bellaire Boulevard Houston TX</li> <li>77072 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)LOVORN James R.</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A well drilling system can include a hydraulics model which determines a modeled fluid friction pressure and a calibration factor applied to the modeled friction pressure, and a flow control device which is automatically controlled in response to a change in the calibration factor. A well drilling method can include drilling a wellbore, a fluid circulating through the wellbore during the drilling, determining a calibration factor which is applied to a modeled fluid friction pressure, and controlling the drilling based at least in part on a change in the calibration factor.

No. of Pages: 40 No. of Claims: 30

(21) Application No.3563/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BILL HANDLING DEVICE

(51) International classification	:G07D9/00	(71)Name of Applicant:
(31) Priority Document No	:2011-226344	1)HITACHI OMRON TERMINAL
(32) Priority Date	:14/10/2011	SOLUTIONSCORPORATION
(33) Name of priority country	:Japan	Address of Applicant :6 3 Osaki 1 chome Shinagawa ku
(86) International Application No	:PCT/JP2012/073575	Tokyo 1418576 Japan
Filing Date	:14/09/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/054637	1)NOMURA Madoka
(61) Patent of Addition to Application	:NA	2)MITSUYAMA Toshifumi
Number	:NA	3)KITAUCHI Daisuke
Filing Date	.11/1	4)TERAO Masanori
(62) Divisional to Application Number	:NA	5)KOSHIZUKA Hisahiro
Filing Date	:NA	

#### (57) Abstract:

Provided is a bill handling device which prevents a rejected deposit bill from collapsing in the interior of a money slot and which has favorable operability for the user. A money slot unit of the present invention is provided with a bill accommodating part a separation mechanism an accumulation mechanism an operation plate a passage sensor for detecting a bill conveyed to the accumulation mechanism and a control unit for controlling the operation of each part and the invention is characterized in that when bills accommodated in the bill accommodation part are separated in the separation mechanism the control unit moves the operation plate in the direction in which the accumulation mechanism is provided in a case where a bill being conveyed to the accumulation mechanism has been detected by the passage sensor.

No. of Pages: 28 No. of Claims: 9

(21) Application No.3565/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POWER AMPLIFIER AND POWER AMPLIFICATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2011-281353 :22/12/2011 :Japan :PCT/JP2012/074140 :21/09/2012 :WO 2013/094265 :NA :NA	(71)Name of Applicant:  1)NEC CORPORATION  Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor:  1)HAYAKAWA Makoto
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A power amplifier according to the present invention comprises: a branching unit that branches an input signal into a plurality of amplitude component signals according to the amplitude of the input signal; a plurality of switch mode power amplifiers that amplify each of the plurality of amplitude component signals branched by the branching unit; and a synthesizer that synthesizes the signals amplified by each of the plurality of switch mode power amplifiers.

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

(21) Application No.3566/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: IMPROVEMENT OF A COMBUSTION ENGINE

(51) International

:F02D19/08,F02D19/06,F02D41/00

classification

(31) Priority Document No :1118634.3 (32) Priority Date :28/10/2011

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2012/052689

Filing Date (87) International Publication :WO 2013/061094

:29/10/2012

No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Filing Date

Number

:NA

(71)Name of Applicant:

1)EHT PATENTS AND LICENSING LIMITED

Address of Applicant :116 Duke Street Liverpool L15 JW

(72)Name of Inventor:

1)MCMAHON Gary

## (57) Abstract:

The invention relates to a method for improving the efficiency of a combustion engine. The method comprises measuring a quantity of a primary fuel supplied to the combustion engine. Determining an operating state of the combustion engine. Selecting a fuel mapping profile based on an operating state of the combustion engine and determining from the fuel mapping profile an amount of a secondary fuel to be injected as a fraction of the measured quantity of the primary fuel.

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

(21) Application No.2126/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SUBMARINE RESCUE SUIT

(51) International classification	:B63G8/00	(71)Name of Applicant:
(31) Priority Document No	:10 2012	1)ThyssenKrupp Marine Systems GmbH
(31) I Hority Document No	213 424.7	Address of Applicant :Werftstae 112-114, Kiel, 24143 (DE)
(32) Priority Date	:31/07/2012	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)BAGINSKI, Nico
Filing Date	:NA	2)VOGT, Hans-Christian
(87) 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 submarine rescue suit designed as a complete suit with a hood that covers the head of a user exhibits means for reducing the rate of ascent and means for controlling the gas pressure in the hood.

No. of Pages: 16 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: NDBR WET MASTERBATCH

(51) International classification :C08J3/21,C08J3/22,C08K3/04 (71)Name of Applicant :

(31) Priority Document No

(32) Priority Date :01/01/1990

(33) Name of priority country

(86) International Application No :PCT/US2011/059134

Filing Date :03/11/2011

(87) International Publication No :WO 2013/066329

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

1)LANXESS DEUTSCHLAND GMBH

(21) Application No.3573/DELNP/2014 A

Address of Applicant : Kennedyplatz 1 50569 Kln Germany

(72)Name of Inventor:

1)KLOPPENBURG Heike 2)LUCASSEN Alex M. 3)HARDY John David

4)GROSS Thomas

5)DOUGLAS Judy Elizabeth

The invention relates to an NdBR wet masterbatch comprising neodymium-catalysed polybutadienes having a high proportion of cis-1,4 units of > 95% and a low proportion of 1,2- vinyl content of < 1%, with narrow polydispersity of less than 3, with a Mooney viscosity (ML 1+4 100°C) between 30 and 90 MU, with a high linearity index (ratio of solution viscosity to Mooney viscosity) of 3 to 10 mPas/MU and with a Mooney relaxation after 30 seconds of 2 to 12%, the latter being prepared by means of solution polymerization, at least one carbon black, the carbon black having an iodine absorption number (ION) between 85 and 210 mg/g, measured to ASTM D15 10-1304, and an oil absorption number (OAN) between 75 and 150 ml/lOOg, measured to ASTM D2414, and an oil

No. of Pages: 19 No. of Claims: 22

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROCESSES FOR THE PREPARATION OF NOVEL BENZIMIDAZOLE DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:C07D403/14 :61/548,374 :18/10/2011 :U.S.A. :PCT/US2012/060560 :17/10/2012 :WO 2013/059281 :NA	3)PENG Xiaowen 4)YING Lu 5)WANG Ce 6)CAO Hui
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	8)KIM In Jong 9)WANG Guoqiang 10)QIU Yao ling 11)OR Yat Sun

# (57) Abstract:

The present invention relates to processes and intermediates for the preparation of novel benzimidazole derivatives especially in the synthesis of hepatits C virus NS5A inhibitors. In particular the present invention relates to processes and intermediates for the preparation of compounds of formulae (I a):

No. of Pages: 45 No. of Claims: 15

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: INFRARED REFLECTIVE FILM INFRARED REFLECTIVE PAINT AND INFRARED REFLECTOR

(51) International classification :C09D133/00,B05D5/06,B32B27/18

(31) Priority Document No :2011-242179 (32) Priority Date :04/11/2011 (33) Name of priority country:Japan

(86) International Application: PCT/JP2012/078164

Filing Date :31/10/2012

(87) International Publication :WO 2013/065733

(61) Patent of Addition to Application Number :NA :NA

Filing Date
(62) Divisional to
Application Number
Filing Date

NA
:NA
:NA

(71)Name of Applicant:

1)NIHON TOKUSHU TORYO CO. LTD.

Address of Applicant :16 7 Oji 5 chome Kita ku Tokyo

1148584 Japan

(72)Name of Inventor:
1)SUZUKI Hiroshi
2)SAGA Yasufumi
3)HANAEDA Masaki

# (57) Abstract:

Provided is an infrared reflective paint characterized in being a paint for forming a film having a high reflectance in the infrared wavelength region a high transmittance in the visible wavelength region and surface self cleaning performance; comprising an acrylic resin containing at least one of silyl group and silanol group and metal oxide coated mica obtained by coating the surface of mica with at least one metal oxide selected from tin oxide titanium oxide and silicon oxide; and containing the metal oxide coated mica in an amount that is 0.4 to 1.5% of the PVC (pigment volume concentration).

No. of Pages: 23 No. of Claims: 8

(21) Application No.3576/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR ELECTROMAGNETIC TREATMENT OF COGNITION AND NEUROLOGICAL INJURY

(51) International classification :A61N2/02,A61N2/04,A61N5/00 (71) Name of Applicant:

(31) Priority Document No :61/556.068 (32) Priority Date :04/11/2011

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/063576

:05/11/2012 Filing Date

(87) International Publication No:WO 2013/067512

(61) Patent of Addition to ·NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)IVIVI HEALTH SCIENCES LLC

Address of Applicant: 732A Chenery Street San Francisco CA

94131 U.S.A.

(72)Name of Inventor: 1)PILLA Arthur A. 2)DIMINO Andre A. 3)HAGBERG Sean

4)GLUCKSTERN Steven M.

## (57) Abstract:

Methods and devices for providing therapeutic electromagnetic field treatment to a subject having a cognitive or neurological condition or injury. Treatment devices can include headwear incorporating electromagnetic treatment delivery devices providing electromagnetic treatment to a user s head area. Such devices include protective headwear such as helmets with electromagnetic delivery devices. Additionally embodiments of the invention provide for wearable and adjustable electromagnetic treatment devices that can be used to provide electromagnetic treatment to multiple areas of the user's head. Embodiments of the invention provide for sequential electromagnetic treatment with a single or a plurality of treatment applicators which target a single or multiple cerebral regions as determined by imaging non imaging and physiological monitoring before during and after electromagnetic treatment.

No. of Pages: 88 No. of Claims: 48

(21) Application No.2549/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD FOR HARVESTING ALGAE OR PLANTS AND DEVICE USED THEREBY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01D 44/00 :07116877.7 :20/09/2007 :EPO :PCT/EP2008/062585 :19/09/2008 : NA :NA :NA :NA	(71)Name of Applicant:  1)SBAE INDUSTRIES NV Address of Applicant: Oostmoer 22a B-9950 Waarschoot Belgium (72)Name of Inventor:  1)VANHOUTTE KOENRAAD 2)VANHOUTTE JAN
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#### (57) Abstract:

Method for harvesting algae and/or plants in an open and continuous system whereby the algae and/or plants are grown on a submersed substratum, characterized in that the substratum is moved during growing of the algae or plants.

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

(21) Application No.3577/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: PAPER ITEM PROCESSING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G07D9/00 :NA :NA :NA :PCT/JP2011/006199 :07/11/2011 :WO 2013/069046 :NA :NA :NA	(71)Name of Applicant:  1)HITACHI OMRON TERMINAL SOLUTIONS CORP. Address of Applicant: 6 3 Osaki 1 chome Shinagawa ku Tokyo 1418576 Japan (72)Name of Inventor: 1)NAKATA Yasuhiro 2)MIZUNO Sho 3)AOJI Hirokazu
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#### (57) Abstract:

A banknote processing unit (10) is provided with: a banknote processing unit (10) and a banknote storage unit (30) that are stored in a casing (102); a transport mechanism; and a unit guide mechanism (50). The transport mechanism is provided with a connection unit (27U) that configures a transport path connecting the banknote processing unit (10) and the banknote storage unit (30). The connection unit (27U) is provided with a connection unit body (27Ua) and an expanding mechanism (27T) for externally exposing the transport path stored in the connection unit body (27Ua). The expanding mechanism (27T) is provided with: a rotating support mechanism (27Ta) that rotatably supports one end of the banknote processing unit (10) and one end of the connection unit body (27Ua); and a release operation section (27Tb) provided on the other end of the banknote processing unit (10) and on the other end of the connection unit body (27Ua) said release operation section (27Tb) engaging said banknote processing unit (10) and said connection unit body (27Ua) or releasing the engagement therebetween. In a state in which the banknote processing unit (10) is pulled out from a storage space (102S) via the unit guide mechanism (50) the expanding mechanism (27T) releases the release operation section (27Tb) and rotates the connection unit (27U) around the rotation support mechanism (27Ta) thereby externally exposing the transport path placed in the connection unit (27U).

No. of Pages: 65 No. of Claims: 4

(21) Application No.3578/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

:NA

:NA

#### (54) Title of the invention: DISCONNECTOR

(62) Divisional to Application Number

(51) International classification :H01H31/02,H01H31/24 (71)Name of Applicant : (31) Priority Document No 1)PANASONIC CORPORATION :2011-225960 (32) Priority Date Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka :13/10/2011 (33) Name of priority country :Japan 5718501 Japan (72)Name of Inventor: (86) International Application No :PCT/JP2012/076531 Filing Date :12/10/2012 1)KOEDA Rvousuke (87) International Publication No :WO 2013/054924 2)WATANABE Shingo (61) Patent of Addition to Application :NA :NA Filing Date

(57) Abstract:

Filing Date

A disconnector provided with: a contact section having a stationary contact and a movable contact that can be brought into contact with or moved away from the stationary contact; a shaft for moving the movable contact in an advancing/retracting manner relative to the stationary contact; an open/close mechanism part for moving the shaft in an advancing/retracting manner between a closed contact position at which the movable contact is in contact with the stationary contact and an open contact position at which the movable contact is separated from the stationary contact; and a case for housing at least the contact section and the shaft. The open/close mechanism part comprises: an operation lever disposed so that the operation portion protrudes to the exterior from the case; an arm which rotates according to the operation performed on the operation lever and thereby causes the shaft to move between the open contact position and the closed contact position; and a wheel which is rotatably attached to the case. A rotation groove part in which the wheel is disposed so as to be capable of moving when the arm rotates is provided to the arm.

No. of Pages: 29 No. of Claims: 5

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: NONLINEAR IMAGING WITH DUAL BAND PULSE COMPLEXES

(51) International classification :A61B5/05,A61B8/14,G01S7/52 (71)Name of Applicant :

(31) Priority Document No :61/542511 (32) Priority Date :03/10/2011

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/NO2012/050190

Filing Date :03/10/2012 (87) International Publication No: WO 2013/051943

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)SURF TECHNOLOGY AS

Address of Applicant : Richard Birkelands vei 2B N 7491

Trondheim Norway (72)Name of Inventor: 1)ANGELSEN Bj. rn A.J.

2)TANGEN Thor Andreas

#### (57) Abstract:

The invention presents methods and instrumentation for measurement or imaging of a region of an object with waves of a general nature for example electromagnetic (EM) and elastic (EL) waves where the material parameters for wave propagation and scattering in the object depend on the wave field strength. The invention specially addresses suppression of 3rd order multiple scattering noise referred to as pulse reverberation noise and also suppression of linear scattering components to enhanced signal components from nonlinear scattering. The pulse reverberation noise is divided into three classes where the invention specially addresses Class I and Class II 3rd order multiple scattering that are generated from the same three scatterers but in opposite sequence. One specially addresses methods to achieve close to the same sensitivity to the Class I and II pulse reverberation noise which simplifies the suppression of both classes combined and methods for estimation of suppression of pulse reverberation noise that compensates for the difference between Class I and Class II noise. The methods are based on transmission of dual band pulse complexes composed of a low frequency (LF) pulse and a high frequency (HF) pulse where the LF pulse is used to nonlinearly manipulate the object parameters observed by the co propagating HF pulse. One or both of scattered and transmitted components from the HF pulse are picked up and further processed to suppress pulse reverberation noise and enhance nonlinear scattering components.

No. of Pages: 109 No. of Claims: 38

(21) Application No.2304/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013

(43) Publication Date: 13/02/2015

## (54) Title of the invention: CONNECTOR

(31) Priority Document No :2012- 196313	(71)Name of Applicant: 1)SUMITOMO WIRING SYSTEMS, LTD. Address of Applicant: 1-14, NISHISUEHIRO-CHO, YOKKAICHI, MIE 510-8503 JAPAN (72)Name of Inventor: 1)YOSHIHIRO MIZUTANI 2)SHINJI HIRANO 3)KEISHI KITAMURA 4)TAKAO HATA
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#### (57) Abstract:

An object of the present invention is to prevent the defomnation of tabs. At least three or more entrance restricting portions 30, 31 and 32 arranged in a width direction at each of substantially opposite sides of a plurality of tabs 20, 21 in a height direction project in a receptacle 10. A plurality of drop-in spaces 3A to 3E are successively formed in the width direction, each being formed at an inner side of a plurality of entrance restricting portions 30, 31 and 32 adjacently arranged at the substantially opposite sides of the tabs 20, 21. When a spherical surface of a spherical body 201 inserted into the receptacle 10 from front comes into contact with the front ends of a plurality of entrance restricting portions 30, 31 and 32 and a top 202 on a central axis of the spherical body 201 is inserted into the drop-in spaces 3A to 3E, the tabs 20, 21 are arranged at positions different from the top 202 in a planar view in any of the plurality of drop-in spaces 3A to 3E.

No. of Pages: 58 No. of Claims: 11

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONNECTOR, CONNECTOR ASSEMBLY AND ASSEMBLY METHOD

(51) International classification	:H01R13/00	(71)Name of Applicant :
(31) Priority Document No	:2012- 196323	1)SUMITOMO WIRING SYSTEMS, LTD. Address of Applicant :1-14, NISHISUCHIRO-CHO,
(32) Priority Date	:06/09/2012	YOKKAICHI, MIE 510-8503 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOSHIHIRO MIZUTANI
Filing Date	:NA	2)SHINJI HIRANO
(87) International Publication No	: NA	3)KEISHI KITAMURA
(61) Patent of Addition to Application Number	:NA	4)TAKAO HATA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5-1) A1		•

#### (57) Abstract:

An object of the present invention is to prevent sealability from being impaired. Ribs 305, 306 are formed to project from the inner surface of a receptacle 301 of a second housing 300. A first housing 10 includes a housing main body 11 fittable into the receptacle 301, a seal ring 50 for sealing between the first and second housings 10, 300 is externally mounted on the housing main body 11 and a retaining member is mounted into the housing main body 11. The retaining member includes a pressing surface 67, 90 for preventing the detachment of the seal ring 50 and grooves 68, 86 into which the ribs 305, 306 are inserted when the first and second housings are connected. Reverse tapered surfaces 74, 91 indined toward the housing main body 11 to approach the pressing surface 67, 90 are formed on the back surfaces of the grooves 68, 86 at a side facing and opposite to the pressing surface 67, 90 of the retaining member.

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

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention : PANTOGRAPH FOR WINDSHIELD WIPERS ESPECIALLY AUTOMOTIVE ONES AND AN ADAPTER FOR THE PANTOGRAPH

(21) Application No.3587/DELNP/2014 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B60S1/34 :P-396856 :02/11/2011 :Poland :PCT/EP2012/071044 :24/10/2012 :WO 2013/064404 :NA :NA	(71)Name of Applicant:  1)VALEO AUTOSYSTEMY SP. Z.O.O.  Address of Applicant: Przemyslowa 3 PL 32 050 Skawina Poland (72)Name of Inventor:  1)ORZEL Wojciech
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a pantograph for wipers especially automotive wipers comprising a main arm designed for fastening to a main shaft and an auxiliary arm designed for fastening to an auxiliary shaft comprising an auxiliary rod and an adapter for fastening the auxiliary rod to the auxiliary shaft characterized in that said adapter (6) has a socket (9) for fitting the auxiliary shaft (5) in it and an undercut (8) made in the lateral surface of the adapter (6) and connected to the aforesaid socket (9) wherein the undercut (8) is of such a size that it can contain the auxiliary shaft (5). The invention also includes an adapter for a pantograph for wipers especially automotive wipers characterized in that it has a socket (9) for fitting the auxiliary shaft (5) in it and an undercut (8) made in the lateral surface of the adapter (6) and connected to the aforesaid socket (9) wherein the undercut (8) is of such a size that it can contain the auxiliary shaft (5). The invention also includes an auxiliary rod (7) designed for snap connection to said adapter.

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

(21) Application No.3588/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : POWER RECEIVING DEVICE OF VEHICLE POWER TRANSMITTING DEVICE AND NONCONTACT POWER TRANSMITTING/RECEIVING SYSTEM

(51) International classification :B60L11/18,B60L3/00,B60L5/00 (71)Name of Applicant: (31) Priority Document No 1)TOYOTA JIDOSHA KABUSHIKI KAISHA (32) Priority Date Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 :NA (33) Name of priority country :NA (86) International Application (72)Name of Inventor: :PCT/JP2011/075673 1)ICHIKAWA Shinji :08/11/2011 Filing Date (87) International Publication No:WO 2013/069089 (61) Patent of Addition to ·NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A power receiving device of a vehicle is provided with: a power receiving unit (110) which is configured to be able to receive power from a power transmitting device (200) in a noncontact manner; a communication unit (160) which transmits information relating to the position or size of the power receiving unit (110) to the power transmitting device (200); and a vehicle ECU (300) which controls the communication unit (160). Preferably the vehicle ECU (300) transmits prestored information to the power transmitting device (200) by means of the communication unit (160) before parking a vehicle (100) at the power receiving position of the power transmitting device (200). The information includes at least any one of the size of the power receiving unit (110) the size of the vehicle (100) in which the power receiving unit (110) is mounted and the mounting position of the power receiving unit (110) in the vehicle (100).

No. of Pages: 80 No. of Claims: 16

(21) Application No.2096/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: THAWING VESSEL FOR BIOLOGICAL PRODUCTS

(51) International classification	:A61K48/00	(71)Name of Applicant:
(31) Priority Document No	:61/675572	1)GRIFOLS, S.A.
(32) Priority Date	:25/07/2012	Address of Applicant :C/JESUS Y MARIA, 6 08022
(33) Name of priority country	:U.S.A.	BARCELONA-SPAIN Spain
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VELAYUDHAN, AJOY
(87) International Publication No	: NA	2)LARGE, ROBERT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Described herein are devices and methods for thawing frozen biological products efficiently without harming the products.

No. of Pages: 36 No. of Claims: 31

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: YARN DEFECT DETECTING DEVICE AND WINDING DEVICE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2012- 167227	1)MURATA MACHINERY, LTD. Address of Applicant :3, MINAMI OCHIAI-CHO,
(32) Priority Date	10/==/	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENJI KAWAMOTO
(87) 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 yarn defect detecting device (10) includes a yarn defect determining section (22) that determines, as a defect, a part of a yarn having a thickness falling outside a thickness threshold specified as a determination threshold and having a length equal to or larger than a reference length, an end point identifying section (21) that identifies an end point of the defect in a longitudinal direction when the part of the yarn is determined as the defect by the yarn defect determining section (22), and a cutter (9) that cuts the yarn when the end point identifying section (21) identifies the longitudinal direction end point of the defect. REFER TO FIGURE 3 [Abstract][Problems to be Solved] To provide a yarn defect detecting device C and a winding device capable of detecting a plurality of yarn defects each having a length equal to or larger than a reference length collectively as one defect. [Means for Solving the Problems] A yarn defect detecting device (10) includes a clearer head (51) that measures a thickness of a travelling yarn and detects a yarn unevenness, a yarn defect determining section (22) that determines based on a determination i i threshold of a defect of the yarn, whether a part of which thickness falls outside a thickness threshold specified as the determination threshold has a length equal to or more than a reference length and 1 determines, when the part of the yarn having the yarn unevenness has a length equal to or larger than the reference length, the part of I which thickness falls outside the thickness threshold specified as the determination threshold, as a defect, a part of a yarn having a thickness falling outside a thickness threshold specified as a I determination threshold and having a length equal to or larger than a reference length, an end point identifying section (21) that identifies an end point of the defect in a longitudinal direction when the part of the yarn is determined as the defect by the yarn defect determining section (22), and a cutter (9) that cuts the yarn when the end point identifying section (21) identifies the longitudinal direction end point of the defect.

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

(21) Application No.3590/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: BLOOD COLLECTION ASSEMBLY

(51) International classification	:A61B5/15,A61B5/153	(71)Name of Applicant:
(31) Priority Document No	:61/549,544	1)BECTON DICKINSON AND COMPANY
(32) Priority Date	:20/10/2011	Address of Applicant :1 Becton Drive Franklin Lakes New
(33) Name of priority country	:U.S.A.	Jersey 07417 U.S.A.
(86) International Application No	:PCT/US2012/060783	(72)Name of Inventor:
Filing Date	:18/10/2012	1)CHOON MENG Lau Steven
(87) International Publication No	:WO 2013/059431	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A blood collection cartridge (2) has a distal end (22) a proximal end (23) and defines a container interior (26). The cartridge includes a resealable closure (40) sealing the distal end of the container having a closure distal end (41) and a closure proximal end (42). The cartridge also includes a cap (60) sealing the proximal end of the container having a cap distal end and a cap proximal end. The cartridge further includes a stopper (32) disposed within the container interior sized relative to the container to provide sealing engagement with the side wall (25) of the container the stopper having a stopper distal end (34) and a stopper proximal end (35). A first fluid reservoir (28) is bounded by the sidewall between the closure proximal end and the stopper distal end and a second fluid reservoir is bounded by the sidewall between the cap distal end and the stopper proximal end. An anticoagulant is disposed within the first fluid reservoir.

No. of Pages: 29 No. of Claims: 21

(21) Application No.2091/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ARRANGEMENT, METHOD AND DEVICE FOR PACKAGING OF INDIVIDUAL, SMALL ARTICLES

(51) International classification	:B65D	(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)ROBERT BOSCH GMBH
•	213133.7	Address of Applicant :POSTFACH 30 02 20, 70442
(32) Priority Date	:26/07/2012	STUTTGART, GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)IPPERS, JUERGEN
Filing Date	:NA	2)MUEHLBERG, MIKE
(87) 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 subject matter relates to an arrangement (I), comprising a packaging foil (2), and a smaller article (12), preferably a bonbon, packed individually in the packaging foil (2), wherein the packaging foil (2) is formed at a first rotating element (4) and a second rotating element (5), and wherein a longitudinal seam (8) of the packaging foil (2) is formed between the first rotating element (4) and the second rotating element (5), wherein the longitudinal seam (8) is formed by ultrasonic sealing of at least two layers of the packaging foil (2).

No. of Pages: 15 No. of Claims: 11

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR PRODUCING APERTURES IN TUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F23D14/00 :102012014073.8 :12/07/2012 :Germany :NA :NA	(71)Name of Applicant:  1)MODINE MANUFACTURING COMPANY Address of Applicant: 1500 DEKOVEN AVENUE RACINE WI 53403-2552 UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)KLAUS KALBACHER
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	•	

### (57) Abstract:

Methods for producing slots in tube walls are described and illustrated, along with devices for producing slots in tube walls. In some cases, a first number of punches arranged in a row pierce through the tube wall and in so doing produce slots, followed by another number of punches piercing through the tube wall in such a way that the slots produced by the first number of punches alternate with respect to the slots produced by the second number of punches. Also, in some cases an internal support is used, whereby small slots are first produced in the tube wall while the internal support is within the tube. After the internal support is removed, the slots are widened to finished dimensions. The internal support can include upper and lower parts designed to engage one another in a sawtooth or undulating manner.

No. of Pages: 20 No. of Claims: 22

(22) Date of filing of Application :04/02/2013

(43) Publication Date: 13/02/2015

(54) Title of the invention: PROCESS FOR THE ENXYMATIC SYNTHESIS OF (7S)-3,4- DIMETHOXYBICYCLO [4.2.0] OCTA-1,3,5-TRIENE-7-CARBOXYLIC ACID OR ESTERS THEREOF AND APPLICATION IN THE SYNTHESIS OF IVABRADINE AND SALTS THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C07C :12/51195 :09/02/2012 :France	(71)Name of Applicant:  1)LES LABORATORIES SERVIER  Address of Applicant: 35 RUE DE VERDUN 92284  SURESNES CEDEX, FRANCE
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANDRINE PEDRAGOSA
(87) International Publication No	: NA	2)FRANCOIS LEFOULON
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Process for the enzymatic synthesis of the compound of formula (I): R,O wherein R1 represents a hydrogen atom or an alkyl group. Application in the synthesis of ivabradine and addition salts thereof with a pharmaceutically 10 acceptable acid.

No. of Pages: 32 No. of Claims: 28

(21) Application No.3593/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: MIXING ELEMENT FOR CONTAINER ASSEMBLIES

(51) International classification :A61J1/00,A61M5/20,A61M5/24 (71)Name of Applicant:

(31) Priority Document No :61/549,475 (32) Priority Date :20/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/060771

No :18/10/2012 Filing Date

(87) International Publication No:WO 2013/059425

(61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)BECTON DICKINSON AND COMPANY

Address of Applicant: 1 Becton Drive Franklin Lakes New

Jersey 07417 U.S.A. (72)Name of Inventor: 1)CHEE MUN Kuan

### (57) Abstract:

A container assembly with improved mixing dynamics for mixing substances in preparation for injection by an injection device or for the dispersion of additives in the collection and analysis of biological samples is disclosed. In one configuration the container assembly includes a first mixing element protruding into an interior of a container. With the container rotated about its longitudinal axis the first mixing element forms at least one vortex which effectuates mixing of a first substance provided within the container interior and a second substance provided within the container interior.

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

(21) Application No.3594/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: METHOD FOR GRANULATION OF SINTERING RAW MATERIAL

(51) International classification :C22B1/16,B02C19/22,B03B5/28 (71) Name of Applicant: (31) Priority Document No :2011-224172

(32) Priority Date :11/10/2011 (33) Name of priority country :Japan

(86) International Application :PCT/JP2012/005794

:12/09/2012 Filing Date

(87) International Publication :WO 2013/054471

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

1)YAMAGUCHI Yasuhide

2)KAMIJO Chikashi

3)KAWAGUCHI Takazo

#### (57) Abstract:

This method for granulation of sintering raw material includes wet pulverization of iron ore using a vertical pulverizer having a pulverization unit formed from a cylindrical vessel provided with screw blades on a vertical central shaft that is driven rotatably a sorting unit that sorts by the action of gravity and centrifugal force and a circulation unit that circulates the underflow that has been sorted by the sorting unit to the cylindrical vessel of the pulverization unit and granulation after adding an iron ore slurry from this wet pulverization to all or part of a sintering raw material. By using the sintering raw material granulated by this method high quality fine powdered iron ore of a specific brand such as Pellet Feed can be mixed in with large amounts and even when the proportion of fine powder in the sintering raw material is increased air permeability of the filling layer can be assured and productivity for sintered ore can be maintained inexpensively.

No. of Pages: 33 No. of Claims: 2

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ENGINE START CONTROL DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:2012- 259976	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO 107-8556 JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)KANICHIRO OGIYA
Filing Date	:NA	2)TETSUO TAKESHIGE
(87) 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 engine start control device which can inform an occupant of lowering of a residual amount of a battery by controlling the start of an engine at the time of starting the engine [Means for Resolution] In an engine start control device including: an ACG starter motor 18 which functions as a starter motor at the time of starting an engine and also functions as a generator after starting the engine; a battery 19 which stores electricity generated by the ACG starter motor 18 and supplies the electricity to the ACG starter motor 18 at the time of starting the engine; and a start time delay control means 46 which controls electricity to be supplied to the ACG starter motor 18, the engine start control device further includes: a charge state detection means 41 which detects a charge state of the battery 19. The start time delay control means 46 executes a start time delay control where when the charge state detection means 41 determines that an amount of charge in the battery 19 is below a predetermined value, a time until the engine is started at the time of starting the engine is prolonged.

No. of Pages: 40 No. of Claims: 6

(21) Application No.2221/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: BATTERY MODULE

(51) International classification	:H01M6/42	(71)Name of Applicant :
(31) Priority Document No	:102012108767.9	1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT
(32) Priority Date	:18/09/2012	Address of Applicant :PORSCHEPLATZ 1, 70435
(33) Name of priority country	:Germany	STUTTGART, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TIM SCHMIDT
(87) International Publication No	: NA	2)DIETMAR LUZ
(61) Patent of Addition to Application Number	:NA	3)JEREMY CURNOW
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a battery module having at least four battery cells which are cooled via a cooling plate which is arranged between them. It is essential to the invention here that fins are arranged which project on the cooling plate and at the same time serve as stop for individual battery cells. As a result, a powerful and very rigid battery module is provided which, in addition, is of structurally simple construction.

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

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: METHOD AND DEVICE FOR DISPLAYING LINK DIGEST INFORMATION

(51) International classification	:H04L12/58	(71)Name of Applicant :
(31) Priority Document No	:201110319826.0	1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY
(32) Priority Date	:19/10/2011	LIMITED
(33) Name of priority country	:China	Address of Applicant :Room 403 East Block 2 SEG Park
(86) International Application No	:PCT/CN2012/076730	Zhenxing Road Futian District Shenzhen Guangdong 518057
Filing Date	:11/06/2012	China
(87) International Publication No	:WO 2013/056558	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)JI Mingzhong
Number	:NA	2)DING Zaimao
Filing Date	.NA	3)LI Hongwei
(62) Divisional to Application Number	:NA	4)LV Mengwei
Filing Date	:NA	5)ZHANG Yuhui

#### (57) Abstract:

Disclosed are a method and device for displaying link digest information. The method includes: according to a URL input by a user in an instant messenger software window downloading the content corresponding to the URL from the Internet; then performing analysis according to the download content to acquire the digest information corresponding to the URL; and displaying the digest information in the instant messenger software window. The above technical solution can display digest information for a link input by a user in an instant messenger software window and can enable same to be shared with an SNS community conveniently so that the functions of the instant messenger software can be expanded improving user experience.

No. of Pages: 11 No. of Claims: 6

(21) Application No.3531/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FUEL INJECTOR WITH INJECTION CONTROL VALVE CARTRIDGE

(51) International classification	:F02M51/06,F02M61/04,F02M61/16	1)CUMININS INC.
(31) Priority Document No (32) Priority Date	:61/554,117 :01/11/2011	Address of Applicant :500 Jackson Street Columbus Indiana 47201 U.S.A.
(32) Phonty Date (33) Name of priority	.01/11/2011	
country	:U.S.A.	(72)Name of Inventor : 1)MORRIS Corydon E.
(86) International Application No Filing Date	:PCT/US2012/063111 :01/11/2012	1)MORRIS COLYGON E.
(87) International Publication No	:WO 2013/067215	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A fuel injector that includes an injector control valve assembly. The injector control valve assembly includes a contact spring positioned between a fuel injector upper body and the injector control valve assembly to isolate a stator housing from clamping forces that occur during fuel injector assembly and clamping in an internal combustion engine. The injector control valve assembly further includes a cartridge configuration that permits preassembly of the injector control valve assembly prior to mounting in the fuel injector.

No. of Pages: 31 No. of Claims: 20

(21) Application No.3597/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: FLUID FILLED FREQUENCY DEPENDENT DAMPER

(51) International classification :F16F9/512,F16F9/516,F16F9/46 (71) Name of Applicant:

(31) Priority Document No :2007530 (32) Priority Date :04/10/2011

(33) Name of priority country :Netherlands (86) International Application

:PCT/NL2012/050692 No :03/10/2012

Filing Date

(87) International Publication No:WO 2013/051934

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)KONI B.V.

Address of Applicant: Langeweg 1 NL 3261 LJ Oud

Beijerland Netherlands (72)Name of Inventor: 1)DE KOCK Paul

## (57) Abstract:

A fluid filled frequency dependent damper comprises a cylinder connected to a cylinder attachment portion; a piston connected to a piston attachment portion the piston being displaceable in the cylinder; a first main chamber; a second main chamber; and a throttling member for allowing and influencing a fluid flow between the first and second main chambers within the damper when the cylinder attachment portion and the piston attachment portion move away from and/or move towards each other. The throttling member comprising an auxiliary cylinder and an auxiliary piston provided in the auxiliary cylinder. The auxiliary piston divides the auxiliary cylinder in a first auxiliary chamber comprising a first opening providing a fluid connection of the first auxiliary chamber with one of the first and second main chambers the first opening being closable by a first part of the auxiliary piston and a second opening providing a fluid connection of the first auxiliary chamber with the other one of the first and second main chambers; and a second auxiliary chamber in fluid connection with the other one of the first and second main chambers via a throttling passage. The first opening is closed by the auxiliary piston in a rest position and is opened by movement of the auxiliary piston in the auxiliary cylinder.

No. of Pages: 19 No. of Claims: 20

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HIGH POWERED OPTICAL MODULE SAFETY SYSTEMS AND METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N21/49 :13/593,212 :23/08/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	
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### (57) Abstract:

A method, optical module, and optical amplifier are configured to detect fiber discontinuities at or near a port firom which high powered optical signals are input into a fiber span. These fiber discontinuities can include fiber pinches, and are detected by monitoring for slight changes in a backscatter signal. Detection is quick and efficient based on the backscatter signal being attenuated by the fiber discontinuities twice, namely once as the high powered optical signals and again as the associated backscatter signal of the high powered optical signals returning to the port. Various remedial actions can be taken upon detecting fiber pinches at or near the port.

No. of Pages: 29 No. of Claims: 20

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : SOLID DOSAGE FORMS OF (S) ETHYL 2 AMINO 3 (4 (2 AMINO 6 ((R) 1 (4 CHLORO 2 (3 METHYL 1H PYRAZOL 1 YL)PHENYL) 2 2 2 TRIFLUOROETHOXY)PYRIMIDIN 4 YL)PHENYL)PROPANOATE

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application  17/10/2011  2U.S.A. PCT/US2012/060338 (72 16/10/2012  1 WO 2013/059146 2 NΔ  3	1)LEXICON PHARMACEUTICALS INC.  Address of Applicant :8800 Technology Forest Place The Woodlands TX 77381 U.S.A.
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#### (57) Abstract:

Solid pharmaceutical dosage forms comprising (S)-ethyl 2-amino-3-(4-(2-amino-6-((R)-1-(4-chloro-2-(3-methyl-1Hpyrazol- l-yl)phenyl)-2,2,2-trifluoroethoxy)pyrimidin-4-yl)phenyl)propanoate (telotristat) are disclosed, as well as methods of making them and compositions useful in their manufacture.

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

(21) Application No.3601/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD COMPUTER PROGRAM COMPUTER READABLE MEDIUM AND COMPUTING UNIT FOR OPERATING FIELD DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> Number	:G05B19/042 :11189615.5 :17/11/2011 :EPO :PCT/EP2012/072753 :15/11/2012 :WO 2013/072425 :NA :NA	(71)Name of Applicant:  1)VEGA GRIESHABER KG  Address of Applicant: Hauptstr. 1 5 77709 Wolfach Germany (72)Name of Inventor:  1)FAIST Fridolin  2)WETTLIN Martin
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An automatic cyclical monitoring process of a communication interface of a computing unit is carried out in order to operate a field device in the area of process automation. If a field device is connected to said communication interface the device is automatically determined. A field device operating software is then automatically started if the field device software can be paired with the field device. After starting the operating software the suitable device driver is automatically determined and then uploaded. In this manner the operation of field devices in particular in complex field device networks is simplified to a high degree.

No. of Pages: 20 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: VACCINES DIRECTED AGAINST HUMAN ENTEROVIRUSES

(51) International :A61K39/125,A61K39/13,A61K39/135 classification

(31) Priority Document :PI2011005318

(32) Priority Date :03/11/2011 (33) Name of priority :Malaysia

country

(86) International :PCT/IB2012/003114 Application No

:01/11/2012 Filing Date

(87) International :WO 2013/098655 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA

Filing Date

### (71)Name of Applicant:

#### 1)SENTINEXT THERAPEUTICS SDN BHD

Address of Applicant: Suite 19 h Level 19 Menara Northam 55 Jalan Sultan Ahmad Shah Penang 10050 Malaysia

(72)Name of Inventor:

1)CARDOSA Mary Jane

2)JAMILUDDIN Mohamad Fakruddin

(21) Application No.3602/DELNP/2014 A

3)HAMID Sharifah Binti

#### (57) Abstract:

The instant invention provides materials and methods for producing immunologically active antigens derived from members of the Picornaviridae virus family. The picomavirus antigens of the invention may be in a form for use as a vaccine administered to a subject in a therapeutic treatment or for the prevention of a picomavirus infection. The picomavirus antigens of the invention may be in the form of an immunogenic composition for use in vaccines which are administered for the prevention of an Enterovirus infection. The instant invention further encompasses immunogenic compositions comprising Human enterovirus A, Human enterovirus B, Human enterovirus C, Human enterovirus D antigens and their use in vaccines for the prevention of an Enteovirus infection.

No. of Pages: 101 No. of Claims: 55

(19) INDIA

(43) Publication Date: 13/02/2015

(21) Application No.3603/DELNP/2014 A

(22) Date of filing of Application :02/05/2014

# (54) Title of the invention : METHOD FOR CHANGING THE WIRELESS ACCESS POINT ASSOCIATED WITH A TERMINAL IN A WIFI DECT WIRELESS TELECOMMUNICATIONS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04W36/00 :11306489.3 :15/11/2011 :EPO :PCT/EP2012/071211 :26/10/2012 :WO 2013/072176	(71)Name of Applicant: 1)ALCATEL LUCENT Address of Applicant: 3 Avenue Octave Grard F 75007 Paris France (72)Name of Inventor: 1)BRUNNER Frdric
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

## (57) Abstract:

This method for changing the radio access point associated with a terminal, within a Wi-Fi-DECT wireless telecommu nication network comprising dual-mode Wi-Fi-DECT radio terminals (PP) and Wi-Fi-DECT radio access points (API, AP2) connected to a local area network; comprises a step consisting of changing the Wi-Fi-DECT radio access point for the Wi-Fi part of the terminal in question (PP) whenever it is decided to change the Wi-Fi-DECT radio access point for the DECT part of the terminal in question (PP).

No. of Pages: 18 No. of Claims: 6

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: PNEUMATIC RADIAL TIRE FOR PASSENGER CAR AND METHOD FOR USE THEREOF

(51) International classification: B60C11/03, B60C3/04, B60C11/04 (71) Name of Applicant:

:02/11/2012

(31) Priority Document No :2011-241564 (32) Priority Date :02/11/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/007044

Filing Date

(87) International Publication :WO 2013/065319

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BRIDGESTONE CORPORATION

Address of Applicant: 10 1 Kyobashi 1 chome Chuo ku Tokyo

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(72)Name of Inventor: 1)HATANAKA Shintaro 2)MATSUMOTO Hirovuki

3)KUWAYAMA Isao

#### (57) Abstract:

This pneumatic radial tire for a passenger car is configured so that the relationship between the cross sectional width (SW) and outer diameter (OD) of the tire is appropriately restricted. Also this pneumatic radial tire for a passenger car has either only at least a single main groove (2a) extending in the circumferential direction of the tread or the main groove (2a) and at least a single auxiliary groove (2b) other than the main groove (2a) the auxiliary groove (2b) having a width of 2 mm or less. In addition this pneumatic radial tire for a passenger car is configured so that the negative ratio of the main groove (2a) is in the range from 12% to 20% inclusive.

No. of Pages: 45 No. of Claims: 8

(22) Date of filing of Application :03/05/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: DRUGS FOR INHIBITING P38 AND USES THEREOF

:NA

:NA

(51) International classification :A61K31/4245,C07D271/12 (71)Name of Applicant : (31) Priority Document No 1)UNIVERSIDAD AUTNOMA DE MADRID :P201131754 (32) Priority Date Address of Applicant :c/ Einstein 3 28049 Madrid Spain :02/11/2011 (33) Name of priority country (72)Name of Inventor: :Spain (86) International Application No :PCT/ES2012/070762 1)MAYOR MEN‰NDEZ Federico 2)MURGA MONTESINOS Cristina Filing Date :31/10/2012 (87) International Publication No 3)CAMPOS MUELAS Pedro Manuel :WO 2013/064714 (61) Patent of Addition to Application :NA 4)HEIJNEN Jacoba Johana Number 5)KAVELAARS Anna Maria Agnes Antonius :NA Filing Date 6)MORREALE DE LEN Antonio (62) Divisional to Application 7)GIL REDONDO Rubn

(57) Abstract:

Filing Date

Number

The invention relates to compounds with amino benzooxadiazolyl structure which are capable of inhibiting the activation or the biological activity of mitogen activated protein kinase (MAPK) p38 and the use thereof in the treatment of a disease which can be relieved by inhibiting the activation or biological activity of said MAPK p38 for example an inflammatory or painful disease.

No. of Pages: 56 No. of Claims: 30

(22) Date of filing of Application :03/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : MAGNETIC DRUM FOR THE MAGNETIC SEPARATION OF IRON PARTICLES INCLUDING AT LEAST 18 STRAIGHT MAGNETIC PLATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:29/12/2011 :WO 2013/063712	(71)Name of Applicant:  1)CAVERO ROSALES Luis  Address of Applicant: Pedro Antonio Gonzilez Nro.3755  Estaci³n Central C³digo Postal: 9160538 Santiago Chile (72)Name of Inventor:  1)CAVERO ROSALES Luis
(87) International Publication No		T)CAVERO ROSALES Luis

#### (57) Abstract:

The invention relates to a magnetic drum for magnetic separation of iron particles from ironsand which includes an outer body or hollow cylindrical casing; two side covers one for each end of the casing; and an inner body or core which includes sheet metal discs evenly distributed and connected to a central shaft and at least 18 straight magnetic plates which are positioned radially on the outer surface of the core and which are supported by the discs. The invention also describes the magnetic separation system for the magnetic separation of iron particles from ironsand which includes a magnetic drum such as described above two boxes with the corresponding support and rotation bearings thereof positioned at either end of the drum a metal box for holding the drum two gear motors with the corresponding shafts and cog belts two metal delivery boxes; an electrical panel having variable frequency drives a loading bin and a flow regulator. In addition the invention describes a method for arming the magnetic separation system for the magnetic separation of iron particles from ironsand and the magnetic separation method for separating iron particles from ironsand.

No. of Pages: 17 No. of Claims: 13

(21) Application No.3612/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD FOR PRODUCING NITROGEN GAS METHOD FOR SEPARATING GAS AND DEVICE FOR PRODUCING NITROGEN GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2011-246604 :10/11/2011 :Japan :PCT/JP2012/079119 :09/11/2012 :WO 2013/069768 :NA :NA	(71)Name of Applicant:  1)TAIYO NIPPON SANSO CORPORATION  Address of Applicant: 3 26 Koyama 1 chome Shinagawa ku Tokyo 1428558 Japan (72)Name of Inventor:  1)KOKUBU Makiya 2)SAKAMOTO Hidehisa
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for producing nitrogen gas from raw materials using a PSA method is characterized in that using a second adsorbent charged in an auxiliary adsorption tank provided in line to connect two main adsorption tanks charged with a first adsorbent the oxygen concentration in recovery gas drawn from the main adsorption tank operating under depressurization equalization is reduced and said gas is conducted to the main adsorption tank operating under pressurization equalization.

No. of Pages: 56 No. of Claims: 10

(21) Application No.3613/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: LIFT AXLE SUSPENSION SYSTEM INCORPORATING COIL SPRINGS

(51) International :B60G9/02,B60G11/27,B60G17/02 classification

(31) Priority Document No :13/269.103 (32) Priority Date :07/10/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/058264

:01/10/2012 Filing Date

(87) International Publication

:WO 2013/052407 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)HENDRICKSON USA L.L.C.

Address of Applicant :500 Park Boulevard Suite 1010 Itasca

IL 60143 U.S.A.

(72)Name of Inventor:

1)GOTTSCHALK Michael J.

#### (57) Abstract:

A lift axle suspension system is provided with a frame bracket member connectable to a vehicle frame an upper control arm and a lower control arm. Each control arm has a first end and a second end with the first end of each control arm being pivotally connected to the frame bracket member. The suspension system also includes an axle connecting member connectable to an axle with the second end of each control arm being pivotally connected to the axle connecting member. A compression coil spring having a first end connected to the lower control arm and a second end connected to the upper control arm serves as a lift mechanism for lifting and lowering the axle connected to the axle connecting member. The compression coil spring may encircle at least a portion of and be substantially coaxial with the lower control arm.

No. of Pages: 26 No. of Claims: 20

(21) Application No.3525/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ENZYME COCKTAILS PREPARED FROM MIXED CULTURES

(51) International classification :C12P39/00,C12P7/06,C12P7/08 (71)Name of Applicant: (31) Priority Document No :61/570,243 (32) Priority Date :13/12/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/067717 Filing Date :04/12/2012

(87) International Publication No: WO 2013/090053 (61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

1)DANISCO US INC.

Address of Applicant :925 Page Mill Road Palo Alto

California 94304 U.S.A. (72)Name of Inventor: 1)ENGLAND George 2) LANTZ Suzanne E.

(57) Abstract:

The application provides methods of producing a mixture of enzymes using two or more cell lines, methods of identifying or constructing cell lines for producing a mixture of enzymes, and methods of preparing a cell bank for producing a mixture of enzymes.

No. of Pages: 105 No. of Claims: 48

(21) Application No.3618/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : GAS TURBINE VANE OFFSET TOWARDS THE LOWER SURFACE OF THE HEAD SECTIONS AND WITH COOLING CHANNELS

(51) International classification :F01D5/20,F01D5/18,F01D5/14 (71)Name of Applicant : (31) Priority Document No :1160465 1)SNECMA (32) Priority Date :17/11/2011 Address of Applicant: 2 Boulevard du Gnral Martial Valin F (33) Name of priority country 75015 Paris France :France (86) International Application No :PCT/FR2012/052604 (72)Name of Inventor: Filing Date :13/11/2012 1) GROHENS Rgis (87) International Publication No :WO 2013/072610 2)BOTREL Erwan Daniel (61) Patent of Addition to :NA

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

(62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The invention relates to a hollow vane (110) comprising a blade extending in a longitudinal direction (R-R), a root and a head, an internal cooling passage (24) and an open cavity delimited by a bottom wall (26) and a flange (28), and cooling channels (132) Connecting said internal cooling passage (24) and the lower surface (16), said cooling channels being inclined with respect to the lower surface (16a), the stack of sections of blade of the vane at the flange (28) of the vane head being offset towards the lower surface (16a). Characteristically, the wall of the lower surface (16) of the blade has a projecting portion (161) and said cooling channels (132) are arranged in said projecting portion (161) such that they open on the end face (161b) of said projecting portion (161).

No. of Pages: 25 No. of Claims: 13

(10) P.P.

(21) Application No.3619/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: VEHICLE STEERING SYSTEM TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:18/10/2012 :WO 2013/070404 :NA :NA :NA	(71)Name of Applicant:  1)THE GATES CORPORATION  Address of Applicant: 1551 Wewatta Street Denver CO 80202  U.S.A. (72)Name of Inventor:  1)SCHNEIDER Dean  2)SERKH Alexander  3)LOVIN Thomas A.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A vehicle steering system transmission comprising a housing an input shaft journalled to the housing an electric motor connected to the housing and coupled to the input shaft an output shaft journalled to the housing the input shaft and the output shaft coupled by a first pair of sprockets having a first belt trained therebetween and having a first ratio the first belt and first pair of sprockets comprising a helical tooth configuration the input shaft and the output shaft coupled by a second pair of sprockets having a second belt trained therebetween and having a second ratio and the input shaft and the output shaft coupled by a third pair of sprockets having a third belt trained therebetween and having a third ratio.

No. of Pages: 47 No. of Claims: 25

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: MULTI LAYER BODIES MADE OF POLYCARBONATE WITH A DEEP GLOSS EFFECT

(51) International (71)Name of Applicant: :C08L69/00,C09D183/04,C08K5/3465 classification 1)BAYER INTELLECTUAL PROPERTY GMBH (31) Priority Document No :11191314.1 Address of Applicant : Alfred Nobel Str. 10 40789 Monheim (32) Priority Date :30/11/2011 Germany (33) Name of priority (72)Name of Inventor: :EPO 1)MEYER Alexander country (86) International 2)REICHENAUER Jrg :PCT/EP2012/073712 Application No 3)CAPELLEN Peter :27/11/2012 Filing Date (87) International :WO 2013/079477 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

#### (57) Abstract:

Filing Date

The present invention relates to dark multi layer bodies made of polycarbonate which are characterised by a glass like deep gloss effect on the surface. The invention also relates to a method for producing these multi layer bodies. The multi layer bodies are preferably made of polycarbonate or polycarbonate blends. The polycarbonate blends can contain additional polymerisates such as elastomers and/or graft polymerisates or additional thermoplastics such as polyester. The invention also relates to the use of the multi layer bodies according to the invention as panels for vehicle parts or as frame parts for multimedia housings.

No. of Pages: 39 No. of Claims: 14

:NA

(21) Application No.3622/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : INJECTION MOULD FOR WIRE SAW METHOD TO PRODUCE A WIRE SAW AND THE WIRE SAW RESULTING THEREFROM

(51) International :B23D61/18,B23D65/00,B28D1/12

:NA

:WO 2013/102542

(31) Priority Document No :12150240.5 (32) Priority Date :05/01/2012

(33) Name of priority country: EPO

(86) International Application

No :PCT/EP2012/075407

Filing Date :13/12/2012

(87) International Publication

No.

(61) Patent of Addition to

Application Number Filing Date

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant: 1)NV BEKAERT SA

Address of Applicant :Bekaertstraat 2 B 8550 Zwevegem

Belgium

(72)Name of Inventor : 1)GHILLEBERT Dieter

2)CLAUWS Raf

3)BAEKELANDT Tom

## (57) Abstract:

In a sawing cord the three constituting elements of steel cord sawing bead and sleeve polymer in between the beads must work optimally together. In order to improve the injection moulding quality the inventors disclose an injection mould wherein the injection channels inject polymer from opposite sides of the steel cord into the injection cavity. The injection mould comprises two half moulds that form the injection cavity when closed. Different preferred embodiments are described inclusive the use of channels having a tree structure preferably a binary channel tree preferably a balanced binary tree and most preferred a balanced binary tree with equal length pathways from feed channel to each injection channel. The use of heated channels is disclosed and the rules for balancing between the number of heated versus non heated channels are explained. Furthermore the method to use such mould and the product resulting from the use of the mould are claimed.

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

(21) Application No.3507/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : LAMP DRIVE POWER SUPPLY AND METHOD FOR CONTROLLING LAMP DRIVE POWER SUPPLY

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No :NA L :NA L :NA PCT/JP2013/061668	(71)Name of Applicant:  1)SHINDENGEN ELECTRIC MANUFACTURING CO. LTD.  Address of Applicant: 2 1 Ohtemachi 2 chome Chiyoda ku Tokyo 1000004 Japan (72)Name of Inventor:  1)TAKASHIMA Toyotaka
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#### (57) Abstract:

This lamp drive power supply supplies to an LED lamp lighting apparatus a drive current for lighting LED lamps by rectifying an alternating current of an alternating current generator said LED lamp lighting apparatus having a plurality of LED lamps connected in series between a first terminal and a second terminal and being capable of switching the LED lamps to be lighted among the LED lamps.

No. of Pages: 41 No. of Claims: 11

(21) Application No.3508/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: LAMP DRIVE POWER SUPPLY AND METHOD FOR CONTROLLING LAMP DRIVE POWER SUPPLY

# (57) Abstract:

An LED lamp lighting apparatus of the present invention is connected between a first power supply terminal on the low potential side of a lamp drive power supply and a second power supply terminal on the high potential side of the lamp drive power supply receives supply of a drive current from the lamp drive power supply and lights a plurality of LED lamps by means of the drive current said LED lamps being connected in series.

No. of Pages: 44 No. of Claims: 10

(21) Application No.3509/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RECOMBINANT HOST CELLS FOR PRODUCING RECOMBINANT TARGET PROTEINS

(51) International classification	:C12P21/00	(71)Name of Applicant :
(31) Priority Document No	:05010276.3	1)ETH ZURICH
(32) Priority Date	:11/05/2005	Address of Applicant :ETH Transfer, Raemistrasse 101, CH-
(22) Nama of priority country	:EUROPEAN	8092 Zurich, Switzerland Switzerland
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2006/004397	1)MARKUS AEBI
Filing Date	:10/05/2006	2)MICHAEL KOWARIK
(87) International Publication No	: NA	3)UMESH AHUJA
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:8863/DELNP/2007	
Filed on	:19/11/2007	

#### (57) Abstract:

The present invention relates to a recombinantly produced host cell, which is E. coli, into -which is introduced: a) a nucleic acid encoding a recombinant target protein, wherein the target protein comprises an optimized N-glycosylation amino acid consensus sequence, D/E-X-N-Z-S/T, wherein X and Z are independently selected from any natural amino acid except Pro, and wherein said consensus sequence is recombinantly introduced into said target protein; and b) a nucleic acid encoding an oligosaccharyl transferase.

No. of Pages: 40 No. of Claims: 35

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR SEPARATION METHOD AND APPARATUS

(51) International classification (31) Priority Document No	:F25J3/04 :13/311038	(71)Name of Applicant: 1)PRAXAIR TECHNOLOGY INC.
(32) Priority Date (33) Name of priority country	:05/12/2011 :U.S.A.	Address of Applicant :39 Old Ridgebury Road Danbury CT 06810 U.S.A.
(86) International Application No	:PCT/US2012/065001	(72)Name of Inventor:
Filing Date (87) International Publication No	:14/11/2012 :WO 2013/085679	1)HOWARD Henry Edward 2)WATT Mathew R.
(61) Patent of Addition to Application Number	:NA :NA	3)BERGMAN Thomas J.
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and apparatus to produce oxygen and nitrogen co products in which a compressed a compressed and purified air stream is cooled fully or partially condensed and then rectified in a main distillation column to form a nitrogen rich vapor column overhead and crude liquid oxygen. A crude liquid oxygen stream is depressurized and then stripped in an auxiliary distillation column with a stripping gas to produce an oxygen rich liquid. The nitrogen rich vapor column overhead from the main distillation column is used to form a nitrogen product and the crude liquid oxygen is partially vaporized to produce the stripping gas a residual oxygen rich liquid and liquid nitrogen reflux to the main distillation column. The oxygen product is formed from the residual oxygen rich liquid by either providing the heat exchange duty in condensing the compressed and purified air stream or by condensing nitrogen rich vapor used in refluxing the main distillation column.

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

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

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

(21) Application No.3625/DELNP/2014 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06T19/00 :2011247568 :11/11/2011 :Japan :PCT/JP2012/005904 :14/09/2012 :WO 2013/069189 :NA :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)KASAHARA Shunichi
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#### (57) Abstract:

An apparatus including an image processor configured to receive a video including an object determine a positional relationship between the apparatus and the object and change a positional relationship between an image superimposed on the video and the object when the positional relationship between the apparatus and the object changes.

No. of Pages: 53 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: HEMOSTATIC COMPOSITIONS

(51) International classification :A61K38/38,A61K38/48,A61K47/42

(31) Priority Document No :61/552270 (32) Priority Date :27/10/2011 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/EP2012/071136

Filing Date :25/10/2012

(87) International Publication No :WO 2013/060770

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)BAXTER INTERNATIONAL INC.

(21) Application No.3626/DELNP/2014 A

Address of Applicant :One Baxter Parkway Deerfield Illinois

60015 U.S.A.

2)BAXTER HEALTHCARE SA

(72)Name of Inventor: 1)MCCOY Jill 2)DWYER Joseph F.

3)YANG Ziping

(57) Abstract:

The invention discloses a hemostatic composition comprising crosslinked gelatin in particulate form suitable for use in hemostasis wherein the composition is present in paste form containing 15.0 to 19.5% (w/w) preferably 16.0 to 19.5% (w/w) 16.5 to 19.5% (w/w) 7.0 to 18.5% (w/w) or 17.5 to 18.5% (w/w) more preferred 16.5 to 19.0% (w/w)or 16.8 to 7.8% (w/w) especially preferred 16.5 to 17.5% (w/w) and wherein the composition comprises an extrusion enhancer.

No. of Pages: 32 No. of Claims: 15

(21) Application No.3536/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD FOR PRODUCING MEGAKARYOCYTES AND/OR PLATELETS FROM PLURIPOTENT STEM CELLS

(51) International :C12N5/0789,A61K35/14,A61P7/04

classification (31) Priority Document No :2011-219545

:03/10/2011 (32) Priority Date (33) Name of priority country: Japan

(86) International Application: PCT/JP2012/075705

No :03/10/2012 Filing Date

(87) International Publication :WO 2013/051625

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)NISSAN CHEMICAL INDUSTRIES LTD.

Address of Applicant: 7 1 Kanda Nishiki cho 3 chome

Chiyoda ku Tokyo 1010054 Japan

2) THE UNIVERSITY OF TOKYO

(72)Name of Inventor: 1)NISHINO Taito

2)NAKAMURA Takanori 3)IWAMOTO Shunsuke

4)ETO Koji

5)NAKAUCHI Hiromitsu

6)TSUJI Kayoko

#### (57) Abstract:

Provided is an inducing agent for megakaryocytes and/or platelets from pluripotent stem cells the inducing agent being useful in treating diseases involving thrombopenia. A method for producing megakaryocytes and/or platelets the method comprising: separating hematopoietic progenitor cells and cells that form a septum of a net like structure produced by pluripotent stem cells, in the presence of a compound represented by formula (I) (RR 7, W, X, Y, Z, Ar 1, and n in the formula are defined in the specification), a tautomer of the compound a prodrug, a pharmaceutically acceptable salt of these, or a solvate of these compounds; culturing the resulting hematopoietic progenitor cells in vitro; and differentiating the same into megakaryocytes and/or platelets.

No. of Pages: 81 No. of Claims: 31

(22) Date of filing of Application :01/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: POLYETHER PREPARATION METHOD PREPOLYMER PREPARATION METHOD AND MODIFIED SILICONE POLYMER PREPARATION METHOD

(51) International :C08G65/28,C08G65/336,C09K3/10 classification

(31) Priority Document No :2011241910

:04/11/2011 (32) Priority Date (33) Name of priority country: Japan

(86) International :PCT/JP2012/078388 Application No

:01/11/2012 Filing Date

(87) International Publication :WO 2013/065802

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)ASAHI GLASS COMPANY LIMITED

Address of Applicant: 5 1 Marunouchi 1 chome Chiyoda ku

Tokyo 1008405 Japan (72)Name of Inventor: 1)ARAI Takeaki 2)SUZUKI Tomovuki

3)SUZUKI Chitoshi 4)TANAKA Hideaki

#### (57) Abstract:

In order to make it possible to prepare high molecular weight polyethers with lower viscosity this polyether preparation method has a polymerization step in which a polyether is obtained by subjecting a monoepoxide with a carbon number of two or greater to ring opening addition polymerization using an initiating agent that has at least one active hydrogen containing functional group in the presence of a catalyst in a mixing vessel (1) wherein the mixing vessel (1) is provided with: a mixing rod (2) that is disposed in the center of the mixing vessel (1) and that can be rotated by an external drive source; plate shaped bottom paddles (5 5) that are mounted on the bottom of the mixing rod (2) and extend in the radial direction of the mixing vessel (1); a lattice wing (6) that is mounted above the bottom paddles (5 5) of the mixing rod (2) and comprises arm paddles (7a 7b 7c) that extend in the radial direction of the vessel and strips (8a 8b) that extend in the axial direction of the vessel; and discharge nozzles (10) that are a supply means for discharging the monoepoxide to at least two locations below the lower edges of the strips (8a 8b) inside the mixing vessel (1).

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

(21) Application No.3539/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PNEUMATIC RADIAL TIRE FOR PASSENGER CAR

	Address of Applicant :10 1 Kyobashi 1 chome Chuo ku Tokyo 1048340 Japan
012/007052 12 3/065322	(72)Name of Inventor: 1)HASEGAWA Kohei 2)KUWAYAMA Isao
	12

# (57) Abstract:

This pneumatic radial tire for a passenger car is configured so that the relationship between the cross sectional width (SW) and outer diameter (OD) of the tire is appropriately restricted. Also this pneumatic radial tire for a passenger car has an appropriately shaped crown.

No. of Pages: 33 No. of Claims: 6

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR DIGITAL IMAGE SIGNAL COMPRESSION USING INTRINSIC IMAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06K9/36 :13/270765 :11/10/2011 :U.S.A. :PCT/US2012/058606 :04/10/2012 :WO 2013/055556 :NA :NA	(71)Name of Applicant:  1)TANDENT VISION SCIENCE INC.  Address of Applicant: 505 Montgomery Street San Francisco CA 94111 U.S.A. (72)Name of Inventor:  1)FRIEDHOFF Richard Mark 2)MAXWELL Bruce Allen 3)SMITH Casey Arthur
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#### (57) Abstract:

In a first exemplary embodiment of the present invention an automated computerized method is provided for processing an image. According to a feature of the present invention the method comprises the steps of providing an image file depicting an image in a computer memory generating an intrinsic image corresponding to the image and compressing the intrinsic image to provide a compressed intrinsic image.

No. of Pages: 50 No. of Claims: 22

(22) Date of filing of Application :05/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: NOVEL CYCLOALKANE ALDEHYDES METHOD FOR PREPARING SAME AND USE THEREOF IN THE PERFUME INDUSTRY

(51) International :C07C47/225,A61Q13/00,A61K8/33 classification

:France

(31) Priority Document No :1159180

(32) Priority Date :11/10/2011 (33) Name of priority

country

(86) International :PCT/IB2012/055447

Application No :09/10/2012 Filing Date

(87) International Publication: WO 2013/054253 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)V. MANE FILS

Address of Applicant :620 Route de Grasse F 06620 Bar Sur

Loup France

(72)Name of Inventor:

1)MURATORE Agn"s

2)PLESSIS Caroline

3)CHANOT Jean Jacques

# (57) Abstract:

The invention relates to a compound of ganerai formula (I), where: RI, R2 and R3 are each independently a hydro - gen atom or a saturated or unsaturated, straight or branched Cl to C5 alkyl group; m is an integer from 1 to 4; and n is an integer from 2 to 4; characterised in that the cycle is saturated and includes 5 to 8 carbon atoms, in that the total number of carbon and radicals RI, R2 and R3 in the cycle is 7 to 11, and in that it is understood that said compound of formula (I) is not: 6-cycloheptylidene hexanal, 4-(4methylcyclohexylidene)-butanal, 4-(4-tert-butylcyclohexylidene)-butanal, or 4-(3,3,5-trimethylcyclohexylidene)-butanal, as well as to a method for synthesising said compounds and to the uses thereof in the perfume industry.

No. of Pages: 46 No. of Claims: 14

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: INFLATABLE AND ADJUSTABLE GASTRIC BAND FOR TREATING OBESITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:12/10/2012 :WO 2013/053929 :NA :NA :NA	(71)Name of Applicant:  1)MEDICAL INNOVATION DEVELOPPEMENT  Address of Applicant: 5 7 et 9 Chemin du Jubin Btiment E F 69570 Dardilly France (72)Name of Inventor:  1)FRERING Vincent
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an inflatable, adjustable gastric band (1) to be easily positioned around a segment of the digestive tract in order to contract the latter, said band including: a flexible, hollow, rsilient band (2); and a flexible inflation tube (5) connected to the band (2), the tube (5) and the band (2) being provided, in the respective distal end areas (6) and (9) thereof, with complementary closing means [notches (10) and loops (11)] that are capable of mutually engaging so as to lock a ring (12) in a closed position, said ring being formed by bringing the distal end (9) and the proximal end (13p) of the band (2) together into a slipknot, in particular around the segment of the digestive tract to be contracted. Said gastric band (1) is characterized in that the hollow band (2) has, when in the inoperative position and when the tube (5) and the band (2) are not inserted into each other so as to form the ring (12), a preformed curved portion (14) which is extended, by a substantially rectilinear portion (15), from the proximal end area (13) thereof to the free distal end (9) of the band (2), said substantially rectilinear portion (15) being suitable for facilitating the insertion of the proximal end (7P) of the tube (5) through the loop(s) (11) of the band (2), and in that the hollow band (2) has, on the outer wall thereof (18), two loops (11, 112), said loops being arranged on the substantially rectilinear portion (15) of the hollow band (2).

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

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NANOPARTICLES FOR CONTROLLING BLEEDING AND DRUG DELIVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:12/10/2012 :WO 2013/106117 :NA :NA	(71)Name of Applicant:  1)CASE WESTERN RESERVE UNIVERSITY Address of Applicant: Sears Building Sixth Floor 10900 Euclid Avenue Cleveland OH 44106 U.S.A. (72)Name of Inventor: 1)LAVIK Erin 2)SHOFFSTALL Andrew 3)USTIN Jeffrey
Filing Date	:NA	

#### (57) Abstract:

A temperature stable nanoparticle is provided comprising a core a water soluble polymer and a peptide the water soluble polymer attached to the core at a first terminus of the water soluble polymer the peptide attached to a second terminus of the water soluble polymer the peptide comprising an RGD amino acid sequence the water soluble polymer of having sufficient length to allow binding of the peptide to glycoprotein lib/Ilia (GPIIb/Illa). In one aspect the nanoparticle has a melting temperature over 35°C. In various aspects the nanoparticle has a spheroid shape and a diameter of less than 1 micron.

No. of Pages: 50 No. of Claims: 41

(21) Application No.3635/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ANTIMICROBIAL COMPOSITIONS AND METHODS EMPLOYING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li></ul>	:A61K9/70,A61K9/06,A61P17/02 :61/545108 :08/10/2011 :U.S.A. :PCT/US2012/059263 :08/10/2012	(71)Name of Applicant:  1)NEXT SCIENCE LLC  Address of Applicant: 8130 Baymeadows Way West Suite 200  Jacksonville Florida 32256 U.S.A.  (72)Name of Inventor:  1)MYNTTI Matthew F.
Filing Date (87) International Publication No	:WO 2013/052958	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An aqueous composition with a higher-than-neutral pH includes a significant amount of one or more surfactants and large amounts of osmotically active solutes. This composition, as well as an acidic counterpart and solid materials, can be used in a variety of applications such as wound care, oral care, medical equipment reprocessing, healthcare acquired infection and implant treatment.

No. of Pages: 45 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: OPTICAL TROCAR SYSTEM

(51) International :A61B17/34,A61B17/02,A61B17/94 classification

(31) Priority Document No :61/548428 (32) Priority Date :18/10/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/060392

Application No :16/10/2012 Filing Date

(87) International Publication :WO 2013/059175

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(72)Name of Inventor:

1)FISCHVOGT Gregory

Massachusetts 02048 U.S.A.

(71)Name of Applicant:

1)COVIDIEN LP

(21) Application No.3636/DELNP/2014 A

Address of Applicant: 15 Hampshire Street Mansfield

# (57) Abstract:

An optical trocar system that includes an elongated obturator member having a first diameter. The elongated obturator member has a distal region the distal region having a first diameter section having a diameter that is substantially equal to the first diameter of the elongated obturator member. The elongated obturator member has a second diameter section having a diameter that is less than the first diameter. The optical trocar system also includes an optical member attached to the distal region of the elongated obturator member such that the optical member encapsulates the second diameter section of the elongated obturator member and at least a portion of the first diameter section. A longitudinal bore through the elongated tubular obturator member is configured to receive an endoscope.

No. of Pages: 31 No. of Claims: 22

(21) Application No.3560/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: DHA RETENTION DURING CANOLA PROCESSING

(51) International classification :A23D9/02,C11B1/10,C11B3/02 (71)Name of Applicant :

(31) Priority Document No :61/582169 (32) Priority Date :30/12/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/070387

Filing Date :18/12/2012

(87) International Publication No: WO 2013/101559

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DOW AGROSCIENCES LLC

Address of Applicant: 9330 Zionsville Rd. Indianapolis

Indiana 46268 U.S.A. (72)Name of Inventor:

1)WENSING Steven

2)ADU PEASAH Swithin P. 3)WALSH Terence A.

4)PATTERSON Thomas G.

#### (57) Abstract:

This disclosure concerns vegetable oils and products containing the same comprising poly unsaturated fatty acids. In some embodiments this disclosure concerns novel oil processing methods that retain an amount of docosahexaenoic acid (DHA) in a refined bleached and deodorized (RBD) oil produced from a crude oil sample comprising the amount of DHA.

No. of Pages: 55 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :02/05/2014

(21) Application No.3561/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ENHANCED COAL BED METHANE PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:16/11/2012 :WO 2013/095829 :NA	(71)Name of Applicant:  1)EXXONMOBIL UPSTREAM RESEARCH COMPANY Address of Applicant: CORP URC SW359 P.O. Box 2189 Houston TX 77252 2189 U.S.A. (72)Name of Inventor: 1)SITES O. Angus 2)BOHRA Lalit K.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and systems for enhanced recovery of coal bed methane are described. A method includes generating a diluent gas mixture comprising N 2 and CO2 in a semi-closed Brayton cycle power plant, injecting at least a portion of the diluent gas mixture into a coal bed, and recovering a mixed production gas comprising methane from the coal bed.

No. of Pages: 33 No. of Claims: 25

(21) Application No.3562/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD AND SYSTEM FOR CONTROLLING THE ACTUATOR OF A SMALL OPENING AND REGULATED DELIVERY VALVE

(51) International :F02D41/00,F02D41/18,F02D41/14 classification

(31) Priority Document No :1160096

(32) Priority Date :07/11/2011 (33) Name of priority country: France

(86) International Application :PCT/FR2012/052072

No :17/09/2012 Filing Date

(87) International Publication :WO 2013/068661

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant: 1)RENAULT S.A.S.

Address of Applicant: 13 15 quai Le Gallo F 92100 Boulogne

Billancourt France (72)Name of Inventor: 1)PETILLON Yohann

2)LOMBARDIN Jacques Olivier

#### (57) Abstract:

Method and System for controlling the actuator of a small-opening and regulated-delivery valve. System for controlling the actuator of a partial exhaust gas recirculation valve (16) in an internai combustion engine (10) for a motor vehicle equipped with at least one means (12) of measuring the flowrate of air admitted and with at least one circuit (15) for partial exhaust gas recirculation and controlled by a means (17) of controlling the admitted gases which is able to dtermine an admitted-air setpoint value, the control System comprising a means of comparing the flowrate measurement against a flowrate setpoint value (19) able to mit a setpoint value for the position of the actuator which is regulated by an actuator control means (22) capable of preventing damage to the valve, a means (23) of determining a break in rgulation, a means (24) of determining resumed rgulation, which means are connected to a rgulation control means (25) able to stop rgulation and close the valve at a velocity profile that protects the valve from damage when the position of the valve reaches a predefined threshold position indicating that it is near its end stops.

No. of Pages: 18 No. of Claims: 10

(21) Application No.3639/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : LOW RESIDUAL SOLVENT POLYAMIDEIMIDE POWDER FROM SUSPENSION

# POLYMERIZATION

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International Classification No (52) C08G18/10 (51/551353 (25/10/2011 (25/10/2012 (25/1	(71)Name of Applicant: 1)FUJIFILM HUNT CHEMICALS INC. Address of Applicant: 40 Boroline Road Allendale New Jersey 07401 U.S.A. 2 (72)Name of Inventor: 1)SIDENSTICK John 2)MULLINS Kathryn 3)PHILLIPS Mace
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#### (57) Abstract:

Disclosed is a method for generating a fine slurry of polyamideimide resin which can be conveniently isolated and dried. The product is completely free of dialkylamide solvents or other toxic substances.

No. of Pages: 14 No. of Claims: 12

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SELF HEALING COMMUNICATIONS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:18/10/2012 :WO 2013/059495 :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC BUILDINGS LLC Address of Applicant :One High Street North Andover MA 02845 U.S.A. (72)Name of Inventor: 1)BOUHAL Abderrahim 2)KOCH Ricky J.
(61) Patent of Addition to Application		2)ROCH RICKY 5.

#### (57) Abstract:

A self healing communications network including a network bus that connects a plurality of field controllers. Each field controller is configured to operate an element of a system installed in a building or similarly large structure and each is connected to the network bus. An end of line resistor can be automatically enabled in any field controller to designate that field controller as a terminal device on the network bus. In an embodiment a parent controller detects each field controller on the network bus and monitors and controls operation of the plurality of field controllers via commands transmitted over the network bus. The parent controller has first and second receiver/transmitter ports both connected to the network bus. The parent controller is configured to automatically repair a break in the network bus by enabling at least one end of line resistor in one of the plurality of field controllers in order to properly terminate the network.

No. of Pages: 20 No. of Claims: 28

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXHAUST GAS DILUTION DEVICE AND PM MEASUREMENT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:F02B3/00 :2012- 173896 :06/08/2012 :Japan :NA :NA : NA	(71)Name of Applicant:  1)HORIBA, LTD.  Address of Applicant:2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510, JAPAN (72)Name of Inventor:  1)KUMAGAI, TATSUKI
. ,		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is one that, in measurement of exhaust gases respectively discharged from a first engine and a second engine, reduce a PM measurement error caused by sharing a 5 dilution tunnel, and has: a dilution tunnel 2 for diluting exhaust gas from an engine with dilution air; a diesel exhaust gas introduction path 3 that introduces diesel exhaust gas from a diesel engine DE into the dilution tunnel 2; and a gasoline exhaust gas introduction path 4 that introduces diluted gasoline exhaust gas from a gasoline engine GE into the dilution tunnel 2, wherein: the dilution tunnel 2 has a gas mixing part 21 that mixes the diesel exhaust H 10 gas introduced by the diesel exhaust gas introduction path 3 and the dilution air with each other; and the gasoline exhaust gas introduction path 4 introduces the gasoline exhaust gas into an upstream side of the gas mixing part 21 in the dilution tunnel 2.

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR THE COMPENSATION OF NONLINEAR CROSS POLARIZATION AND CROSS PHASE MODULATION IN DUAL POLARIZATION COHERENT CHANNELS

(51) International classification (31) Priority Document No	:H04B10/00,H04L27/00 :13/589,470	(71)Name of Applicant: 1)CIENA CORPORATION
(32) Priority Date	:20/08/2012	Address of Applicant :7035 RIDGE ROAD, HANOVER,
(33) Name of priority country	:U.S.A.	MARLAND 21076, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GRIGORYAN, VLADIMIR S.
(87) International Publication No	: NA	2)FRANKEL, MICHAEL Y.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure provides systems and methods for the compensation of signal distortion in fiber optic communication systems and the like. More specifically, the present disclosure provides an orthogonal polarization detection and broadband pilot (OPDBP) technique for the compensation of nonlinear cross polarization (i.e. nonlinear cross polarization modulation) (XPolM) induced noise and nonlinear cross phase modulation (XPM) induced noise in a high data rate polarization multiplexed (PM) multilevel-quadratxire amplitude modulated (M-QAM) channel due to neighboring channels. This approach allows for the compensation of both XPolM and XPM simultaneously, providing several dBs of optical reach extension. The approach uses a pilot tone based orthogonal polarization detection scheme with broadband (i.e. a few GHz wide) filtering of the pilot tones.

No. of Pages: 30 No. of Claims: 20

(21) Application No.3645/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD FOR CONTROLLING A WIND TURBINE

(51) International classification :F03D7/04,F03D11/00,F03D7/02 (71)Name of Applicant:

(31) Priority Document No :10 2011 085 107.0 (32) Priority Date :24/10/2011

(33) Name of priority country :Germany (86) International Application

:PCT/EP2012/070601 No

:17/10/2012 Filing Date

(87) International Publication No:WO 2013/060613

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)WOBBEN PROPERTIES GMBH

Address of Applicant :Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor: 1)GIERTZ Helge 2)DE BOER Wolfgang

## (57) Abstract:

The invention relates to a method for controlling a wind turbine having the steps of detecting an internal fault signal which is generated in the first wind turbine and which indicates a disruption of the first wind turbine; receiving at least one external fault signal which is generated outside of the first wind turbine and which indicates a disruption of another wind turbine; and evaluating the internal fault signal dependent on the at least one external fault signal.

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

(21) Application No.3646/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43)

(43) Publication Date: 13/02/2015

(54) Title of the invention: RADIO BASE STATION SERVER MOBILE COMMUNICATION SYSTEM AND OPERATION CONTROL METHOD

(51) International :H04W92/20,H04W76/00,H04W84/10 classification

(31) Priority Document No :2011272879

(32) Priority Date :14/12/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/006178

Filing Date :27/09/2012

(87) International Publication No :WO 2013/088616

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date

:NA
:NA
:NA
:NA

(71)Name of Applicant: 1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72)Name of Inventor : 1)SHINDO Masato

# (57) Abstract:

A mobile communication system includes a radio base stations (101, 102) and further includes a determination means for determining, on the basis of attribute information of the radio base stations, whether to establish a logical interface between the radio base stations (101, 102). Since it is arranged that the determination means determines, on the basis of attribute information of the radio base stations, whether to establish a logical interface between the radio base stations, the establishment of unnecessary logical interface (i.e., logical interface for wmch the necessity of maintenance is low) can be suppressed.

No. of Pages: 63 No. of Claims: 10

(21) Application No.3647/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR PREPARING 2,6-DIFLUOROACETOPHENONES

:NA

:NA

:C07C67/343,C07C45/67 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/566861 1)E. I. DU PONT DE NEMOURS AND COMPANY (32) Priority Date :05/12/2011 Address of Applicant :1007 Market Street Wilmington (33) Name of priority country :U.S.A. Delaware 19899 U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2012/065158 Filing Date 1)WAGERLE Ty Russell :15/11/2012 2)DAUB John Powell (87) International Publication No :WO 2013/085686 (61) Patent of Addition to Application :NA Number :NA

(57) Abstract:

Filing Date

Filing Date

Disclosed are methods for preparing compounds of Formula 1 utilizing an intermediate of Formula 4 or an intermediate of Formula 6., Also disclosed are compounds of Formula 4.

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

(62) Divisional to Application Number

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ARRANGEMENT AND METHOD FOR COOLING OF COOLANT IN A COOLING SYSTEM IN A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F01P7/16 :1151273-8 :23/12/2011 :Sweden :PCT/SE2012/051334 :03/12/2012 :WO 2013/095262 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB  Address of Applicant: S 151 87 Sdertlje Sweden (72)Name of Inventor:  1)KARDOS Zoltan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to an arrangement and method for cooling of coolant in a cooling system in a vehicle. The cooling system comprises a first cooling circuit comprising a first coolant pump (11) to circulate coolant through the first cooling circuit a first radiator (13) to cool the coolant and a thermostat (12) which opens to direct coolant to the first radiator (13) when the coolant is above the thermostat s regulating temperature (t2) and a second cooling circuit which comprises a second radiator (20) for cooling of coolant. The cooling system comprises flow means (23 29) adapted to transferring a portion of coolant from the first cooling circuit to the second cooling circuit so that this portion of the coolant is cooled in the second radiator (20) when the coolant in the first cooling circuit is within a temperature range defined by a lowest temperature (t1) at which the coolant initially needs cooling and a highest temperature which is equal to the thermostat s regulating temperature (t2).

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

(21) Application No.3556/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TYRE HAVING A TREAD COMPRISING A FELT

(51) International :B60C11/14,B60C11/16,B60C11/18 classification

(31) Priority Document No :1161753 (32) Priority Date :16/12/2011

(33) Name of priority country: France

(86) International Application :PCT/EP2012/075637

No :14/12/2012 Filing Date

(87) International Publication :WO 2013/087882

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1) COMPAGNIE GENERALE DES ETABLISSEMENTS

MICHELIN

Address of Applicant :12 cours Sablon F 63000 Clermont

Ferrand France

2)MICHELIN RECHERCHE ET TECHNIQUE S.A.

(72)Name of Inventor: 1)ABAD Vincent

2) CUSTODERO Emmanuel

(57) Abstract:

The invention relates to a tyre having a tread comprising a felt characterised in that the fibres of the felt are fibres selected from the group made up of textile fibres mineral fibres and mixtures of same.

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

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PALATABLE PET FOODS AND METHODS FOR IMPROVING THE PALATABILITY OF PET FOODS

(51) International classification	·A23K1/00 A23K1/18	(71)Name of Applicant :
(31) Priority Document No	:61/559272	1)THE IAMS COMPANY
(32) Priority Date	:14/11/2011	Address of Applicant :One Procter & Gamble Plaza Cincinnati
(33) Name of priority country	:U.S.A.	Ohio 45202 U.S.A.
(86) International Application No	:PCT/US2012/064740	(72)Name of Inventor:
Filing Date	:13/11/2012	1)VILLAGRAN Maria Dolores Martinez serna
(87) International Publication No	:WO 2013/074466	2)ALEXANDER Jennifer
(61) Patent of Addition to Application	:NA	3)CILLEY Annmarie
Number	:NA	4)BOEBEL Katherine P.
Filing Date	.11/1	5)HAGERTY Lee Ann
(62) Divisional to Application Number	:NA	6)LEE Kuo Chung Mark
Filing Date	:NA	

#### (57) Abstract:

A food product comprises a plasticizer. The plasticizer may be incorporated (internally) into the food and/or coated (externally) on the food. The food product may further comprise a fat coating. The fat coating may comprise a structurant. A method for softening a food product by adding a plasticizer. A method for making a food appear meaty or lubricious.

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

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NOVEL PURINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF DISEASE

(51) International classification	:C07D473/16,C07D519/00	(71)Name of Applicant:
(31) Priority Document No	:61/552746	1)NOVARTIS AG
(32) Priority Date	:28/10/2011	Address of Applicant :Lichtstrasse 35 CH 4056 Basel
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/IB2012/055929	(72)Name of Inventor:
Filing Date	:26/10/2012	1)BRIARD Emmanuelle
(87) International Publication No	:WO 2013/061305	2)FURET Pascal
(61) Patent of Addition to Application	:NA	3)LERCHNER Andreas
Number	:NA	4)MEIER Peter
Filing Date		5)RADETICH Branko
(62) Divisional to Application Number	r :NA	6)SANDHAM David Andrew
Filing Date	:NA	7)ZHU Yanyi

# (57) Abstract:

The invention relates to PI3K inhibitors of the formula (I) in which all of the variables are as defined in the specification to their preparation to their medical use in particular to their use in the treatment of cancer and neurodegenerative disorders and to medicaments comprising them.

No. of Pages: 73 No. of Claims: 13

(21) Application No.3652/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: N (4 QUINOLINYLMETHYL) SULFONAMIDE DERIVATIVES AND THEIR USE AS **ANTHELMINTICS**

(51) International :C07D215/12,C07D401/12,C07D409/12 classification

(31) Priority Document :61/563926

(32) Priority Date :28/11/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/063802

Application No

:07/11/2012 Filing Date (87) International

:WO 2013/081783 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

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

Address of Applicant :1007 Market Street Wilmington

Delaware 19899 U.S.A. (72)Name of Inventor:

1)LAHM George Philip

2)KAR Moumita

# (57) Abstract:

Disclosed are compounds of Formula 1, N-oxides, and salts thereof, wherein Q, A, R1, R2, R3 and n are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for treating helminth infections comprising administration to an animal a parasiticidally effective amount of a compound or a composition of the invention.

No. of Pages: 95 No. of Claims: 14

(21) Application No.3654/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : DEVICE FOR THE STABILISATION OF DRAIN AND/OR FILL VALVES FOR A FLEXIBLE CONTAINER INTENDED FOR THE TRANSPORTATION OF LIQUIDS OR PULVERULENT MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:B65D77/06,B65D88/16 :01740/11 :28/10/2011 :Switzerland :PCT/IB2012/055783 :21/10/2012 :WO 2013/061230 :NA :NA	(71)Name of Applicant:  1)CODEFINE S.A.  Address of Applicant: Avenue du Lman 21 CH 1005 Lausanne Switzerland (72)Name of Inventor:  1)SCHINASI Piero 2)LEVY Stphane
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The device for the stabilisation of drain and/or fill valves for a flexible container intended for the transportation of liquids or pulvrulent materials is characterised in that it comprises the use of a valve that is not strictly cylindrical, said valve comprising at least one of the folio - wing three members: a lug (2), in a low position, formed by the downward extension of a through valve key (2); a proximal polygonal flange (4); or a partially polygonal protrusion (8). The device is also characterised in that a stabilisation plate (9) includes both a recess (12) which matches and hugs the contour of the above-mentioned selected member and two pads of hook and loop fasteners (17, 18) adhered to the proximal face and intended to engage with pads of hook and loop fasteners (15, 16) which are sewn and/or adhered to the outer surface of the flexible container such as to face the aforementioned first pads. The device thus formed and assembled prevents the valve from rotating on itself when a drain and/or fill pipe is screwed to or unscrewed from the valve.

No. of Pages: 15 No. of Claims: 4

(21) Application No.2552/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MARKETING A LOAN VIA AN AUTOMATED TELLER MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06Q 40/00 :60/976,429 :29/09/2007 :U.S.A. :PCT/US2008/077288 :22/09/2008 : NA :NA :NA	(71)Name of Applicant:  1)BAYNE Anthony Address of Applicant:25315 Andreo Avenue Lomita California 90717 United States of America U.S.A. (72)Name of Inventor: 1)BAYNE Anthony
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#### (57) Abstract:

An automated system and method for marketing a loan to a qualifying customer, when the customer has selected an amount to withdraw from an ATM that would reduce the accounts available cash below a threshold amount.

No. of Pages: 31 No. of Claims: 26

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A ROPE FOR LIFTING AND AN ELEVATOR COMPRISING THE ROPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:12150241.3 :05/01/2012 :EPO :PCT/EP2012/074725 :07/12/2012 :WO 2013/102531 :NA :NA	(71)Name of Applicant:  1)NV BEKAERT SA  Address of Applicant: Bekaertstraat 2 B 8550 Zwevegem Belgium (72)Name of Inventor:  1)DECONINCK Jan 2)ROMMEL Hendrik 3)KLUST Andreas 4)LEFEBVRE Dominique
Filing Date	:NA :NA	
(55) 11	· · · · · · · · · · · · · · · · · · ·	<del>-</del>

#### (57) Abstract:

A rope (210, 310) having a three-layered structure comprising a core layer, an inner layer and an outer layer, the core layer comprising one strand (225, 315), the inner layer comprising multiple strands (220) with an amount n and the outer layer comprising multiple strands (215) with an amount m, wherein n is an uneven number, and m is a number which has no common divisor with n, each strand is formed by multiple twisted metal filaments. By this structure fretting of the strands is reduced and the life time of the rope is improved. Also, the use of the rope in lifting application and an elevator system comprising such a rope are disclosed.

No. of Pages: 14 No. of Claims: 12

(21) Application No.3660/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: PRODUCTION OF 18F LABELLED COMPOUNDS COMPRISING HYDROLYTIC DEPROTECTION STEP AND SOLID PHASE EXTRACTION

(51) International :B01J19/00,C07B59/00,C07C215/50

classification

(31) Priority Document No :1120586.1 (32) Priority Date :30/11/2011

(33) Name of priority :U.K. country

(86) International :PCT/EP2012/073926 Application No

:29/11/2012 Filing Date

(87) International Publication: WO 2013/079578

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)GE HEALTHCARE LIMITED

Address of Applicant : Amersham Place Little Chalfont

Buckinghamshire HP7 9NA U.K.

(72)Name of Inventor:

1)WOUTERS Ludovic

2)LIGNON Steve

## (57) Abstract:

The present invention provides a simplified method for the preparation of F-labelled compounds that is particularly suitable for automation. The method of the invention is specifically applicable where the 1 8F-labelled compound is prepared from a labelling precursor that comprises protecting groups and wherein the synthetic route to the final compound includes removal of these protecting groups by acid or alkaline hydrolysis. Also provided by the present invention is a cassette useful for carrying out the method of the invention in an automated manner.

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

(21) Application No.3661/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: WELDING METHOD FOR OUTER JOINT MEMBER OF CONSTANT VELOCITY UNIVERSAL JOINT AND OUTER JOINT MEMBER

(51) International classification:F16D3/20,B23K15/00,B23K15/04 (71)Name of Applicant:

(31) Priority Document No :2011-244508 (32) Priority Date :08/11/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/077055

:19/10/2012

Filing Date (87) International Publication :WO 2013/069433

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)NTN CORPORATION

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(72)Name of Inventor: 1)TOSAJI Masahiro

2)NAKAGAWA Naoki

(57) Abstract:

Provided is a welding method for an outer joint member (11) of a constant velocity universal joint (10), the welding method including: constructing a cup section (12) having track grooves (30), which engage with torque transmitting elements (19), formed along an inner periphery thereof and a shaft section (13) that is formed on a bottom portion of the cup section (12) by two or more separate members: joining a cup member (12a) forming the cup section (12) and a shaft member (13b) forming the shaft section (13); and melt welding end portions (72, 73, 74, 75) of the cup member (12a) and the shaft member (13b), the cup member (12a) and the shaft member (13b) being brought into abutment against each other at the end portions (72, 73, 74, 75) thereof, the cup member (12a) and the shaft meniber (13b) being shaped so that a sealed hollow cavity portion (47) is formed when the end portions (72, 73, 74, 75) of the cup member (12a) and the shaft member (13b) are brought into abutnlent against each other, the melt welding the end portions (72, 73, 74, 75) being performed in a state in which the sealed hollow cavity portion (47) is under atmospheric pressure or lower.

No. of Pages: 43 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :06/05/2014

(21) Application No.3662/DELNP/2014 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: ROLLED STEEL BAR FOR HOT FORGING

(51) International

:C22C38/00,C22C38/24,C22C38/46

classification

(31) Priority Document No :2011-253412 :21/11/2011

(32) Priority Date (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/078789

Filing Date

:07/11/2012

(87) International Publication: WO 2013/077182

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

> 1)Higashida Masashi 2)MATSUMOTO Hitoshi

3)MATSUI Naoki 4)NEISHI Yutaka

5)MAKINO Taizo

(57) Abstract:

A high- strength untempered hot-forged commonent having a tensile strength of 900 MPa or higher and an endurance ratio in the perpendicular direction of 0.47 or greater can be obtained by using, as a raw material, a rolled steel bar for hot forging comprising 0.27-0.37% of C, 0.30-0.75% of Si, 1.00-1, 45% of Mn, 0.008% or more and less than 0.030% of S, 0.05-0.30% of Cr, 0.005-0.050% of Al, 0.200-0.320% of V, and 0.0080-0.0200% of N, with the remainder comprising F e and impurities, wherein said impurities include P<0.030%, Ti<0.0040%, O<0.0020%, and [ 1.05<C+(1/10)Si+(1/5)Mn+(5/22)Cr+1 .65V-(5/7)S<1 .18]. The rolled steel bar for hot forging as the raw material may contain one or more of Cu, Ni, and M o in place of a portion of said Fe, but in this case, the following condition needs t o b e satisfied: [1.05 < C + (1/10)Si + (1/5)Mn + (5/22)Cr + 1.65V - (5/7)S + (1/5)Cu + (1/5)Ni + (1/4)Mo < 1.18].

No. of Pages: 29 No. of Claims: 2

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND DEVICE FOR VISUALLY SCARING ANIMAL SPECIES IN PARTICULAR BIRD SPECIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01M29/06 :1160545 :18/11/2011 :France :PCT/FR2012/052654	(71)Name of Applicant:  1)AIRBUS OPERATIONS (SAS) Address of Applicant: 316 route de Bayonne F 31060 Toulouse France 2)UNIVERSITE RENNES 1 3)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (72)Name of Inventor: 1)PAPIN Nathalie 2)HAUSBERGER Martine 3)HENRY Laurence 4)RICHARD Jean Pierre 5)DE MARGERIE Emmanuel
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# (57) Abstract:

Method and device for visually scaring animal species in particular bird species. -The device for scaring comprises means for generating at least one visual signal (S2) comprising at least one image (12A, 12B) varying in size over time which simulates approach via an increase in the size of the image (12A, 12B).

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

(21) Application No.3586/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND DEVICE FOR SCARING BIRDS ACOUSTICALLY IN PARTICULAR FOR AN AIRCRAFT

:A01M29/16,G10K15/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)AIRBUS OPERATIONS (SAS) :1160546 (32) Priority Date :18/11/2011 Address of Applicant :316 route de Bayonne F 31060 (33) Name of priority country Toulouse France :France (86) International Application No :PCT/FR2012/052635 2)UNIVERSITE RENNES 1 Filing Date :15/11/2012 3)CENTRE NATIONAL DE LA RECHERCHE (87) International Publication No :WO 2013/072632 **SCIENTIFIQUE** (61) Patent of Addition to Application (72)Name of Inventor: :NA Number 1)PAPIN Nathalie :NA Filing Date 2)SEBE Frdric (62) Divisional to Application Number :NA 3)AUBIN Thierry Filing Date :NA

# (57) Abstract:

The device (1) comprises means (3) for emitting an acoustic sequence comprising the repetition of a combination of at least three categories of different synthetic signals, comprising alert noises from birds of prey, interspecies distress signals, and flight signals from various species.

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

(21) Application No.3666/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: POLYMER PROTEIN MICROPARTICLES

(51) International :A61K9/50,A61K38/17,A61K39/00

classification (31) Priority Document No :61/561525

(32) Priority Date :18/11/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/065735

:18/11/2012

Filing Date

(87) International Publication :WO 2013/075068

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(57) Abstract:

(71)Name of Applicant:

1) REGENERON PHARMACEUTICALS INC.

Address of Applicant: 777 Old Saw Mill River Road

Tarrytown New York 10591 U.S.A.

(72)Name of Inventor: 1)CHEN Hunter 2)WALSH Scott

Microparticles containing a core of therapeutic protein and a cortex of a biocompatible and biodegradable polymer and methods of making and using the microparticles are provided. The extended release of a therapeutic protein from the microparticles in a physiological solution is demonstrated over an extended period of time.

No. of Pages: 37 No. of Claims: 50

(21) Application No.3667/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MODULATING CERTAIN TYROSINE KINASES

(62) Divisional to Application Number :NA Filing Date :NA	. ,	:13/11/2012 :WO 2013/074518 :NA :NA	(71)Name of Applicant: 1)TESARO INC. Address of Applicant:1000 Winter Street Suite 3300 Waltham MA 02451 U.S.A. (72)Name of Inventor: 1)WILCOXEN Keith M.
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#### (57) Abstract:

The present invention provides therapeutic and diagnostic modalities relevant to treating disorders associated with tyrosine kinase activity.

No. of Pages: 124 No. of Claims: 29

(21) Application No.3668/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : IN VITRO METHODOLOGY FOR PREDICTING IN VIVO ABSORPTION TIME OF BIOABSORBABLE POLYMERIC IMPLANTS AND DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:20/11/2012 :WO 2013/081912	(71)Name of Applicant:  1)ETHICON INC.  Address of Applicant: U.S. Route 22 Somerville New Jersey 08876 U.S.A.  (72)Name of Inventor:  1)JAMIOLKOWSKI Dennis D.  2)FITZ Benjamin D.  3)YANG Dachuan
` ' 1 3 3	·PCT/US2012/066045	
. ,		
(87) International Publication No	:WO 2013/081912	2)FITZ Benjamin D.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)YANG Dachuan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A novel in vitro methodology for predicting the in vivo behavior such as absorption time or mechanical strength retention of biodegradable polymeric implants and medical devices. The present invention provides a novel in vitro methodology hydrolysis profiling for studying the degradation of absorbable polymers. Accuracy and reproducibility have been established for selected test conditions. Data from this in vitro method are correlated to in vivo absorption data allowing for the prediction of accurate in vivo behaviors such as absorption times.

No. of Pages: 55 No. of Claims: 40

(21) Application No.3669/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MEDICAL IMPLANT INSTRUMENT HEAD AND ASSEMBLY

(51) International alegaistics	. A C1E2/4C A C1E2/24	(71)Nome of Applicant
(51) International classification	:A61F2/46,A61F2/34	(71)Name of Applicant:
(31) Priority Document No	:1120194.4	1)DEPUY (IRELAND)
(32) Priority Date	:23/11/2011	Address of Applicant :Loughbeg Ringaskiddy County Cork
(33) Name of priority country	:U.K.	Ireland
(86) International Application No	:PCT/GB2012/052882	(72)Name of Inventor:
Filing Date	:21/11/2012	1)TAYLOR Andrew
(87) International Publication No	:WO 2013/076484	2)BIRD Timothy
(61) Patent of Addition to Application	:NA	3)HUNT Toby
Number	.INA	
	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An assembly of a cup prosthesis (10) and instrument head is described. A cup prosthesis has a circumference and a central axis which defines axial and radial directions. An attachment member (8) is applied around the circumference of the cup. The attachment member comprises: a circumferential band (46); and at least two tabs (50) extending in an axial direction from the circumferential band and having a circumferential region of weakness (60). A surgical instrument head is attached to the attachment member and engaged with the cup prosthesis and has a radial retaining element (38) which engages an outer radial face of the at least two tabs.

No. of Pages: 54 No. of Claims: 33

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SURGICAL INSTRUMENT HEAD AND ASSEMBLY INCLUDING TAB SEPARATION MEMBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F2/46,A61F2/34 :1120199.3 :23/11/2011 :U.K. :PCT/GB2012/052881 :21/11/2012 :WO 2013/076483 :NA :NA :NA	(71)Name of Applicant: 1)DEPUY (IRELAND) Address of Applicant: Loughbeg Ringaskiddy County Cork Ireland (72)Name of Inventor: 1)TAYLOR Andrew 2)BIRD Timothy 3)HUNT Toby
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#### (57) Abstract:

A surgical instrument head for use with a cup prosthesis (10) is described. The cup prosthesis has an attachment member (8) applied around the circumference of the cup. The surgical instrument head is configured to engage the cup prosthesis and attach to the attachment member. The surgical instrument head includes a tab separation member (6) rotatable about a central axis of the instrument head relative to the instrument head and having a formation for engaging a rotation instrument (310). The tab separation member defines at least one radial cam surface (40) for engaging at least part of the attachment member in use. An assembly of the surgical instrument head and cup prosthesis and a tool (300) for operating the assembly are also described.

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

(21) Application No.3637/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014

(43) Publication Date: 13/02/2015

### (54) Title of the invention: COATING SLIPS BASED ON PARTIALLY SOLUBLE DEXTRINS OF HIGH MOLECULAR WEIGHT

(51) International :D21H17/28,D21H19/54,C08B31/00 classification

:11 60560 (31) Priority Document No (32) Priority Date :18/11/2011

(33) Name of priority :France country

(86) International :PCT/FR2012/052651 Application No

:16/11/2012 Filing Date

(87) International Publication: WO 2013/072639

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)ROOUETTE FRERES

Address of Applicant: 1 rue de la Haute Loge F 62136

Lestrem France

(72)Name of Inventor: 1)MESNAGER Julien 2)WIATZ Vincent 3)DAUCHY Patrick

4)ONIC Ludivine

(57) Abstract:

The subject matter of the invention is a coating slip comprising water, at least one pigment and at least one modified starch, exhibiting: · a weight-average molecular weight ranging from 250 000 to 2 000 000 Da; · a solubility, measured according to a test A, ranging from 50 to 85%. The invention also relates to a process for the prparation of said slip, and also to a process for coating paper using this slip.

No. of Pages: 41 No. of Claims: 18

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MAGNETIC DAMPING FOR SPECIMEN TRANSPORT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:07/11/2012 :WO 2013/070748 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)BECKMAN COULTER INC.</li> <li>Address of Applicant: 250 S. Kraemer Boulevard Brea</li> <li>California 92821 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)JOHNS Charles W.</li> <li>2)RIZZOTTE Samuel H.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A specimen transport system with magnetic damping and method for transporting specimens with magnetic damping are disclosed. A conveyance device transports sample carriers configured to carry specimen containers. One or more of the sample carriers include magnets. The system may also include a diverting arm having a magnet. When a first sample carrier is transported toward a second sample carrier a first sample carrier magnet coupled to the first sample carrier repels a second sample carrier magnet of the diverting arm repels a sample carrier magnet of the sample carrier.

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

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HIGH VISCOSITY SILICONE GEL ADHESIVE COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> </ul>	:C09J183/06 :61/546346 :12/10/2011 :U.S.A. :PCT/US2012/059996 :12/10/2012 :WO 2013/056077	(71)Name of Applicant: 1)DOW CORNING CORPORATION Address of Applicant: 2200 West Salzburg Road Midland MI 48686 0994 U.S.A. 2)DOW CORNING TAIWAN INC. (72)Name of Inventor: 1)GIBAS Roger A.
• •		1 '
	:WO 2013/0560//	,
(61) Patent of Addition to Application	:NA	2)LIU Yihan
Number	:NA	3)PAN Do lung
Filing Date	.NA	4)RASTELLO Jeffrey T.
(62) Divisional to Application Number	:NA	5)WEBER Christine A.
Filing Date	:NA	

#### (57) Abstract:

Provided in various embodiments are high viscosity shear thinning silicone compositions that can be pattern coated directly onto a substrate. The silicone compositions may be prepared by mixing at least one organopolysiloxane at least one SiH containing organopolysiloxane at least one emulsifying agent a hydrosilyation catalyst and water. The silicone compositions may be applied on a substrate for use in medical devices or wound dressings.

No. of Pages: 22 No. of Claims: 17

(21) Application No.3674/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SLIDE RING SEAL ARRANGEMENT WITH TESLA PUMP

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:F04D5/00,F04D29/58,F16J15/34 :10 2011 118 294.6 :10/11/2011 :Germany :PCT/EP2012/004207 :08/10/2012 :WO 2013/068066 :NA :NA	(71)Name of Applicant:  1)EAGLEBURGMANN GERMANY GMBH & CO. KG Address of Applicant: "ussere Sauerlacher Strasse 6 10 82515 Wolfratshausen Germany (72)Name of Inventor: 1)LEDIG Stefan 2)BOEHM Thomas 3)KOLLINGER Rudolf
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# (57) Abstract:

The invention relates to a slide ring seal arrangement comprising at least one slide ring seal (2) with a rotating slide ring (21) and with a static slide ring (22) wherein the rotating slide ring (21) and the static slide ring (22) define between them a sealing gap (23) and to a Tesla pump (6) which rotates together with the rotating slide ring (21).

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

(21) Application No.3675/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: ULTRASONIC FLOW METER

(51) International classification	:G01F1/66	(71)Name of Applicant:
(31) Priority Document No	:11184989.9	1)MIITORS APS
(32) Priority Date	:13/10/2011	Address of Applicant :Vitus Bering Innovation Park Chr M
(33) Name of priority country	:EPO	~stergaardsvej 4 DK 8700 Horsens Denmark
(86) International Application No	:PCT/DK2012/050333	(72)Name of Inventor:
Filing Date	:07/09/2012	1)DRACHMANN Jens
(87) International Publication No	:WO 2013/053360	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for estimating and correcting or at least reducing phase errors in received ultrasonic signals in an ultrasonic flow meter is disclosed said method comprising the steps of: measuring one or more signals in the ultrasonic flow meter which one or more signals depend on characteristics of one or more ultrasonic transducers in the ultrasonic flow meter using the one or more measured signals for calculating an estimated phase error value and using the estimated phase error value for correcting transmission times measured by the ultrasonic flow meter.

No. of Pages: 85 No. of Claims: 14

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: METHOD OF COMPENSATING FREQUENCY DRIFT IN AN INTERFEROMETER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01J3/45 :NA :NA :NA :PCT/EP2011/068117 :17/10/2011 :WO 2013/056726 :NA :NA	(71)Name of Applicant:  1)FOSS ANALYTICAL A/S  Address of Applicant:Foss All 1 DK 3400 Hiller,d Denmark (72)Name of Inventor:  1)JUHL Henrik Vilstrup
Filing Date	:NA	

#### (57) Abstract:

A method of compensating for frequency drift of a reference energy source in an FT interferometer based spectrometer instrument having an arithmetic unit into which has been obtained data representing a reference interferogram (40) collected in response to a trigger signal having been generated in dependence on the emission frequency of the reference energy source and data representing a target interferogram (42) recorded by the FT interferometer in response to a trigger signal also having been generated in dependence on the emission frequency of the reference energy source in the same manner. The method further comprises the comparing in the arithmetic unit the data representing the reference interferogram (40) and the data representing the target interferogram (42) to determining a phase shift (d) between the interferograms in a window W in at least one region (36) away from center burst (44) and generating in the arithmetic unit a mathematical transform dependent on the determined shift or shifts (d) to be subsequently applied to control the operation of the spectrometer instrument in order to generate data representing a frequency stabilized interferogram of an unknown sample recorded by the FT interferometer.

No. of Pages: 18 No. of Claims: 6

(21) Application No.3589/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: DEVICE FOR FEEDING TAPE AND DEVICE FOR SEWING ON TAPE

(51) International classification :B65H20/02,B26D5/20,B65H35/00

(31) Priority Document No :2011-220067 (32) Priority Date :04/10/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/075716

Filing Date :03/10/2012

(87) International Publication :WO 2013/051629

No (61) Patent of Addition to N

Application Number Filing Date :NA

(62) Divisional to Application
Number :NA
:NA

Filing Date (57) Abstract :

(71)Name of Applicant:
1)JUKI CORPORATION

Address of Applicant :11 1 Tsurumaki 2 chome Tama shi

Tokyo 2068551 Japan (72)Name of Inventor: 1)SAKAI Katsuaki 2)KATOU Shigeki

A device for feeding tape comprising: one motor (M1); two rollers (381, 382) arranged having a space therebetween in the feeding direction for a tape (T) and which press on the tape (T) and feed the tape (T); a holder (383) that rotatably holds each rotating axis of the two rollers (381, 382); a power transmission mechanism (39) that transmits rotational power from the drive shaft of the one motor (M1) to the two rotating axes on the opposite side of the holder (383) to the two rollers (381, 382); and a roller switching mechanism

(330) that causes the holder (383) to shake using between the two rollers (381, 382) as a fulcrum and which selectively causes only one of the two rollers (381, 382) to press on the tape (T).

No. of Pages: 90 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :06/05/2014

(21) Application No.3680/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : BAMBAM: PARALLEL COMPARATIVE ANALYSIS OF HIGH THROUGHPUT SEQUENCING DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:G06F19/10,G06F19/28 :13/373550 :18/11/2011 :U.S.A. :PCT/US2011/001996 :20/12/2011 :WO 2013/074058 :NA	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  Address of Applicant: Uc Office Of The President 1111 Franklin St. 5th Floor Oakland CA 9607 U.S.A. (72)Name of Inventor:  1)SANBORN John Zachary 2)HAUSSLER David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A differential sequence object is constructed on the basis of alignment of sub strings via incremental synchronization of sequence strings using known positions of the sub strings relative to a reference genome sequence. An output file is then generated that comprises only relevant changes with respect to the reference genome.

No. of Pages: 61 No. of Claims: 51

(21) Application No.3681/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : MICROMECHANICAL STRUCTURE HAVING A DEFORMABLE MEMBRANE AND A PROTECTION AGAINST STRONG DEFORMATIONS

(51) Intermedianal alegaification	·C011 0/00 C011 10/06	(71)Nome of Amplicant.
(51) International classification	:G01L9/00,G01L19/06	(71)Name of Applicant:
(31) Priority Document No	:1159726	1)AUXITROL S.A.
(32) Priority Date	:26/10/2011	Address of Applicant :5 alle Charles Path F 18000 Bourges
(33) Name of priority country	:France	France
(86) International Application No	:PCT/EP2012/071000	(72)Name of Inventor:
Filing Date	:24/10/2012	1)BRIDA Sebastiano
(87) International Publication No	:WO 2013/060697	
(61) Patent of Addition to Application	:NA	
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a micromechanical structure for measuring or detecting a mechanical quantity or a dynamic quantity, including a deformable membrane (20) and a supporting substrate (10), the membrane (20) including a first portion (20a) and a second portion (20b) surrounded by the first portion (20a), the second portion (20b) having a thickness that is less than the thickness of the first portion (20a), the membrane (20) being suspended above the supporting substrate (10) and thus defining a free space (30), said micromechanical structure comprising in addition a lower abutment (21) for limiting the dformations of the mem brane (20), said lower abutment (21) being arranged above the supporting substrate (10) and extending into the free space (30) from said supporting substrate (10) toward the membrane (20), characterized in that the lower abutment (21) comprises islets (101-108) that extend into the free space (30) toward the membrane (20) from a fit surface of the lower abutment (21), the islets (101-108) forming a relief structure in such a manner that, in the case of contact between the islets (101-108) and the fine portion (20b) of the membrane (20), the contact surface between the islets (101-108) and the fine portion (20b) of the membrane (20).

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

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MULTI STAGE TIMING AND FREQUENCY SYNCHRONIZATION

(51) International classification	:H04W56/00,H04L27/26	(71)Name of Applicant:
(31) Priority Document No	:61/558696	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:11/11/2011	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IB2012/056199	1)GUEY Jiann Ching
Filing Date	:06/11/2012	2)KOORAPATY Havish
(87) International Publication No	:WO 2013/068928	3)CHENG Jung Fu
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

According to exemplary embodiments of the invention, timing and frequency offset estimation Is divided into two or more stages, in each stage, a different subset of the available reference symbols is selected to perform timing synchronization, frequency synchronization, or joint timing and frequency synchronization. In each non-final stage, a respective set of the reference symbols is used to perform timing synchronization or frequency synchronization in order to narrow trie uncertainty window for the timing or frequency offset, and thus reduce the search space for the final stage, in the final stage, a different set of reference symbols may be used to perform joint timing and frequency synchronization over the reduced search space.

No. of Pages: 26 No. of Claims: 18

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FEMORAL NECK FRACTURE IMPLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:A61B17/17 :61/561439 :18/11/2011 :U.S.A. :PCT/CN2012/001563 :19/11/2012 :WO 2013/071701 :NA :NA	(71)Name of Applicant: 1)SYNTHES GMBH Address of Applicant: Eimattstrasse 3 CH 4436 Oberdorf Switzerland (72)Name of Inventor: 1)OSWALD Martin 2)OVERES, Tom 3)MUELLER, David
` '		3)MUELLER, David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A device for implanting a bone fixation system comprises an insertion instrument extending from a proximal end to a distal end the distal end having an engagement portion for removably engaging a proximal end of a bone plate the insertion instrument having an elongated channel extending therethrough to permit insertion of a first protection sleeve therethrough wherein a longitudinal axis of the elongated channel is coaxial with a longitudinal axis of a first opening extending through the bone plate and a first protection sleeve insertable into the elongated channel and guiding insertion of an anti-rotation screw therethrough and through the bone plate a longitudinal axis of the first protection sleeve being angled with respect to the longitudinal axis of the elongated channel.

No. of Pages: 67 No. of Claims: 17

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: CUTTING TOOL WITH REPLACEABLE BLADE EDGE

(51) International classification: B23C5/20,B23B27/00,B23B27/14 (71) Name of Applicant:

(31) Priority Document No :2011-223446 (32) Priority Date :07/10/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/075998

No Filing Date

:05/10/2012

(87) International Publication

:WO 2013/051703

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)TUNGALOY CORPORATION

Address of Applicant: 11 1 Yoshima Kogyodanchi Iwaki shi

Fukushima 9701144 Japan (72)Name of Inventor:

1)SAJI Rvuichi

2)BHAGATH Kedar Suresh

Provided is a cutting tool with a replaceable blade edge having a configuration whereby the rotational moment acting on a cutting insert that is clamped to the insert attachment surface of a body can be supported in a stable manner. This cutting tool has: cutting inserts (10); a body (20) equipped with insert attachment parts (21) to which the cutting inserts (10) are mounted in a removable manner; and receiving mechanisms that receive the rotational moment acting on the respective cutting inserts (10) so as to cause the cutting inserts (10) mounted on the insert attachment parts (21) to rotate on a base surface (21A). The receiving mechanisms include first engaging parts (14) which are formed on the lower face of the cutting inserts (10) and second engaging parts (25) which are formed on the base surface (21A) of the insert attachment parts (21). The second engaging parts (25) are formed so as to receive the rotational moment by engaging a specific portion (15) of the surfaces demarcating the first engaging parts (14).

No. of Pages: 37 No. of Claims: 11

(21) Application No.3689/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ANTIBODY MOLECULES HAVING SPECIFICITY FOR HUMAN OX40

(51) International classification :C07K16/28,C07K16/44,C07K16/46

(31) Priority Document No :61/558545 (32) Priority Date :11/11/2011 (33) Name of priority country:U.S.A.

(86) International Application No :PCT/EP2012/072325

Filing Date
(87) International Publication: WO 2013/068563

No .WO 20

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant: 1)UCB PHARMA S.A.

Address of Applicant :60 Alle de la Recherche B 1070

Brussels Belgium (72)Name of Inventor:

1)ADAMS Ralph 2)BHATTA Pallavi

3)HEYWOOD Sam Phillip 4)HUMPHREYS David Paul

# (57) Abstract:

The invention relates to antibody molecules having specificity for antigenic determinants of human OX40 therapeutic uses of the antibody molecules and methods for producing said antibody molecules.

No. of Pages: 76 No. of Claims: 20

:NA

:NA

(21) Application No.3690/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TRI HETEROCYCLIC DERIVATIVES PREPARATION PROCESS AND USES THEREOF

(51) International (71)Name of Applicant: :C07D513/14,A61K31/429,A61P35/00 classification 1)SHANGHAI DE NOVO PHARMATECH CO LTD. (31) Priority Document No :201110430906.3 Address of Applicant :Room 1309 781 Cailun Road (32) Priority Date :20/12/2011 Zhangjiang Hi Tech Park Pudong New Area District Shanghai (33) Name of priority 201203 China :China (72)Name of Inventor: country (86) International 1)GAO Daxin :PCT/CN2012/086492 Application No 2)YANG Heping :13/12/2012 Filing Date 3)YU Yajun (87) International :WO 2013/091502 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

# (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The present invention relates to a tri-heterocyclic derivatives, preparation process and uses thereof, specifically relates to a tri-heterocyclic derivatives of the formula (I) or a pharmaceutically acceptable salt thereof, preparation process, and fur ther relates to a pharmaceutically acceptable composition comprising compounds of formula (I), or a pharmaceutically acceptable salt thereof, and their pharmaceutical use as inhibitors of kinase.

No. of Pages: 63 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STABILIZATION OF X RAY DIAGNOSTIC COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K49/04 :20111762 :21/12/2011 :Norway :PCT/EP2012/076261 :20/12/2012 :WO 2013/092783 :NA :NA :NA	(71)Name of Applicant:  1)GE HEALTHCARE AS  Address of Applicant: P.O. Box 4220 Nydalen Nycoveien 1 2 N 0401 Oslo Norway (72)Name of Inventor:  1)GL~GRD Christian 2)THANING Mikkel 3)CERVENKA Jan
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(21) Application No.3691/DELNP/2014 A

#### (57) Abstract:

The invention relates to a composition comprising a non-ionic X-ray contrast agent in a pharmaceutically acceptable carrier, and particularly to a supersaturated X-ray composition comprising X-ray contrast agents with a high dissolution temperature in water. Particularly, the invention provides such composition which is stable, and wherein crystallisation during storage is avoided. In a preferred aspect the X-ray contrast agent is Ioforminol and the composition includes a nucleation-and growth inhibitor. The in vention further relates to a process for the preparation of such stable diagnostic X-ray composition.

No. of Pages: 18 No. of Claims: 14

(43) Publication Date: 13/02/2015

(19) INDIA (22) Date of filing of Application :06/05/2014

# (54) Title of the invention: SKIN LIGHTENING FORMULATIONS

(51) International classification :A61K8/81,A61Q19/02,A61K8/86 (71)Name of Applicant:

(31) Priority Document No :61/580430 (32) Priority Date :27/12/2011 :U.S.A.

(33) Name of priority country

(86) International Application :PCT/US2012/070447 :19/12/2012

Filing Date (87) International Publication :WO 2013/101570

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) ROHM AND HAAS COMPANY

(21) Application No.3655/DELNP/2014 A

Address of Applicant :100 Independence Mall West

Philadelphia PA 19106 U.S.A.

(72)Name of Inventor:

1)SCHWARTZ Curtis

2)SHAH Nilesh

3)TYSAK Theodore

# (57) Abstract:

A skin care formulation which provides a skin lightening effect virtually immediately upon topical application to the skin and which includes a combination of one or more poly(ethylene) oxides and an acrylic emulsion polymer film former comprising emulsion polymers derived from one or more ethylenically unsaturated monomers.

No. of Pages: 21 No. of Claims: 5

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

### (54) Title of the invention: LUMINESCENT BORATES MATERIALS AND ARTICLES INCORPORATING SUCH BORATES AND METHODS AND APPARATUS FOR THEIR PRODUCTION AND USE IN ARTICLE AUTHENTICATION

:C09K11/63,C09K11/78 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/560106 :15/11/2011 (32) Priority Date (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/064912 Filing Date :14/11/2012 (87) International Publication No :WO 2013/074558

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962

2245 U.S.A.

(72)Name of Inventor:

1)KANE James

2)RAPOPORT William Ross

3)LAU Carsten

#### (57) Abstract:

Embodiments include luminescent materials and associated production methods. The material includes a crystal borate having a first substitutable element neodymium substituted for the first substitutable element at a first substitution percentage of at least about 20 percent and ytterbium substituted for the first substitutable element at a second substitution percentage. The material also may include chromium substituted for a second substitutable element. The material also may include a medium within which particles of the borate are incorporated. The medium with the luminescent material particles may form a security feature of an article. Embodiments of methods for identifying whether such a luminescent material is incorporated with an article include exposing a portion of the article to excitation in a chromium absorption band and determining whether a detected emission produced by the article as a result of the excitation indicates an ytterbium emission after termination of the exposing step.

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

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

### (54) Title of the invention: LUMINESCENT BORATES MATERIALS AND ARTICLES INCORPORATING SUCH BORATES AND METHODS AND APPARATUS FOR THEIR PRODUCTION AND USE IN ARTICLE AUTHENTICATION

:C09K11/63,C09K11/78 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/560102 :15/11/2011 (32) Priority Date (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/064927 Filing Date :14/11/2012 (87) International Publication No :WO 2013/074566

(61) Patent of Addition to Application :NA

Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962

2245 U.S.A.

(72)Name of Inventor:

1)KANE James

2)RAPOPORT William Ross

3)LAU Carsten

#### (57) Abstract:

Embodiments include luminescent materials and associated production methods. The material includes a crystal borate having a first substitutable element and a second substitutable element one or more rare earth ions substituted for the first substitutable element and chromium substituted for the second substitutable element. The one or more rare earth ions are selected from a group consisting of neodymium and ytterbium. The material also may include a medium within which particles of the borate are incorporated. The medium with the luminescent material particles may form a security feature of an article. Embodiments of methods for identifying whether such a luminescent material is incorporated with an article include exposing a portion of the article to excitation in a chromium absorption band and determining whether a detected emission produced by the article as a result of the excitation indicates an ytterbium emission after termination of the exposing step.

No. of Pages: 41 No. of Claims: 10

(21) Application No.3658/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

### (54) Title of the invention: METHOD FOR MAKING A TWO COMPONENT BEVERAGE AND ASSOCIATED TWO COMPARTMENT CONTAINER

(51) International

:A47J31/00,A47J31/40,B65D85/804 classification

(31) Priority Document No :61/551878 (32) Priority Date :26/10/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/061854

No :25/10/2012 Filing Date

(87) International Publication :WO 2013/063226

(61) Patent of Addition to **Application Number** Filing Date

(62) Divisional to **Application Number** Filing Date

:NA :NA

:NA :NA (71)Name of Applicant:

1)KRAFT FOODS GROUP BRANDS LLC

Address of Applicant: Three Lakes Drive Northfield IL 60093

U.S.A.

(72)Name of Inventor:

1)MARKOULIS Shellev 2)DECLEIR Piaras Valdis 3)DOLL Paul Edward

4)MOHLER Niketa 5)STUART Leslie

6)SEN Diya 7)BILLIG Jason

#### (57) Abstract:

A method is provided for forming a two component beverage using a container having two compartments an upper compartment and a lower compartment each containing a beverage ingredient. The upper compartment contains a first beverage ingredient such as powdered milk and the lower compartment 8 contains a second beverage ingredient such as instant coffee. The upper compartment can be stacked above the lower compartment such that access to the lower compartment is through the upper compartment.

No. of Pages: 41 No. of Claims: 20

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR HYDRATE BASED DESALINATION

(51) International classification :C02F1/22,C02F103/08 (71)Name of Applicant : (31) Priority Document No :3385/DEL/2011 1)KATYAL Amit (32) Priority Date Address of Applicant :D 1/65 Janakpuri New Dehli 110058 :25/11/2011 (33) Name of priority country :India Delhi India (86) International Application No :PCT/IN2012/000705 (72)Name of Inventor: Filing Date :25/10/2012 1)KATYAL Amit (87) International Publication No :WO 2013/076737 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to systems and methods for desalinating and/or treating polluted water. More particularly the present invention relates to systems and methods for desalinating and/or treating polluted water using gas hydrates. In particular the system comprises a desalination tank configured to form gas hydrates using a suitable hydrate former taken from a storage tank that is operatively connected to the desalination tank. With all operations including formation of gas hydrates discharging of highly saline water washing the gas hydrates and dissociation of gas hydrates being conducted in a single pressurized tank such as the desalination tank the present apparatus provides a simple and efficient solution at a low manufacturing and operating cost.

No. of Pages: 53 No. of Claims: 25

(21) Application No.3679/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRONIC HEALTH RECORD SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F19/00 :61/552996 :28/10/2011 :U.S.A. :PCT/IB2012/055473 :10/10/2012 :WO 2013/061192 :NA :NA :NA	(71)Name of Applicant:  1)MOHAN Kutty Address of Applicant: Venkiteswara Bhavan Ambalathinkara Kazhakurtorn Trivandrum 695581 Kerala India (72)Name of Inventor: 1)MOHAN Kutty
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#### (57) Abstract:

Provided are a system and method for efficiently creating patient health records with help of expert clinical decision support. The system and method also ensures the doctor s documentation and diagnosis comply with the government healthcare quality measures.

No. of Pages: 50 No. of Claims: 26

(19) INDIA

(22) Date of filing of Application :07/05/2014

(21) Application No.3698/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ROBOTIC ARM

(51) International classification	:G01N35/00,B04B9/14	(71)Name of Applicant:
(31) Priority Document No	:61/556667	1)BECKMAN COULTER INC.
(32) Priority Date	:07/11/2011	Address of Applicant :250 S. Kraemer Boulevard Brea
(33) Name of priority country	:U.S.A.	California 92821 U.S.A.
(86) International Application No	:PCT/US2012/063929	(72)Name of Inventor:
Filing Date	:07/11/2012	1)JOHNS Charles W.
(87) International Publication No	:WO 2013/070754	2)QUINT Joseph F.
(61) Patent of Addition to Application	:NA	3)CHEN Chi S.
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An analytical laboratory system and method for processing samples is disclosed. A sample container is transported from an input area to a distribution area by a gripper comprising a means for inspecting a tube. An image is captured of the sample container. The image is analyzed to determine a sample container identification. A liquid level of the sample in the sample container is determined. A scheduling system determines a priority for processing the sample container based on the sample container identification. The sample container is transported from the distribution area to a subsequent processing module by the gripper.

No. of Pages: 76 No. of Claims: 25

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BATTERY GRID WITH VARIED CORROSION RESISTANCE

(71)Name of Applicant: :H01M4/72,H01M4/74 (51) International classification 1)JOHNSON CONTROLS TECHNOLOGY COMPANY (31) Priority Document No :61/555276 Address of Applicant :915 East 32nd Street Holland MI 49423 (32) Priority Date :03/11/2011 (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2012/062698 1)TAYLOR M. Eric Filing Date :31/10/2012 2)HU Jianxun (87) International Publication No :WO 2013/066948 3)ANDERSEN Glenn W. (61) Patent of Addition to Application 4)MATHEWS Joseph F. Number :NA 5)SAUER Bart W. Filing Date 6)SYMANSKI James S. (62) Divisional to Application Number :NA 7)XUE Feng Filing Date :NA 8)ALKHATEEB Mohamadkheir

#### (57) Abstract:

A battery grid is disclosed. The battery grid includes a pattern of grid wires. The pattern includes a grid wire having a first segment with a first corrosion resistance and a second segment with a second corrosion resistance which is less than the first corrosion resistance. The second segment corrodes at a rate which is faster than the corrosion rate of the first segment so as to dynamically release internal stress and control grid growth of the battery grid during its service life. A battery includes said grid and a method of forming said grid are also disclosed.

No. of Pages: 47 No. of Claims: 64

(21) Application No.3701/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: ELASTOMERIC COMPOSITIONS AND THEIR USE IN ARTICLES

(51) International

:C08L23/02,C08L23/22,C08L23/28

classification

(31) Priority Document No :61/577409 :19/12/2011

(32) Priority Date

(33) Name of priority country: U.S.A.

:NA

(86) International Application :PCT/US2012/064645

:12/11/2012

Filing Date (87) International Publication :WO 2013/095807

No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1) EXXONMOBIL CHEMICAL PATENTS INC.

Address of Applicant :5200 Bayway Drive Baytown TX

77520 U.S.A.

(72)Name of Inventor:

1)DE YOUNG Ronald 2)ELLUL Maria D.

3)KUMOR Dennis

(57) Abstract:

A dynamically vulcanized alloy contains at least one isobutylene containing elastomer at least one thermoplastic resin and an anhydride functionalized oligomer grafted to the thermoplastic resin. In the alloy the elastomer is present as a dispersed phase of small vulcanized or partially vulcanized particles in a continuous phase of the thermoplastic resin and the alloy is substantially absent of any sulfonamides.

No. of Pages: 31 No. of Claims: 21

(21) Application No.3702/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: CENTRIFUGE SYSTEM AND WORKFLOW

(51) International

:G01N35/00,G01N35/04,B04B9/14 classification

(31) Priority Document No :61/556667 :07/11/2011 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/063930

:07/11/2012 Filing Date

(87) International Publication :WO 2013/070755

No

(61) Patent of Addition to **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)BECKMAN COULTER INC.

Address of Applicant :250 S. Kraemer Blvd. Brea California

92821 U.S.A.

(72)Name of Inventor: 1) JOHNS Charles W. 2)OTTS Stephen

(57) Abstract:

Systems methods and apparatus are described for a centrifuge module of a laboratory analysis system. Specimen containers may be weighed loaded into a centrifuge adapter and transported to a centrifuge module by an adapter shuttle. A centrifuge adapter gripper may transport the centrifuge adapter into a centrifuge for centrifugation. The centrifuge adapter may be transported by the centrifuge adapter gripper to an adapter shuttle for unloading of the specimen containers which may be performed by a specimen container gripper. A centrifuge drawer that allows a centrifuge to be extended from its installed position is also described. Additional embodiments pertain to a sequence for replacing in a centrifuge a set of centrifuge adapters that have been centrifuged with a set of centrifuge adapters that have not been centrifuged. A sequence for loading specimen containers into centrifuge adapters is also described.

No. of Pages: 68 No. of Claims: 27

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: ELECTRONIC CONTROLLER FOR A CVT RATIO

(51) International :B60W30/188,B60W10/06,B60W10/107 classification

(31) Priority Document :61/547485

(32) Priority Date :14/10/2011 (33) Name of priority :U.S.A.

country

(86) International

Application No

:15/10/2012 Filing Date

(87) International Publication No

(61) Patent of Addition

to Application Number :NA Filing Date (62) Divisional to **Application Number** 

:PCT/US2012/060269

:WO 2013/056237

:NA

:NA :NA (71)Name of Applicant:

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Address of Applicant :2100 Highway 55 Medina MN 55340

(72)Name of Inventor:

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2)GILLINGHAM Brian R.

3)WENGER Urs

4)FREDRICKSON Donovan L.

5)KROSSCHELL Brian D.

6)GRAJKOWSKI Karl

7)MEYER Philipp

8)FROST Donald E.

9)KOHLER Beat

10)ZURBRUEGG Ronald 11)ERASMUS Peter J.

12) PETERMAN Jeffrey Ivan

# (57) Abstract:

Filing Date

A continuously variable transmission (CVT) is provided for use on a recreational or utility vehicle. The CVT is electronically controlled by at least one control unit of the vehicle. The CVT includes a primary pulley (50) having a first sheave (100) and a second sheave (102)moveable relative to the first sheave. An actuator controls movement of the second sheave. The method includes: determining a speed of the engine (452); detecting a throttle demand (458); determining a pulley control variable (K Factor) based on an operator input device (111) the CVT including a first and a second pulley the first pulley (50) being moveable by an actuator (76) to modulate a gear ratio of the CVT; calculating a target engine speed (460) based on the throttle demand and the pulley control variable; and calculating a target position (470) of the first pulley of the CVT based on the calculated target engine speed and the determined speed of the engine.

No. of Pages: 114 No. of Claims: 89

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention : INPUT FEEDER DEVICE FOR AN APPARATUS FOR PROCESSING PAPER DOCUMENTS PARTICULARLY BANK CHEQUES

(51) International classification:B65H9/10(31) Priority Document No:TO2011A000965(32) Priority Date:25/10/2011(33) Name of priority country:Italy

(33) Name of priority country
(86) International Application No
Filing Date
(87) International Publication No

State 1: Italy
PCT/IB2012/055875
25/10/2012
WO 2013/061270

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
:NA
:NA
:NA

(71)Name of Applicant: 1)PANINI S.P.A.

Address of Applicant : Via Po 39 I 10124 Torino Italy

(21) Application No.3633/DELNP/2014 A

(72)Name of Inventor: 1)DE SANTI Ivano 2)PANINI Ugo

#### (57) Abstract:

The feeder device comprises a support structure (2) wherein, between a feeder plate (3) and an opposite surface (4), there is defined an input receptacle (5) for the introduction of one or more documents (BC) to be processed, and a motorized align ing and conveying device (6), adapted to engage and urge a document (BC) introduced into the input receptacle (5) towards a lateral stationary aligning surface (50). The feeder device is characterized in that the aligning and conveying device comprises an assembly (10) which is rotatable about a first axis (A) and which includes a pick-up member (24) rotatable in the assembly (10) about a second axis (B) spaced apart from the first axis (A), between a first, resting angular position and a second, working angular position, in the first of which positions the pick-up member (24) is retracted, while in the second it protrudes into the assembly (10) in the input receptacle (5) to engage a document (BC) introduced thereinto; and an electric control motor (18), coupled to the assembly (10) and to the pick-up member (24) through transmission means (12-22, 30-33).

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PROCESSES AND SYSTEMS FOR SEPARATE PARALLEL METHANE AND HIGHER ALKANES BROMINATION

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International Classification Substituting Classification (15) 10/2011 (15) 10/2012 (15) 10/2012 (15) 10/2012 (16) 20/2012 (17) 20/2012 (18) 20/2012 (18) 20/2012 (18) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (19) 20/2012 (10)	(71)Name of Applicant:  1)MARATHON GTF TECHNOLOGY LTD.  Address of Applicant:5555 San Felipe Houston TX 77056 2799 U.S.A.  (72)Name of Inventor:  1)WAYCUILIS John J.  2)GADEWAR Sagar B.  3)THOMAS Raphael
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#### (57) Abstract:

Process and systems for alkane bromination and, in one or more embodiments, to separate, parallel meth ane and higher alkanes bromination in a bromine-based process. An embodiment discloses a bromine-based process for converting alkanes to liquid hydrocarbons that includes al kanes bromination, the process comprising: brominating a methane stream comprising methane and having less than about 2 mol% of ethane to form methane bromination products comprising brominated methane and a first fraction of hydrogen bromide; separately brominating a C2+ alkane stream comprising an alkane having 2 or more carbon atoms to form C2+ methane bromination products comprising brominated alkanes having 2 or more carbon atoms and a second fraction of hydrogen bromide; and catalytically reacting at least a portion of the brominated methane and the brominated alkanes to form higher molecular hydrocarbons.

No. of Pages: 45 No. of Claims: 20

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SPECIMEN CONTAINER DETECTION

(51) International :G01N35/00,B29C49/78,G01B11/24 classification

(31) Priority Document No :61/556667 (32) Priority Date :07/11/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/063918 Application No

:07/11/2012 Filing Date

(87) International Publication :WO 2013/070744 No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

:NA

(71)Name of Applicant:

1)BECKMAN COULTER INC.

Address of Applicant :250 Kraemer Blvd. Brea California

92821 U.S.A.

(72)Name of Inventor: 1)MLLER Martin 2)WEIHS Andreas 3)GUNZER Gerhard 4)EBERHARDT Michael

# (57) Abstract:

A system is disclosed. The system includes at least one image acquisition device configured to obtain one or more images of sample containers in a sample container holder. It also includes an image analysis device coupled to the at least one image acquisition device. The image analysis device is configured to analyze by a processor the one or more images of the sample containers in the sample container holder to determine (a) a presence or absence of sample containers at sample container holder locations in the sample container holder and (b) sample container characteristics of the sample containers in the sample container holder wherein the sample container characteristics include one or more of cap color cap shape labels and markers associated with the sample containers or one or more sample container holder characteristics.

No. of Pages: 45 No. of Claims: 27

(19) INDIA

(22) Date of filing of Application :07/05/2014

(21) Application No.3693/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: DEVICE FOR CULTURING CELLS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	2007734 07/11/2011 Netherlands	(71)Name of Applicant:  1)TULIP LIFE SCIENCE PRODUCTS B.V.  Address of Applicant: Julianasingel 42 NL 5802 AW Venray Netherlands (72)Name of Inventor:  1)NELISSEN Franciscus Petrus Nicolaas 2)VAN BEEK Antoon
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#### (57) Abstract:

The invention relates to a device for culturing cells which device comprises a bottom wall at least one side wall as an upper wall for forming an interior volume that can be shut off from the outside world a liquid culture comprising cells being present on the bottom wall in use between the at least one side wall to which volume fluid can be supplied via at least one supply channel disposed in the upper wall and from which fluid can be discharged via at least one discharge channel disposed in the upper wall.

No. of Pages: 44 No. of Claims: 28

(21) Application No.3694/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: OZONE DISTRIBUTION IN A FAUCET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C02F1/78 :61/567392 :06/12/2011 :U.S.A. :PCT/US2012/068283 :06/12/2012 :WO 2013/086217	(71)Name of Applicant:  1)MASCO CORPORATION OF INDIANA Address of Applicant:55 East 111th Street Indianapolis IN 46280 U.S.A. (72)Name of Inventor: 1)ROSKO Michael Scot 2)JONTE Patrick B.
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	3)DEVRIES Adams M. 4)THOMAS Kurt Judson 5)SAWASKI Joel D.
Filing Date	:NA	

# (57) Abstract:

A faucet for dispensing a fluid includes a spout a pull out spray head removably coupled to the spout and including an outlet and a valve assembly in fluid communication with the outlet. Additionally the faucet includes a fluid treatment assembly configured to output a treatment into the fluid. The faucet further comprises a first flow path and a second flow path.

No. of Pages: 72 No. of Claims: 29

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHODS AND SYSTEMS FOR CATALYST DELIVERY

(51) International classification :C08F10/00,B01J8/00,B01J8/24 (71)Name of Applicant : (31) Priority Document No :61/565012

(32) Priority Date :30/11/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/061881

Filing Date :25/10/2012 (87) International Publication No :WO 2013/081748

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)UNIVATION TECHNOLOGIES LLC

Address of Applicant :5555 San Felipe Suite 1950 Houston

TX 77056 U.S.A.

(72)Name of Inventor: 1)WRIGHT Dale A.

2)PARRISH John R. 3)SWECKER James L. 4)GOODE Mark G.

## (57) Abstract:

A method for the delivery of a catalyst to a polymerization reactor is disclosed, comprising: contacting a catalyst with a carrier fluid comprising an inert hydrocarbon in gaseous form, the inert hydrocarbon having a normal boiling point of about -1°C to about 81°C; and flowing the carrier fluid to the polymerization reactor such that the carrier fluid transports the catalyst to the polymerization reactor. A catalyst delivery system is disclosed, comprising: a catalyst vessel for containing a catalyst; a catalyst in - jection line for delivering the catalyst to a polymerization reactor, the catalyst injection line being in fluid communication with the catalyst vessel and the polymerization reactor; and a carrier fluid line in fluid communication with the catalyst injection line for de - livering a carrier fluid comprising an inert hydrocarbon to the catalyst injection line, the inert hydrocarbon having a normal boiling point of about -1°C to about 81°C.

No. of Pages: 37 No. of Claims: 21

(21) Application No.3696/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPELLER FOR A TURBOMACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:F01D5/30,F01D11/00 :1160394 :15/11/2011 :France :PCT/FR2012/052593 :12/11/2012 :WO 2013/072605 :NA :NA	(71)Name of Applicant:  1)SNECMA  Address of Applicant: 2 boulevard du Gnral Martial Valin F 75015 Paris France (72)Name of Inventor:  1)GENDRAUD Alain Dominique 2)GARIN Fabrice Marcel No«l 3)LUNEL Romain Nicolas
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an impeller for a turbomachine such as a turbojet engine or a turboprop engine of an aircraft having a rotor disk (50) comprising at the outer periphery thereof ribs (14) defining cavities (18) for the axial mounting and radial retention of blade roots. An annular spoiler (48) comprises an annular flange (52) extending axially in a downstream direction and radially towards the inside of radial retention means (70) formed in axial projection on the upstream face of the disk (50) and sealing means (84) are arranged radially on the inside of the annular spoiler (48) and the upstream ends of the platforms of the blades.

No. of Pages: 15 No. of Claims: 11

(21) Application No.3710/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: DEVICE AND METHOD FOR CLEANING EMISSION PROTECTION INSTALLATIONS IN COKE QUENCHING TOWERS

(51) International classification:C10B39/08,B01D45/18,B08B3/02 (71)Name of Applicant:

(31) Priority Document No :10 2011 054 515.8

(32) Priority Date :14/10/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/065961

:15/08/2012

Filing Date

(87) International Publication :WO 2013/053515 No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)THYSSENKRUPP INDUSTRIAL SOLUTIONS AG

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Germany

(72)Name of Inventor:

1)CONRAD Thorsten 2)FREIMUTH Bodo

3)FREIMUTH Klaus

## (57) Abstract:

The invention relates to a device and a method for cleaning emission protection installations (3) in coke quenching towers. The emission protection installations (3) are fixed to a support structure (2) in the chimney (1) of the coke quenching tower. A liquid is sprayed onto the emission protection installations (3) by means of nozzles (6) for cleaning purposes. The nozzles (6) are arranged on at least one movable element (8).

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

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PLANT CONTROL APPARATUS, PLANT CONTROL METHOD AND PLANT CONTROL PROGRAM

(51) International classification	:B21B37/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 170094	1)HITACHI, LTD Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:31/07/2012	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HATTORI SATOSHI
Filing Date	:NA	2)FUKUCHI YUTAKA
(87) 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 plant control apparatus for performing feedback control on the basis of a state amount deviation of a control subject plant (300) has: an interstand tension control unit (10) for performing the feedback control of at least one of proportional control, integral control, and derivative control based on the state amount deviation; a steady-state deviation compensating apparatus (201) for performing the integral control of a control gain lower than a control gain by the interstand tension control unit (10) on the basis of the state amount deviation; a control operation restricting apparatus (200) for, when an absolute value of the state amount deviation is equal to or less than a predetermined value, restricting the feedback control by the interstand tension control unit (10) and allowing the steady-state deviation compensating apparatus (201) to execute the integral control; and a control gain correcting apparatus (203) for adjusting the control gain of the interstand tension control unit (10) on the basis of a control response of the control subject plant (300) to the integral control by the steady-state deviation compensating apparatus (201).

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYRINGE WITH REMOVABLE PLUNGER FOR ARTERIAL BLOOD GAS SAMPLE COLLECTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A61B5/15,A61B5/153 :61/549536 :20/10/2011 :U.S.A. :PCT/US2012/060778	(71)Name of Applicant: 1)BECTON DICKINSON AND COMPANY Address of Applicant: 1 Becton Drive Franklin Lakes New Jersey 07417 U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:18/10/2012 :WO 2013/059429	1)WEI LI Neo Kevin 2)CHEE MUN Kuan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	Z)ONEE MON Ruun
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A fluid collection assembly (10) and method for use thereof is provided including a fluid collection cartridge (20) having a tubular member (21) with a plunger assembly slidably inserted. The plunger assembly includes a stopper (32) and a plunger rod (31). The stopper and plunger rod are removably interlocked together which enables the plunger rod to exert a force in a distal direction on the stopper and to be removed from the stopper upon the application of a proximal force thereto. The fluid collection assembly is particular useful in the collection of arterial blood. In use the assembly is primed with a liquid anticoagulant the plunger rod is removed and a blood sample is collected with the arterial pressure causing the stopper to travel in a proximal direction along the cartridge.

No. of Pages: 30 No. of Claims: 22

(21) Application No.3717/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CARBURIZING SENSING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2011233881 :25/10/2011 :Japan :PCT/JP2012/070159 :08/08/2012 :WO 2013/061667 :NA :NA	(71)Name of Applicant:  1)NIPPON STEEL & SUMITOMO METAL  CORPORATION  Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku  Tokyo 1008071 Japan  (72)Name of Inventor:  1)HYODO Shigetoshi 2)TAKIMOTO Yoshikazu
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

To provide a carburizing sensing method with which it is possible to sense minute carburizing which cannot be easily sensed with existing carburizing sensing methods. [Solution] The present invention comprises: inserting a carburizing material (PO) which is known to give off carburization in an inner surface of a pipe into an excitation coil (11) and a detector coil (12) and establishing the value of a parameter (K) which is represented with the formula (1) below with the current value of the exciting current which passes through the excitation coil designated I(A) the length of the excitation coil designated L(mm) the number of turns of the excitation coil designated N and the frequency of the excitation current which passes through the excitation coil designated F(kHz) such that it is possible to detect carburization which arises in the carburizing material based on an output signal from the detector coil; and thereafter setting the conditions of the excitation coil such that the value of the parameter (K) may be obtained and then sensing the presence of carburization on the inner surface of the pipe which is to be inspected. K = (I N/L) F - 3/2(1)

No. of Pages: 34 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: HIGH ENERGY DENSITY STORAGE DEVICE

(51) International classification :H01G4/018,H01G4/228 (71)Name of Applicant : 1)STUART Martin A. (31) Priority Document No :61/560461 (32) Priority Date Address of Applicant: 3612 W. Victory Blvd. Burbank CA :16/11/2011 (33) Name of priority country 91505 U.S.A. :U.S.A. 2) CUNNINGHAM Stephen L. (86) International Application No :PCT/US2012/064944 Filing Date :14/11/2012 (72)Name of Inventor: (87) International Publication No :WO 2013/074577 1)STUART Martin A. (61) Patent of Addition to Application 2) CUNNINGHAM Stephen L. :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.3627/DELNP/2014 A

## (57) Abstract:

A device and method for providing electrical energy storage of high specific energy density. The device contains a plurality of layers of high dielectric constant material such as Barium Titanate or Hexagonal Barium Titanate sandwiched between electrode layers made up of a variety of possible conducting materials. The device includes additional insulating layers such as Diamond Like Carbon Coating between the electrodes that provide for very high breakdown voltages. Layers are created by a variety of methods and assembled to form the device that is the High Energy Density Storage Device.

No. of Pages: 27 No. of Claims: 28

(21) Application No.3628/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: STAGE DEVICE FOR LASER PROCESSING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11/11/2011 :WO 2013/069156 :NA :NA :NA	(71)Name of Applicant: 1)NIPPON SHARYO LTD. Address of Applicant: 1 1 Sanbonmatsu cho Atsuta ku Nagoya shi Aichi 4568691 Japan (72)Name of Inventor: 1)NISHIWAKI Yasuki
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A stage device for a laser processing machine is equipped with: a stage (12) the lower parts of both sides of which are supported on linear guides (13) equipped with sliders (16) that move along a pair of guide rails (15) arranged in parallel; and linear servomotors (14) that move the stage along the guide rails. Core equipped linear servomotors are used as the linear servomotors and the stationary elements (17) of the linear servomotors are arranged facing the side of the stage at a location higher than the guide rails and outside of the guide rails; in addition the moving elements (18) of the linear servomotors are arranged at locations on both sides of the stage facing the stage side of the stationary elements. Thus the downward bending of the center part of the stage due to the weight of the stage itself can be eliminated and ultrafine processing by means of the laser light can be performed reliably.

No. of Pages: 13 No. of Claims: 1

(19) INDIA

(22) Date of filing of Application :07/05/2014

(21) Application No.3720/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: TRANSMISSION

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F16H3/089 :1117871.2 :14/10/2011 :U.K. :PCT/GB2012/052551 :15/10/2012 :WO 2013/054141 :NA :NA :NA	(71)Name of Applicant:  1)ABU AL RUBB Khalil  Address of Applicant: Salwa Road KBAS Co. P.O. Box 22599  Doha Qatar (72)Name of Inventor:  1)ABU AL RUBB Khalil
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## (57) Abstract:

A transmission comprising a plurality of concentric tori each tori having means for engaging with an adjacent tori the engaging means being actuated by the pressure of a pressurised fluid to thereby increase or decrease a gearing of gears attached to the transmission. A method of gearing is also provided.

No. of Pages: 28 No. of Claims: 18

(21) Application No.3721/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: REDUCED GENOME BACTERIA WITH IMPROVED GENETIC STABILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N1/08,C12N15/10 :61/549375 :20/10/2011 :U.S.A. :PCT/US2012/061027 :19/10/2012 :WO 2013/059595 :NA :NA :NA	(71)Name of Applicant:  1)SCARAB GENOMICS LLC  Address of Applicant: 1202 Ann Street Madison WI 53713  U.S.A.  (72)Name of Inventor:  1)BLATTNER Frederick R.  2)CSORGO Balint  3)POSFAI Gyorgy
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## (57) Abstract:

Reduced genome bacteria with improved genetic stability are provided. Also provided are methods of producing polypeptides using the reduced genome bacteria with improved genetic stability.

No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CARBONIC ANHYDRASE IX RELATED MARKERS AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:C12Q1/68 :61/550807 :24/10/2011 :U.S.A. :PCT/US2012/061711 :24/10/2012 :WO 2013/063130	(71)Name of Applicant:  1)METASIGNAL THERAPEUTICS INC.  Address of Applicant: 8880 Sidaway Road Richmond British Columbia V6W 1G8 Canada  2)BRITISH COLUMBIA CANCER AGENCY (72)Name of Inventor:  1)MCDONALD Paul C.  2)LOCK Frances E.
	:WO 2013/063130 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present disclosure provides methods for detecting the presence of a cancer stem cell and their use in cancer prognosis evaluating risk of cancer metastasis identifying or validating drug candidates and determining treatment efficacy. It also provides kits useful for detecting the presence of cancer stem cells as well as methods of treating cancer using CAIX inhibitors.

No. of Pages: 97 No. of Claims: 55

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3772/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: METHODS FOR PREVENTING OR TREATING CERTAIN DISORDERS BY INHIBITING BINDING OF IL 4 AND/OR IL 13 TO THEIR RESPECTIVE RECEPTORS

(51) International classification	· · · · · · · · · · · · · · · · · · ·	(71)Name of Applicant:
(31) Priority Document No	:61/570018	1)PIERIS AG
(32) Priority Date	:13/12/2011	Address of Applicant :Lise Meitner Strasse 30 85354 Freising
(33) Name of priority country	:U.S.A.	Weihenstephan Germany
(86) International Application No	:PCT/EP2012/075146	(72)Name of Inventor:
Filing Date	:12/12/2012	1)HOHLBAUM Andreas
(87) International Publication No	:WO 2013/087660	2)AUDOLY Laurent
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to methods of treating, ameliorating or preventing a disorder comprising administering a therapeutically effective amount of a composition comprising a protein which inhibits IL-4 and/or IL-13 from binding to their re spective receptors to a subject in need thereof. In some embodiments, the disorder is preferably associated with an increase of the Th2 immune response. In some embodiments, administration is preferably locally to the lung in order to treat, ameliorate or prevent allergic asthma, rhinitis, conjunctivitis, lung fibrosis, cystic fibrosis, chronic obstructive pulmonary disease, pulmonary alveolar pro - teinosis or adult respiratory distress syndrome.

No. of Pages: 60 No. of Claims: 47

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: BUTT JOINT DEVICE FOR SHEET FORM MEMBERS AND METHOD OF USING SAME

(51) International classification :B29C65/78,B29D30/38 (71)Name of Applicant : (31) Priority Document No 1)BRIDGESTONE CORPORATION :2011-244875 (32) Priority Date Address of Applicant: 10 1 Kyobashi 1 chome Chuo ku Tokyo :08/11/2011 (33) Name of priority country :Japan 1048340 Japan (86) International Application No (72)Name of Inventor: :PCT/JP2012/007020 1)ITO Kanau Filing Date :01/11/2012 (87) International Publication No :WO 2013/069235 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

This butt joint device of sheet-form member is provided with a support plate (2), a moveable arm member (3) capable of displacement towards or away from said support plate (2), and a pair of joining means (4a, 4b) opposed to each of the support plate (2) and the moveable arm member (3). Each of the pair of joining means (4a, 4b) is configured by arranging, in parallel with the extension direction of the moveable arm component (3), two gear rollers (11a, 12a) which have grooves (12) extending circumferentially on the frustoconical outer peripheral surface and which rotate in synchronization with each other, and two dip rollers (21a, 21b) which similarly have grooves (22) on the cylindrical outer peripheral surface and rotate in synchronization. In a state in which the end portions of two sheet-form members to be joined are held between the aforementioned pair of joining means (4a, 4b), the support plate (2) and the moveable arm member (3) are moved in one extension direction of the moveable arm member (3) to bring together the end portions, thereby forming a butt joint between the end surfaces of the sheet-form members. This butt joint device is configured so as to provide the dip rollers (21a, 21b) on the front side relative to the direction of movement and the gear rollers (11a, 12a) in the rear side.

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

(21) Application No.3771/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TCP RELAY FOR WIRELESS APPLICATIONS

:NA

(51) International (71)Name of Applicant: :H04W24/02,H01Q3/00,H04W80/06 classification 1)BELAIR NETWORKS INC. Address of Applicant :603 March Road Kanata Ontario K2K (31) Priority Document No :NA (32) Priority Date :NA 2M5 Canada (33) Name of priority (72)Name of Inventor: :NA 1)SMITH Roland country (86) International 2)LO Waichi :PCT/CA2011/001369 Application No 3)RAYMENT Stephen :16/12/2011 Filing Date (87) International Publication: WO 2013/086604 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

#### (57) Abstract:

Filing Date

A system for improving TCP signal reception comprising a TCP relay component a wireless component and an antenna (e.g. a smart antenna) coupled to the wireless component. The system being configured to receive a TCP packet with sequence number N send that packet wirelessly (e.g. using 802.11) to a client receive the client's wireless ACK indicating that the packet was received and use the client's ACK as the trigger to send a TCP Acknowledgement of the TCP sequence number N.

No. of Pages: 37 No. of Claims: 19

(19) INDIA

(21) Application No.3778/DELNP/2014 A

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: NEEDLE GUIDANCE SYSTEM

(51) International :A61B17/34,A61B17/16,A61B5/00

classification

(31) Priority Document No (32) Priority Date

:61/546929 :13/10/2011

(33) Name of priority country: U.S.A. (86) International Application

:PCT/US2012/060278

Filing Date

:15/10/2012

(87) International Publication

:WO 2013/056243

No

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)LUMOPTIK LLC

Address of Applicant :2700 West Park Blvd. Shaker Heights

OH 44120 U.S.A.

(72)Name of Inventor:

1)JANICKI Thomas I.

2)JANICKI Arthur Anthony

3)JANICKI Oscar Thomas

# (57) Abstract:

A system and device to determine the location of a needle as it penetrates through a tissue and into a desired site, such as the epidural space, are described. The system (1000) contains a light guide (1020), a light source (1040), a light sensor (1050), and a logic unit (1060). When the tip of the needle (1010) traverses the relatively dense Ligamantum Flavum, the reflecting plane of the ligament is positioned at or near zero distance relative to the tip of the device. Once the tip enters a less dense epidural space the distance to the reflecting plane becomes greater than zero thus producing a drop in intensity of the reflected light. That drop in the intensity of the reflected light is measured by the light sensor and interpreted by a logic unit to be consistent with entry into the epidural space, allowing the system to provide a signal indicating entry into the epidural space.

No. of Pages: 34 No. of Claims: 18

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: UNDER SURFACE MARKING PROCESS FOR A PUBLIC/PRIVATE KEY

(51) International classification (31) Priority Document No	:G02B5/32 :NA	(71)Name of Applicant : 1)THOR Gautam
(32) Priority Date	:NA	Address of Applicant :P.O. Box 12613 La Jolla San Diego CA
(33) Name of priority country	:NA	92039 2613 U.S.A.
(86) International Application No	:PCT/US2011/055752	(72)Name of Inventor:
Filing Date	:11/10/2011	1)THOR Gautam
(87) International Publication No	:WO 2013/055318	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The innovation involves the use of a laser to ablate a calculated microstructure or employ an adaptation of maskless photolithography using a Digital Micromirror Device to serve as a Spatial Light Modulator to embed a covert diffraction screen holding encrypted information under transparent surfaces of plastics or glass substrates. One method includes the steps of fragmenting the calculated diffraction screen into at least first and second parts that are placed in separate locations. In this method the binary pattern in each of the parts includes information representing a respective portion of the original image and needs to be interrogated simultaneously to provide a meaningful visual output: each part by itself being incapable of generating any meaningful information. The fragmentation method allows a public private key type of secure system platform.

No. of Pages: 17 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: ELECTRONIC FAUCET

(51) International classification	:E03C1/05	(71)Name of Applicant :
(31) Priority Document No	:61/567510	1)MASCO CORPORATION OF INDIANA
(32) Priority Date	:06/12/2011	Address of Applicant :55 East 111th Street Indianapolis IN
(33) Name of priority country	:U.S.A.	46280 U.S.A.
(86) International Application No	:PCT/US2012/068265	(72)Name of Inventor:
Filing Date	:06/12/2012	1)VEROS Michael J.
(87) International Publication No	:WO 2013/086206	2)THOMAS Kurt Judson
(61) Patent of Addition to Application	:NA	3)GALAMBUS Mark
Number	:NA	4)DEVRIES Adam M.
Filing Date	.IVA	5)TYNER Tony
(62) Divisional to Application Number	:NA	6)SAWASKI Joel D.
Filing Date	:NA	7)DAVIDSON Kyle Robert

(21) Application No.3707/DELNP/2014 A

#### (57) Abstract:

An electronic faucet assembly includes a mixing valve and a user interface in communication with a controller. Input to the user interface illustratively causes the controller to operate in a flow control mode or a temperature control mode. In the flow control mode the mixing valve provides flow control of water at a constant temperature while in the temperature control mode the mixing valve provides temperature control of water at a constant flow. A memory device may be secured to a faucet component to store identification data related thereto.

No. of Pages: 59 No. of Claims: 49

(21) Application No.3786/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DIRECTING A DRILLING OPERATION USING AN OPTICAL COMPUTATION ELEMENT

(51) International classification :E21B47/12,G01N21/00,E21B47/00

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application :PCT/US2011/060782

Filing Date :15/11/2011

(87) International Publication :WO 2013/074089

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application :NA
Number :NA
Filing Date

(71)Name of Applicant:

1)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :10200 Bellaire Blvd Houston Texas

77072 U.S.A.

(72)Name of Inventor:

1)BITTAR Michael S.

2)MENEZES Clive D.

3)JONES Christopher M.

#### (57) Abstract:

Various embodiments include apparatus and methods to operate a tool downhole in a well where the tool has an optical computation element to determine different properties of downhole structures. Such an optical computation element can be structured to provide optical analysis of fluid and material composition of the downhole environment associated with a drilling operation. The data measurements from the optical computation element can be used in a geosteering operation. Additional apparatus systems and methods are disclosed.

No. of Pages: 37 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3787/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: HIPIMS LAYERING

(51) International classification	:H01J37/34,C23C14/34	(71)Name of Applicant:
(31) Priority Document No	:10 2011 117 994.5	1)OERLIKON TRADING AG TRBBACH
(32) Priority Date	:09/11/2011	Address of Applicant :Hauptstrasse 53 CH 9477 Tr <sup>1</sup> / <sub>4</sub> bbach
(33) Name of priority country	:Germany	Switzerland
(86) International Application No	:PCT/EP2012/004498	(72)Name of Inventor:
Filing Date	:26/10/2012	1)KRASSNITZER Siegfried
(87) International Publication No	:WO 2013/068080	2)LECHTHALER Markus
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a method for the vapour deposition of PVD layer Systems by means of sputtering on at least one Substrate, wherein the layer System comprises at least a first layer, characterized in that, at least in one step of the method, a HIPIMS method is used with a power density of at least 250 W/cm 2, wherein a pulse length with a duration of at least 5 ms is used while a Substrate bias is applied to the Substrate.

No. of Pages: 9 No. of Claims: 5

(21) Application No.3788/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TOWING DEVICE WITH A HINGED FAIRLEAD

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:1103427	1)THALES
(32) Priority Date	:10/11/2011	Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur
(33) Name of priority country	:France	Seine France
(86) International Application No	:PCT/EP2012/072188	(72)Name of Inventor:
Filing Date	:08/11/2012	1)BOREL Christophe
(87) International Publication No	:WO 2013/068497	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a towing device intended to be fitted to the deck of a ship. The device comprises a winch, a cable (14) and a fairlead (20), the cable (14) passing through the fairlead (20) under the action of the winch. According to the invention, the fairlead (20) com prises at least first and second sectors (21, 22), the sectors allowing the cable (14) to be guided into a groove formed in each of the sectors (21, 22), a first hinge (27) with a degree of freedom in rotation about an axis (28), the hinge (27) linking the two sectors (21, 22), the axis (28) being substantially perpendicular to a direction according to which the cable (14) extends substantially in the fairlead (20) at the hinge (27), limiting means for limiting the angular displacement of the hinge (27). The sectors (21, 22) and the limiting means are dimensioned in such a way as to prevent the cable (14) from exceeding a lower limit of radius of curvature.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A URINARY CATHETER ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A61M25/00 :PA 2011 70651 :25/11/2011 :Denmark :PCT/DK2012/050433 :26/11/2012 :WO 2013/075725 :NA :NA	(71)Name of Applicant:  1)COLOPLAST A/S  Address of Applicant: Holtedam 1 DK 3050 Humlebaek  Denmark (72)Name of Inventor:  1)Hagel Bent
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3789/DELNP/2014 A

#### (57) Abstract:

The present invention provides a urinary catheter assembly which comprises at least one urinary catheter for collecting urine from a body opening and a collecting bag connected to the catheter in a way that a urinary flow can be established in a flow path from the catheter into the bag. The assembly further comprises a catheter package with a container and a cover. The container forms an accommodation for an insertable part of the catheter and the cover forms a cavity for the collecting bag. The cover is releasably fixed to the container. Furthermore the package forms an overlap in which the cavity partly covers the accommodation.

No. of Pages: 24 No. of Claims: 17

(21) Application No.3614/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: TAPE STITCHING APPARATUS

(51) International :D05B35/06,D05B19/10,D05C7/08 classification

(31) Priority Document No :2011-222659 (32) Priority Date :07/10/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/075426

:01/10/2012 Filing Date

(87) International Publication

:WO 2013/051518 (61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant: 1)JUKI CORPORATION

Address of Applicant: 11 1 Tsurumaki 2 chome Tama shi

Tokyo 2068551 Japan (72)Name of Inventor: 1)KONDOU Kouichi 2)KATOU Shigeki

A tape-stitcming apparatus for stitching tape (T) to the body of a garment (LO, LI, RI, RO) is provided with: a locator pin (16) that projects upward from a table (100), for positioning the body of the garment (LO, LI, RI, RO); a body-securing part (11, 12) for gripping the positioned body of the garment (LO, LI, RI, RO); an X-Y feed device for moving the body-securing part along the horizontal plane on the basis of a sewing pattern; a tape-supply device (3) for supplying tape (T) onto the body of the garment (LO, LI, RI, RO); a sewing machine (2) for stitching the tape (T) to the body of the garment (LO, LI, RI, RO) on the basis of the sewing pattern; and a control means (5) for varying the sewing pattern on the basis of changes in the width of the tape (T).

No. of Pages: 91 No. of Claims: 5

(21) Application No.3615/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

:NA

## (54) Title of the invention: COMBINED RHEOMETER/MIXER HAVING HELICAL BLADES AND METHODS OF DETERMINING RHEOLOGICAL PROPERTIES OF FLUIDS

(51) International classification	:G01V9/02,E21B47/00	(71)Name of Applicant :
(31) Priority Document No	:13/293469	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:10/11/2011	Address of Applicant :10200 Bellaire Boulevard Houston TX
(33) Name of priority country	:U.S.A.	77072 U.S.A.
(86) International Application No	:PCT/US2012/060085	(72)Name of Inventor:
Filing Date	:12/10/2012	1)MORGAN Ronnie G.
(87) International Publication No	:WO 2013/070382	2)PINDIPROLU Sairam K. S.
(61) Patent of Addition to Application	:NA	3)BALARAMAN Balasundaram
Number	:NA	4)PANGU Ganesh S.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

A method of determining rheological properties can include dispensing a fluid into a rheometer including a stator having at least one helical blade, measuring torque (T) due to relative rotation between the stator and a rotor of the rheometer at different rotational speeds (RPMs), calculating shear stress (SS) as follows: SS = TPK, and calculating volume averaged shear rate (VASR) as follows: VASR = klRPM, where K, kl, a and b are experimentally-derived coefficients. A method of mixing fluids and performing a rheological test on the admixed fluids can include dispensing a fluid into a rheometer, then dispensing another fluid into the rheometer, then mixing the fluids with at least one helical blade of the rheometer, and then measuring torque due to relative rotation between a stator and a rotor of the rheometer. A rotary rheometer can include a rotor, and a stator having at least one helical blade.

No. of Pages: 53 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :05/05/2014

(21) Application No.3616/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SWEETENED BEVERAGES

(51) International classification	:A23L2/60,A23L2/68	(71)Name of Applicant:
(31) Priority Document No	:61/577,248	1)GIVAUDAN SA
(32) Priority Date	:19/12/2011	Address of Applicant : Chemin de la Parfumerie 5 CH 1214
(33) Name of priority country	:U.S.A.	Vernier Switzerland
(86) International Application No	:PCT/EP2012/076077	(72)Name of Inventor:
Filing Date	:19/12/2012	1)HAYES Mariaelena Zuniga
(87) International Publication No	:WO 2013/092657	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed are flavored and juice beverages sweetened with Rebaudioside A (RebA) comprising an organic acid and glucono delta lactone.

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

(21) Application No.3617/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: AIR COMPRESSING DEVICE FOR A CYCLE

(51) International :F04B33/00,F04B33/02,B60C23/10 classification

(31) Priority Document No :11 03575 (32) Priority Date :23/11/2011

(33) Name of priority country: France

(86) International Application :PCT/FR2012/052706

:23/11/2012 Filing Date

(87) International Publication

:WO 2013/076429

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)AGHILONE Marcello

Address of Applicant : Chemin de Chichery F 34120 Pezenas

(72)Name of Inventor: 1)AGHILONE Marcello

# (57) Abstract:

The present invention relates to an air compressing device (1) for a cycle (2) said cycle being provided with a crankset (200) said device (1) including at least one cartridge (3) for storing compressed air and a compression means (6) which is connected to said cartridge (3) and which consists of a means (7) for engaging with said crankset (200) and at least a first (8) and second (9) compression chamber each of which is provided with an air piston (80 90) characterized in that said engagement means (7) is connected to each piston (80 90) and translatably drives the stroke of each piston so as to carry out compression in the respective chamber (89) and in that said first chamber (8) is connected to said second chamber (9) so as to transfer the compressed air within said first chamber (8) to said second chamber (9) when compression is being carried out in the latter.

No. of Pages: 18 No. of Claims: 9

(21) Application No.3796/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : ARYL UREA DERIVATIVES AS N FORMYL PEPTIDE RECEPTOR LIKE 1 (FPRL 1) RECEPTOR MODULATORS

(51) International classification	:C07C275/30,A61P27/02	(71)Name of Applicant :
(31) Priority Document No	:61/558121	1)ALLERGAN INC.
(32) Priority Date	:10/11/2011	Address of Applicant :2525 Dupont Drive Irvine California
(33) Name of priority country	:U.S.A.	92612 U.S.A.
(86) International Application No	:PCT/US2012/063702	(72)Name of Inventor:
Filing Date	:06/11/2012	1)BEARD Richard L.
(87) International Publication No	:WO 2013/070600	2)DUONG Tien T.
(61) Patent of Addition to Application	:NA	3)DONELLO John E.
Number	:NA	4)VISWANATH Veena
Filing Date		5)GARST Michael E.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to novel aryl urea derivatives, processes for preparing them, pharmaceutical compositions containing them and their use as pharmaceuticals as modulators of the N-formyl peptide receptor like-1 (FPRL-1) receptor.

No. of Pages: 59 No. of Claims: 14

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TREATMENT OF CONTAMINATED LIQUIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:1117524.7 :11/10/2011 :U.K.	(71)Name of Applicant:  1)ARVIA TECHNOLOGY LIMITED  Address of Applicant: Daresbury Innovation Centre Keckwick  Lane Daresbury Cheshire WA4 4FS U.K.  (72)Name of Inventor:  1)BROWN Nigel Willis  2)ROBERTS Edward P. L.  3)HERAS RODRIGUEZ Nuria de las
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#### (57) Abstract:

Apparatus and method for the treatment of a contaminated liquid to remove contaminants from said liquid. The apparatus comprises a bed of a carbon based adsorbent material capable of electrochemical regeneration at least one pair of electrodes operable to pass an electric current through said bed to regenerate the adsorbent material and means to admit contaminated liquid into said bed to contact said adsorbent material at a flow rate which is sufficiently high to pass the liquid through the bed but below the flow rate required to fluidise the bed of adsorbent material.

No. of Pages: 32 No. of Claims: 27

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TREAD COMPRISING TREAD PATTERN ELEMENTS COVERED WITH A THERMOPLASTIC MATERIAL

(51) International classification (31) Priority Document No	:B60C11/04,B60C11/03 :1161803	(71)Name of Applicant : 1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:16/12/2011	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 Cours Sablon F 63000 Clermont
(86) International Application No	:PCT/EP2012/075606	Ferrand France
Filing Date	:14/12/2012	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2013/087870	(72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)ABAD Vincent 2)PERRIN Frdric 3)DUVERNIER Marc
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a tyre tread comprising: a plurality of tread pattern lments including side surfaces (13, 15) and a contact surface (2) intended to be in contact with the road during the rolling of a tyre provided with said tread, the contact limit between the contract surface (2) and the ground forming at least one edge (23, 25); a plurality of cut-outs (3) in the form of a groove and/or incision, said cut-outs (3) being defined by opposing side surfaces, and each tread pattern lment being formed with at least a first rubber mix (know as the base mix).

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

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: SHOE SOLE COMPRISING A RUBBER COMPOSITION BASED ON NITRILE BUTADIENE RUBBER AN OIL AND A RESIN

(51) International :A43B13/02,A43B13/04,C08K3/36

classification (31) Priority Document No :1162355

(32) Priority Date :23/12/2011 (33) Name of priority country: France

(86) International Application :PCT/EP2012/075604

No :14/12/2012 Filing Date

(87) International Publication

:WO 2013/092429

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant:

(21) Application No.3686/DELNP/2014 A

1) COMPAGNIE GENERALE DES ETABLISSEMENTS

MICHELIN

Address of Applicant :12 Cours Sablon F 63000 Clermont

ferrand France

2)MICHELIN RECHERCHE ET TECHNIQUE S.A.

(72)Name of Inventor: 1)RAPO BRUNET Sofia

### (57) Abstract:

The prsent invention relates to shoe soles comprising a rubber composition that comprises at least: 60 to 100 phr of a nitrile-butadiene rubber; - between 10 and 50 phr of a reinfbrcing filler; - a plasticizing System comprising: - a hydrocarbon-based resin having a Tg of greater than 20°C; - a plasticizer that is liquid at 20°C, the Tg of which is less than -20°C; - a crosslinking System. The use of an elastomer composition based on a nitrile-butadiene rubber and a mixture of two plasticizers, one liquid plasticizer and one resin, at specific contents, in a shoe sole according to the invention, makes it possible to obtain shoe soles having good grip on various floors, while retaining a good wear rsistance and a low hydrocarbon absorption.

No. of Pages: 26 No. of Claims: 16

(21) Application No.3800/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTRONIC EQUIPMENT AND PROGRAM

(51) International classification	:G06F1/32,H04N5/225	(71)Name of Applicant:
(31) Priority Document No	:2011-226103	1)NIKON CORPORATION
(32) Priority Date	:13/10/2011	Address of Applicant :12 1 Yurakucho 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008331 Japan
(86) International Application No	:PCT/JP2012/006308	(72)Name of Inventor:
Filing Date	:02/10/2012	1)HAYASHI Masaki
(87) International Publication No	:WO 2013/054486	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Electronic equipment comprises: a connection section; a first IF circuit that effects communication with a first communication rate through the connection section with external equipment connected through the connection section; a second IF circuit that communicates with a higher rate than the first communication rate through the connection section with the external equipment; and a control section that controls supply of power to another IF circuit if one IF circuit of the first IF circuit and second IF circuit is selected as the IF circuit to be employed for communication.

No. of Pages: 70 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3801/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : A STRETCHABLE LIGHT WEIGHT WOVEN POLYTRIMETHYLENE TEREPHTHALATE BASED FABRIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D03D15/08 :3197/DEL/2011 :11/11/2011 :India :PCT/US2012/064341 :09/11/2012 :WO 2013/071034 :NA :NA	(71)Name of Applicant:  1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant:1007 Market Street Wilmington Delaware 19899 U.S.A. (72)Name of Inventor: 1)KUMAR Akshay 2)NAGARAJAN Gowri
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#### (57) Abstract:

A stretchable woven fabric having a GSM of 70 -130, wherein the fabric being a weft yarn being polytrimethylene terephthalate in the weft direction and a warp yarn being a staple fiber yarn in the warp direction wherein the staple fiber yarn is selected from polytrimethylene terephthalate, cotton, viscose, PET, and blends thereof.

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

(21) Application No.3598/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTERVERTEBRAL SPINAL IMPLANT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>		(71)Name of Applicant: 1)LFC SPOLKA Z.O.O. Address of Applicant: ul. Kozuchowska 41 PL 65 364 Zielona Gora Poland (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2013/058670	2)CECEK Jacek 3)POWCHOWICZ Pawel
Number Filing Date	:NA	4)JEDRYCH Lukasz
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Intervertebral spinal implant in a form of shaped body in which convex side and concave side connects with opposite to each other bearing sides provided with projections for penetration (diving in) vertebral body s wall and having holes for bony tissue and hole in which is situated an element cooperating with installation tool and in which according to the invention each bearing side is provided with at least two sliding guiding runners constituting projections for penetration (diving in) in vertebral body s wall. Sliding guiding runners are situated divergently from the convex side of the body towards convex side and posterior part of the body. Sliding guiding runners are provided with a smooth surface from the convex side of the body and with a rough surface from the concave side of the body. Concave side of the body is provided with at least one guide and convex side of the body with at least one guideline. The bottom of the guideline constitutes formed by rods spatial (three dimensional) framework which fulfills inside of the body and constituting a bearing construct for sliding guiding runners and the guide and also facilitating bony overgrowth.

No. of Pages: 16 No. of Claims: 8

(21) Application No.3599/DELNP/2014 A

Address of Applicant :62136 Lestrem France

1)ROQUETTE FRERES

(72)Name of Inventor:

2)WIATZ Vincent

1)MESNAGER Julien

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PARTIALLY SOLUBLE DEXTRINS OF HIGH MOLECULAR WEIGHT

(51) International classification: C08B30/14,C08B30/18,C08L3/02 (71)Name of Applicant: (31) Priority Document No :11 60559 (32) Priority Date :18/11/2011

(33) Name of priority country :France

(86) International Application :PCT/FR2012/052650 No

:16/11/2012 Filing Date

(87) International Publication :WO 2013/072638

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The subject matter of the invention is a modified starch characterized in that it exhibits: a weight average molecular weight ranging from 250 000 to 2 000 000 Da; a solubility measured according to a test A ranging from 50 to 85%. The invention also relates to a process for the manufacture of said starch and to the use thereof in the manufacture of an aqueous binder.

No. of Pages: 41 No. of Claims: 14

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PROTON CONDUCTIVE ELECTROCHEMICAL CELL AND METHOD FOR MANUFACTURING SUCH A CELL

(51) International classification :C25B1/04,C25B9/10,C25B11/04 (71)Name of Applicant: (31) Priority Document No :1159220 1)AREVA (32) Priority Date :12/10/2011 Address of Applicant :33 rue La Fayette F 75009 Paris France (33) Name of priority country 2)ARMINES :France (86) International Application 3)CENTRE NATIONAL DE LA RECHERCHE :PCT/FR2012/052305 SCIENTIFIQUE (C.N.R.S) :11/10/2012 Filing Date (72)Name of Inventor: (87) International Publication 1)SALA Batrice :WO 2013/054044 No 2)GRASSET Frdric (61) Patent of Addition to 3)TETARD Elodie :NA **Application Number** 4)RAHMOUNI Kamal :NA Filing Date 5)GOEURIOT Dominique (62) Divisional to Application 6)BENDJERIOU Baroudi :NA Number 7)TAKENOUTI Hisasi :NA Filing Date

## (57) Abstract:

The prsent invention relates to a proton-conductive electrochemical cell (10), comprising an electrolytic membrane (13) made of a ceramic and an lectrode (11, 12) made of a ceramet, said electrochemical cell (10) being obtained directly by a method of co-sintering a ceramic layer, capable of forming the electrolytic membrane (13), and a cermet layer, capable of forming the lectrode (11, 12), in a sintering tool at a sintering temprature of the ceramic that makes it possible to render said ceramic layer, capable of forming the electrolyte (13), gas-tight, wherein said cell (10) is characterised in that said cermet consists of the mixture of a ceramic and an electronically conductive passivatable alloy including at least 40 mol % chromium capable of forming a passive layer, the nature and the chromium content of said passivatable alloy enabling said electrochemical cell to be co-sintered with a membrane densification of more than 90% without melting said alloy.

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

(21) Application No.3806/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: CLEANSING COMPOSITIONS WITH POLYURETHANE 34

(51) International :A61K8/87,A61Q19/10,A61Q17/00 classification

(31) Priority Document No :NA

(32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/US2011/065022

No :15/12/2011

Filing Date :WO 2013/089720

(87) International Publication No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) COLGATE PALMOLIVE COMPANY

Address of Applicant :300 Park Avenue New York New York

10022 U.S.A.

(72)Name of Inventor:

1)HOURIGAN Regina

2)MATTAI Jairajh

3)MASTERS James

(57) Abstract:

A cleansing composition comprising a cleansing effective amount of surfactant and polyurethane-34. The polyurethane-34 can deposit on skin during cleansing and form a barrier that reduces bacterial attachment to skin.

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

(21) Application No.3807/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: VOLUMETRIC PRESSURE EXCHANGER FOR A SEAWATER DESALINATION PLANT AND **DESALINATION PLANT**

(51) International :F04B9/117,F04F13/00,B01D61/06 classification

:NA

(31) Priority Document No :1159647 :25/10/2011

(32) Priority Date (33) Name of priority country: France

(86) International Application :PCT/IB2012/055750

No :19/10/2012 Filing Date

(87) International Publication

:WO 2013/061229

(61) Patent of Addition to :NA **Application Number** 

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)ARKLING LIMITED

Address of Applicant :206 Neptune House Marina Bay PO

Box 268 Gibraltar (72)Name of Inventor: 1)GIRAUD Yves

## (57) Abstract:

Volumetric pressure exchanger comprising at least one unit for pressure exchange with a hollow cylindrical body a piston sliding in said body said piston comprising a piston crown separating the inside of said cylindrical body into a downstream chamber and an upstream chamber said piston comprising a rod arranged on the downstream chamber side and passing through said downstream chamber said downstream chamber being equipped with a device for admitting and delivering water for treatment said upstream chamber being equipped with a three way rotary slide valve said rotary slide being rotated by motorized drive means said valve comprising a pressurized liquid supply orifice a discharge orifice for said liquid and an opening communicating with said upstream chamber.

No. of Pages: 16 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR PRODUCING SUBSTITUTED 5 FLUORO 1H PYRAZOLOPYRIDINES

	(51) International	:C07D471/04,A61K31/506,A61P9/00	(71)Name of Applicant:
	classification	.11100700 5	1)BAYER PHARMA AKTIENGESELLSCHAFT
	, ,		Address of Applicant :M <sup>1</sup> / <sub>4</sub> llerstr. 178 13353 Berlin Germany
(	(32) Priority Date	:25/11/2011	2)BAYER INTELLECTUAL PROPERTY GMBH
(	(33) Name of priority	:EPO	(72)Name of Inventor:
(	country	.EFO	1)FEY Peter
(	(86) International	.DCT/ED2012/072276	
	Application No	:PCT/EP2012/073276	
	Filing Date	:21/11/2012	
(	(87) International	WO 2012/07/1/0	
]	Publication No	:WO 2013/076168	
(	(61) Patent of Addition to	.NT A	
	Application Number	:NA	
-	Filing Date	:NA	
(	(62) Divisional to	NA	
	Application Number	:NA	
	Filing Data	:NA	

## (57) Abstract:

Filing Date

The present application relates to a novel and efficient method for producing novel substituted 5-fluoro-lHpyrazolopyridines of the formula (VI) which are suitable as an intermediate for producing medicaments and for producing medicaments for the treatment and/or Prophylaxis of cardiovascular disorders. In particular, the 5-fluoro-lH-pyrazolopyridines of the formula (VI) are suitable for producing the Compound of the formula (I) which serves for producing medicaments, for producing medicaments for the treatment and/or Prophylaxis of cardiovascular disorders.

No. of Pages: 84 No. of Claims: 26

(21) Application No.3810/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

:NA

:NA

:NA

(43) Publication Date: 13/02/2015

# (54) Title of the invention: USE OF SEMAPHORIN 4D BINDING MOLECULES FOR MODULATION OF BLOOD BRAIN BARRIER PERMEABILITY

(51) International (71)Name of Applicant: :A61P25/00,A61K38/00,A61K39/395 classification 1)VACCINEX INC. (31) Priority Document No :61/545,809 Address of Applicant :1895 Mt. Hope Avenue Rochester New :11/10/2011 (32) Priority Date York 14620 U.S.A. (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)SMITH Ernest S. (86) International 2)ZAUDERER Maurice :PCT/US2012/059757 Application No :11/10/2012 Filing Date (87) International :WO 2013/055922 Publication No (61) Patent of Addition to :NA **Application Number** 

## (57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

Provided herein are methods for decreasing blood brain barrier permeability in a subject with neuroinflammatory disorder comprising administering to the subject an effective amount of an isolated binding molecule which specifically binds to semaphorin-4D (SEMA4D) or to its high affinity Plexin B1 receptor.

No. of Pages: 88 No. of Claims: 20

(21) Application No.3811/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: MAKING EPOXIDIZED ESTERS FROM EPOXIDIZED NATURAL FATS AND OILS

(51) International

:C07D303/42,C07D493/04,C08K5/1515

classification

(31) Priority Document

:61/548,757

(32) Priority Date :19/10/2011 (33) Name of priority

country

:U.S.A.

(86) International :PCT/US2012/060497 Application No

:17/10/2012 Filing Date

(87) International

:WO 2013/059238 Publication No

:NA

:NA

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to

Application Number Filing Date

(71)Name of Applicant:

1)ARCHER DANIELS MIDLAND COMPANY

Address of Applicant :4666 Faries Parkway Decatur Illinois

62526 U.S.A.

(72)Name of Inventor:

1)HAGBERG Erik

2)HOWARD Stephen J.

3)POPPE George

## (57) Abstract:

Processes are described for making epoxidized fatty acid esters from epoxidized natural fats and oils wherein low moisture fats and oils are identified and selected or made and used in a transesterification process. The products undergo phase separation and reduced molar excesses of alcohol may be employed compared to processes not employing a low moisture feedstock.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR POSITIONING GLASS SHEETS FOR FORMING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C03B35/16 :13/274827 :17/10/2011 :U.S.A. :PCT/US2012/058844 :05/10/2012 :WO 2013/059000 :NA :NA :NA	(71)Name of Applicant: 1)GLASSTECH INC. Address of Applicant:995 Fourth Street Ampoint Industrial Park Perrysburg Ohio 43551 U.S.A. (72)Name of Inventor: 1)NITSCHKE David B. 2)NITSCHKE Dean M. 3)LECHNER Daniel P.
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## (57) Abstract:

A method and apparatus (54) for positioning glass sheets for forming includes positioners (55) that are moved slower than the speed of glass sheet conveyance to provide rotational adjustment of a glass sheet into alignment above a forming mold (52). The forming mold (52) is moved upwardly for the forming in a pressing manner against a downwardly facing upper mold (58). Both preformed and flat glass sheets can be positioned by different embodiments of the apparatus.

No. of Pages: 26 No. of Claims: 18

(21) Application No.3813/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: ANTAGONISTS OF IL17C FOR THE TREATMENT OF INFLAMMATORY DISORDERS

(51) International :C07K16/24,A61P19/02,A61P29/00

classification (31) Priority Document No

:11185763.7 (32) Priority Date :19/10/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/070736

No :19/10/2012

Filing Date (87) International Publication :WO 2013/057241

No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant: 1)MORPHOSYS AG

Address of Applicant: Lena Christ Strasse 48 82152

Martinsried/Planegg Germany 2) GALAPAGOS NV

(72)Name of Inventor: 1)BLTMANN Andreas

2)MHLBACHER Robert 3)GARCIA Teresa

4)BRYS Reginald Christophe Xavier

5)NELLES Luc 6)CONRATH Katja

The present invention provides antagonists of IL17C for use in the treatment of an inflammatory disorder.

No. of Pages: 127 No. of Claims: 8

(21) Application No.3814/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: INFLUENZA VIRUS LIKE PARTICLES (VLPS) COMPRISING HEMAGGLUTININ PRODUCED NICOTIANA TABACUM

(51) International :A61K39/145,C12N7/04,A61P31/16

classification

:11188872.3 (31) Priority Document No (32) Priority Date :11/11/2011

(33) Name of priority country: EPO

(86) International Application: PCT/EP2012/072417 No

:12/11/2012 Filing Date

(87) International Publication :WO 2013/068593

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)PHILIP MORRIS PRODUCTS S.A.

Address of Applicant: Quai Jeanrenaud 3 CH 2000 Neuchatel

Switzerland

(72)Name of Inventor: 1)CABRERA Rosa 2)OISHI Karen 3)PEREZ Laurent

4)TALAMO Fabio

# (57) Abstract:

The present invention relates to a composition or composition of bilayer lipid vesicles displaying an influenza virus antigen and carbohydrate and the production thereof in Nicotiana tabacum plants. Also disclosed herein are pharmaceutical compositions comprising said lipid vesicies for use in the treatment or prophylaxis of viral infections.

No. of Pages: 126 No. of Claims: 24

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SENSOR FOR MEASURING MECHANICAL STRESS WHICH CAN BE ADAPTED TO CABLES WITH DIFFERENT GAUGES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International classification :P201131633 :11/10/2011 :Spain :PCT/ES2012/000023 :PCT/ES2012/000023 :O1/02/2012 :WO 2013/053960 :NA :NA :NA :NA :NA :NA  (71) Name of Applicant :  1) DINACELL ELECTRONICA SI  Address of Applicant :Calis Torno n° 8. Pol Ind. Santa Ana E  28529 Rivas Vadamadrid Spain (72) Name of Inventor :  1) GONZALEZ GALLEGOS Rafael  (72) Name of Inventor :  1) GONZALEZ GALLEGOS Rafael	<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:P201131633 :11/10/2011 :Spain :PCT/ES2012/000023 :01/02/2012 :WO 2013/053960 :NA :NA	1)DINACELL ELECTRONICA SI Address of Applicant :Calis Torno n° 8. Pol Ind. Santa Ana E 28529 Rivas Vadamadrid Spain (72)Name of Inventor:
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#### (57) Abstract:

The invention relates to a sensor for measuring mechanical stress which can be adapted to cables with different gauges made up of a body (2) with a machined area (3) for a strain gauge and three pivots an upper (4) a lower (5) and a central (6) pivot which are distributed on the front surface (2a) the upper pivot (4) being stationary and the lower pivot (5) being retractable which has a central pivot (6) attached to the body (2) via a movable attachment which in a mechanical manner enables horizontal movement thereof towards either side of the body (2) adapting to the gauge of the cable. The movable attachment is an attachment plate (9) to which the central pivot (6) is connected by a thread inserted on a screw (10) provided at the centre of the body (2) in a recess (11) having front and rear openings. The screw (10) passes through the body (2) from side to side in the recess (11) and is attached by a nut (12).

No. of Pages: 8 No. of Claims: 4

(21) Application No.3642/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: PROPHYLACTIC AND POST ACUTE USE OF PROGESTERONE TO BETTER OUTCOMES ASSOCIATED WITH CONCUSSION

(51) International :A61K31/57,A61K31/56,A61K9/08

classification

(31) Priority Document No :61/544502 (32) Priority Date :07/10/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/059030

No :05/10/2012

Filing Date

(87) International Publication :WO 2013/052849

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)FLORIDA STATE UNIVERSITY RESEARCH

**FOUNDATION** 

Address of Applicant :2010 Levy Avenue Suite 282

Tallahassee Florida 32306 2763 U.S.A.

(72)Name of Inventor:

1)VANLANDINGHAM Jacob W.

2)SUBER John

3)LEWANDOWSKI Michael

#### (57) Abstract:

Compositions and methods for treating traumatic brain injury (TBI) and mild traumatic brain injury (mTBI) using progesterone and progesterone are described.

No. of Pages: 53 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :06/05/2014

(21) Application No.3643/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : COMPOSITION AND METHODS FOR IMPROVING ORGANOLEPTIC PROPERTIES OF FOOD PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:05/10/2012 :WO 2013/049928 :NA :NA :NA	(71)Name of Applicant:  1)FRUITSYMBIOSE INC.  Address of Applicant: 1221 Franşois Normand Suite 100 St Nicolas Qubec G7A 4X6 Canada (72)Name of Inventor:  1)GIRARD Genevi ve
Filing Date	:NA :NA	

## (57) Abstract:

Described herein is an edible coating for preserving at least one organoleptic property of food products in which the coating comprises a polysaccharide solution and a cross linking agent solution.

No. of Pages: 49 No. of Claims: 41

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

(21) Application No.3644/DELNP/2014 A

# (54) Title of the invention: FOUNDATION FOR A WIND TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E02D27/42 :10 2011 085 947.0 :08/11/2011 :Germany :PCT/EP2012/072035 :07/11/2012 :WO 2013/068403 :NA :NA :NA	(71)Name of Applicant:  1)WOBBEN PROPERTIES GMBH  Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor:  1)COORDES Thomas
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#### (57) Abstract:

The invention relates to a tower base section (1) for arrangement and fixation on a foundation (18) and for erecting a tower for a wind turbine (100) thereon comprising an exterior lower annular flange (6) for placement on the foundation (18) and for fixation to the foundation (8) an inner upper annular flange (8) for placement and fixation of a tower segment (32) with a corresponding lower tower flange (30) thereon an inner lower support flange (10) for placement on the foundation (18) and inner support elements (22) in particular support braces (22) for supporting the upper annular flange (8) on the lower support flange (10).

No. of Pages: 26 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COOLING DEVICE COMPRISING DRAINAGE BORES FOR A METERING VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01N3/20,F02M53/04 :10 2011 087 085.7 :25/11/2011 :Germany :PCT/EP2012/073166 :21/11/2012 :WO 2013/076112 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)KIONTKE Martin  2)POHL Stephan  3)KNITTEL Achim
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#### (57) Abstract:

The invention relates to a device for cooling a metering module, in particular a module for metering an operating agent/auxiliary agent such as a reducing agent into the exhaust gas System of an internal combustion engine. A cooling device through which a cooling fluid flows is associated with the metering module (10). An outer surface (34) of the metering module (10) is enclosed by a cooling member (18, 20, 22) through which the cooling fluid flows. The multi-part cooling member (18, 20, 22) comprises drainage openings (30) for discharging (78) the cooling fluid/for discharging liquids in order to prevent said fluid/liquids from accumulating on the bottom of the cooling member (18, 20, 22).

No. of Pages: 22 No. of Claims: 15

(21) Application No.3821/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: BEVERAGE

(51) International classification :A23L1/185,A23L2/02,A23L2/38 (71)Name of Applicant:

(31) Priority Document No :1118169.0 (32) Priority Date :21/10/2011

(33) Name of priority country :U.K.

(86) International Application :PCT/GB2012/052620

:22/10/2012 Filing Date

(87) International Publication :WO 2013/057520

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SOFT BREW LICENSING LIMITED

Address of Applicant: Lanmor House 370 386 High Road

Wembley Middlesex HA9 6AX U.K.

(72)Name of Inventor:

1)JOSHI Ketan

2)WATSON Gregory 3)PORTELLI Neville

## (57) Abstract:

There is provided a non-fermented carbonated beverage comprising: an aqueous fruit or vegetable sugar-containing extract, a flavouring agent and a foam stabiliser, wherein, if the aqueous fruit or vegetable sugar-containing extract is produced from malted grain, the extract is not a lager wort. Also provided is a non-fermented concentrated beverage formulation comprising a concentrated aqueous fruit or vegetable sugar-containing extract; a flavouring agent; and a foam stabiliser, wherein the concentrated beverage formulation can be diluted with water and carbonated to form a non-fermented carbonated beverage.

No. of Pages: 26 No. of Claims: 52

(21) Application No.3822/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : USE OF ANTI CONNEXIN AGENTS FOR ENHANCING THE THERAPEUTIC EFFECT OF ACETYLCHOLINESTERASE INHIBITORS

(51) International classification :A61K31/19,A61K31/445,A61P25/28

(31) Priority Document No :11306407.5 (32) Priority Date :31/10/2011

(33) Name of priority :EPO

country (86) International

Application No :PCT/EP2012/071631

Filing Date

(87) International Publication No :WO 2013/064579

(61) Patent of Addition to Application Number :NA Filing Date :NA

Filing Date
(62) Divisional to
Application Number
Filing Date

SNA
:NA

(71)Name of Applicant:

1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

Address of Applicant :25 rue Leblanc Btiment Le Ponant D F

75015 Paris France (72)Name of Inventor: 1)MOUTHON Franck

2)CHARVERIAT Mathieu

# (57) Abstract:

This invention relates to improvements in therapeutic neurological and neuropsychic treatments using acetylcholinesterase inhibitors. More specifically the invention enables the effects of the reversible acetylcholinesterase inhibitor donepezil to be potentiated by certain molecules referred to here as connexin blocking agents. Said connexin blocking agent is preferably meclofenamic acid.

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

(21) Application No.3712/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: FLEXIBLE COMPOSITE MATERIAL AND USE HEREOF PROCESS FOR MAKING A FLEXIBLE COMPOSITE MATERIAL

(51) International classification :B32B5/02,F41H1/02,F41H5/04 (71)Name of Applicant : (31) Priority Document No :11194374.2 (32) Priority Date :19/12/2011 (33) Name of priority country :EPO

(86) International Application No :PCT/EP2012/076013 Filing Date :18/12/2012

(87) International Publication No: WO 2013/092626

:NA

(61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number

Netherlands (72)Name of Inventor: 1)CLERICI Cyril 2)VAN DER WERFF Harm 3)CORDOVA David

Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen

1)DSM IP ASSETS B.V.

(57) Abstract:

Filing Date

The invention relates to a flexible composite material. This material comprises at least 2 layers comprising high strength fibers said at least 2 layers comprise consolidated elements and unconsolidated elements the unconsolidated elements being in contact with the consolidated elements. The flexible composite material shows a better anti ballistic performance compared to materials known so far.

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

(19) INDIA

(22) Date of filing of Application :07/05/2014

(21) Application No.3714/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: CONTACT LENS CLEANING SYSTEMS

(51) International classification	:A61L12/00	(71)Name of Applicant :
(31) Priority Document No	:61/546284	1)YAACOBI Yoseph
(32) Priority Date	:12/10/2011	Address of Applicant :6805 Spring Valley Way Forth Worth
(33) Name of priority country	:U.S.A.	TX 76132 U.S.A.
(86) International Application No	:PCT/US2012/060119	(72)Name of Inventor:
Filing Date	:12/10/2012	1)YAACOBI Yoseph
(87) International Publication No	:WO 2013/056165	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		

#### (57) Abstract:

A cleaning system configured to use a hydrogen peroxide solution to clean contact lenses. The cleaning system includes a reservoir to hold the cleaning solution and a complex base coupled to the reservoir to insure a hermetically closed reservoir environment. The complex base is separated into at least a first and a second segment. A lens holder assembly holds the lenses within the solution and is coupled to the complex base in the first segment. A motor is located in the second segment of the complex base to selectively introduce a catalyst to the cleaning solution. The cleaning system has additional features that permit the system to allow for the storage of the contact lenses by converting a neutralized cleaning solution into a storage solution to prevent recontamination.

No. of Pages: 35 No. of Claims: 20

(21) Application No.3715/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: A PRODUCTION APPARATUS AND A METHOD FOR MANUFACTURING ELONGATED PRODUCTS SUCH AS WIND TURBINE BLADES

(51) International

:B29C33/26,B29C70/38,B29L31/08

classification

:61/552004

(31) Priority Document No (32) Priority Date

:27/10/2011

(33) Name of priority country: U.S.A. (86) International Application :PCT/DK2012/050395

No

:26/10/2012 Filing Date

(87) International Publication :WO 2013/060336

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1) VESTAS WIND SYSTEMS A/S

Address of Applicant : Hedeager 44 DK 8200 Aarhus N

Denmark

(72)Name of Inventor:

1)GARCIA TAPIA Raul

2)DAVEY Chris

## (57) Abstract:

An apparatus comprising elongated first and second moulds (2,3) extending in parallel, a drive mechanism (4) to move said second mould in relation to said first mould, from a first position to a second position so as to form a mould assembly, and a transport system comprising a movable part (5) movable along the first mould and/or the second mould and supported by an elongated intermediate support member (7) located between the moulds, the intermediate support member moving from a support position in which it supports the movable part, to a non-interference position in which interference with the moulds and/or the mould drive mechanism is avoided when said second mould is moved from the first position to the second position, the transport system comprising a securing device (71, 84, 83, 83a, 83b, 83 1, 83e) for locking the intermediate support member in the support position.

No. of Pages: 26 No. of Claims: 14

(21) Application No.3826/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: IMPROVED PROCESS FOR THE MANUFACTURE OF ALCOHOLIC BEVERAGES AND PRODUCTS PRODUCED BY SUCH PROCESS

(51) International classification :C12C5/00,C12C11/00,C12G1/02 (71)Name of Applicant:

(31) Priority Document No :2011/08289 (32) Priority Date :11/11/2011 (33) Name of priority country :South Africa

(86) International Application :PCT/IB2012/056352

:12/11/2012 Filing Date

(87) International Publication :WO 2013/068999

No (61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)RED DAWN IP HOLDINGS (PTY) LTD.

Address of Applicant : P.O. Box 12679 Die Boord 7613

Stellenbosch South Africa (72)Name of Inventor: 1)STRYDOM Trevor

2)VAN NIEKERK Michael

3)GHAI Oliver

#### (57) Abstract:

According to a first aspect of the invention there is provided an improved process for the manufacture of an alcoholic beverage including the steps of providing a sugar source subjecting the sugar source to at least one instance of fermentation and simultaneously adding plant material of the family Fabaceae during the step of fermentation thereby potentiating extraction of extractable compounds from the plant material useful in imparting a unique flavour and aroma to the alcoholic beverage. The alcoholic beverage may be a wine beer or cider beverage.

No. of Pages: 53 No. of Claims: 30

(21) Application No.3827/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: MEDICINE FOR TREATMENT AND/OR IMPROVEMENT OF SEPSIS

(51) International :A61K38/00,A61P31/04,C12N15/09 classification

(31) Priority Document No :61/559864 (32) Priority Date :15/11/2011 (33) Name of priority country: U.S.A.

(86) International Application: PCT/JP2012/079449

:14/11/2012 Filing Date

(87) International Publication :WO 2013/073545

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA :NA

**Application Number** Filing Date

(71)Name of Applicant:

1) ASAHI KASEI PHARMA CORPORATION

Address of Applicant: 1 105 Kanda Jinbocho Chiyoda ku

Tokyo 1018101 Japan (72)Name of Inventor: 1)TSURUTA Kazuhisa 2)AOKI Yoshikazu 3)OSAWA Yutaka

4)KAUL Inder

(57) Abstract:

A medicine for the effective treatment and/or improvement of sepsis in patients suffering from severe sepsis who have damage to one or more organs and the International Normalized Ratio (INR) value of a blood sample of whom is higher than 1.4 comprising thrombomodulin as active ingredient.

No. of Pages: 65 No. of Claims: 9

(19) INDIA

(21) Application No.3671/DELNP/2014 A

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ALIQUOTTER SYSTEM AND WORKFLOW

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N35/04 :61/556667 :07/11/2011 :U.S.A. :PCT/US2012/063914 :07/11/2012 :WO 2013/070740 :NA :NA :NA	(71)Name of Applicant:  1)BECKMAN COULTER INC.  Address of Applicant:250 S. Kraemer Boulevard Brea California 92821 U.S.A. (72)Name of Inventor:  1)MULLER Martin 2)JOHNS Charles W. 3)EBERHARDT Michael
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## (57) Abstract:

A method is disclosed. The method includes aspirating an aliquot volume of a sample in a primary sample container located in an aspiration position in an aliquotter module and dispensing the aliquot volume of the sample in a secondary sample container located in a dispensing position in the aliquotter module. The method also includes the step of causing the secondary sample container to leave the aliquotter module before the primary sample container.

No. of Pages: 54 No. of Claims: 27

(21) Application No.3830/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR GENERATION OF ACTIVE SPECIES IN A MEDIA BY UV RADIATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/561401 :18/11/2011 :U.S.A. :PCT/US2012/064756 :13/11/2012 :WO 2013/074481 :NA :NA	(71)Name of Applicant:  1)GOJO INDUSTRIES INC.  Address of Applicant: One GOJO Plaza Suite 500 Akron Ohio 44311 U.S.A.  (72)Name of Inventor:  1)GRAY Robert L
Filing Date	:NA :NA	

# (57) Abstract:

A system for sanitizing an article includes an ultraviolet light emitting a frequency of light anywhere between 122-230 nm projected toward the article. A medium dispersed about the article and intersecting with the projected ultraviolet light is also provided. The medium interacts with the frequency of light to generate reactive oxygen species that eliminate microbes on the article. Specific light frequencies may be used in combination with different mediums.

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

(21) Application No.3831/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A PROCESS FOR THE MANUFACTURE OF CHIRAL CATALYSTS AND THEIR SALTS

(51) International classification	:C07C315/06,C07C321/16,C07D295/00	(71)Name of Applicant: 1)SCINOPHARM TAIWAN LTD.
(31) Priority Document No	:61/565449	Address of Applicant :No.1 Nan Ke 8th Road Southern Taiwan Science Park Shan Hua Tainan 74144 Taiwan
(32) Priority Date	:30/11/2011	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)WU Ping Yu
(86) International Application No Filing Date	:PCT/IB2012/002910 :29/11/2012	
(87) International Publication No	:WO 2013/080049	
(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 efficient and economical methods for synthesis of (-)-2-exo-morpholinoisoborne-10- thiol, its enantiomer, and related chiral catalysts. Novel compounds and methods of asymmetric synthesis are also disclosed.

No. of Pages: 50 No. of Claims: 21

(21) Application No.3832/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention : PREVENTING FLOW OF UNDESIRED FLUID THROUGH A VARIABLE FLOW RESISTANCE SYSTEM IN A WELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E21B43/12,E21B34/06 :NA :NA :NA :NA :PCT/US2011/060606 :14/11/2011 :WO 2013/074069 :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant: 10200 Bellaire Boulevard Houston TX 77072 U.S.A. (72)Name of Inventor: 1)GRECI Stephen M.
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#### (57) Abstract:

A flow control system for use with a subterranean well can include a flow chamber through which a fluid composition flows and a closure device which is biased toward a closed position in which the closure device prevents flow through the flow chamber. The closure device can be displaced to the closed position in response to an increase in a ratio of undesired fluid to desired fluid in the fluid composition. A structure can prevent the closure device from being displaced to the closed position. The fluid composition can flow through the structure to an outlet of the flow chamber.

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

(21) Application No.3833/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LOOK AHEAD OF THE BIT APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant:10200 Bellaire Blvd. Houston TX 77072 U.S.A. (72)Name of Inventor: 1)DONDERICI Burkay 2)BITTAR Michael S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various embodiments include apparatus and methods of operation with respect to well logging. Apparatus and methods can include a tool having an arrangement of spaced apart transmitter antennas and receiver antennas in transmitter receiver antenna pairs to make shallow measurements and deep measurements. The signals acquired from the shallow measurements and deep measurements can be processed to provide a look ahead signal in a drilling operation. The transmitter and receiver antennas can be oriented to cancel or substantially cancel out signals from layers between the transmitter antenna and the receiver antenna in response to the transmitter being operated downhole in a well. Additional apparatus systems and methods are disclosed.

No. of Pages: 67 No. of Claims: 31

(21) Application No.3834/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : USE OF AMYLASE ENZYME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A23L1/0522,A23L1/318,A23L1/325 :201110442515.3 :26/12/2011	(71)Name of Applicant:  1)DUPONT NUTRITION BIOSCIENCES APS  Address of Applicant: Langebrogade 1 Postboks 17 DK 1001  Copenhagen K. Denmark
(33) Name of priority country	:China	(72)Name of Inventor : 1)LIU Yandong
(86) International Application No Filing Date	:PCT/EP2012/076969 :27/12/2012	2)GUO Yolanda
(87) International Publication No	:WO 2013/098338	
(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 an exoamylase in retarding deterioration of mouthfeel and texture flexibility (softness) in food products comprising animal protein and a starch component.

No. of Pages: 41 No. of Claims: 19

(21) Application No.3808/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING 7-(IH-IMIDAZOL -4-YLMETHYL)-5,6,7,8-TETRAHYDROQUINOLINE

(51) International classification	:A61K31/4709,A61P17/00	(71)Name of Applicant:
(31) Priority Document No	:61/558104	1)ALLERGAN INC.
(32) Priority Date	:10/11/2011	Address of Applicant :2525 Dupont Drive Irvine California
(33) Name of priority country	:U.S.A.	92612 U.S.A.
(86) International Application No	:PCT/US2012/064075	(72)Name of Inventor:
Filing Date	:08/11/2012	1)DIBAS Mohammed I.
(87) International Publication No	:WO 2013/070861	2)HSIA Edward C.
(61) Patent of Addition to Application	:NA	3)DONELLO John E.
Number	:NA	4)GIL Daniel W.
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a method for treating skin diseases and skin conditions in a patient in need thereof which comprises of administering a therapeutically effective amount of a pharmaceutical composition comprising a therapeutically effective amount of 7-(lH-Imidazol-4-ylmethyl)- 5,6,7,8-tetrahydro-quinoline, or its individual enantiomers or the tautomers thereof, or a pharmaceutically acceptable salt thereof.

No. of Pages: 32 No. of Claims: 15

(21) Application No.3809/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED DUAL MASS FLYWHEEL

(51) International classification :F16F15/133,F16F15/137,F16F15/139

(31) Priority Document No :TO2011A000958 (32) Priority Date :21/10/2011

(33) Name of priority

country :Italy

(86) International :PCT/IB2012/055809

Application No
Filing Date

Filing Date

(87) International

Publication No :WO 2013/057728

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant: 1)DAYCO EUROPE S.R.L.

Address of Applicant :Via Papa Leone XIII 45 Frazione Chieti

Scalo Chieti Italy
(72)Name of Inventor:
1)CARICCIA Gianluca
2)GIANSETTO Giacomo
3)MONTANI Andrea

4)GUALA Andrea

(57) Abstract:

The dual mass flywheel comprises a spring assembly (4; 104; 112; 128; 129), if necessary, with two stages of which one can include a spiral spring. Furthermore, the dual mass flywheel comprises a friction damping system (111) that applies torque independently of the rotational speed of the flywheel.

No. of Pages: 31 No. of Claims: 42

(19) INDIA

(21) Application No.3840/DELNP/2014 A

(22) Date of filing of Application :12/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: A METHOD AND SYSTEM FOR PROVIDING AND MANAGING INFORMATION OF PREFABRICATED CONSTRUCTION COMPONENTS BETWEEN MANUFACTURERS AND ARCHITECTS

(51) International classification :E04B1/343,G06F17
(31) Priority Document No :PI2011005283
(32) Priority Date :02/11/2011
(33) Name of priority country :Malaysia

(86) International Application No :PCT/MY2012/000233 Filing Date :16/08/2012

(87) International Publication No :WO 2013/066148

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
:NA
:NA

:E04B1/343,G06F17/30 (71)Name of Applicant :

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Address of Applicant: 43400 UPM Serdang Selangor Malaysia

(72)Name of Inventor: 1)RAHINAH Ibrahim 2)RUSLI Abdullah 3)MOHD Saleh Jaafar 4)MAZIYAR Mamdooh

#### (57) Abstract:

The present invention discloses a method (100) for providing and managing information of prefabricated construction components between manufacturers and architects to be used into architectural modular design processes. The manufacturer s product information relating to various prefabricated construction components are aggregated (101). A unique code is assigned to each prefabricated construction component (103) by synthesising product information of the prefabricated construction component into coding syntaxes and stored into a database (105). the product information in the format of the unique codes are then distributed on demand of architects for their architectural modular designs processes (107).

No. of Pages: 28 No. of Claims: 22

(21) Application No.3844/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD AND ATTACHMENT ELEMENT FOR MOUNTING A VEHICLE SEAT

(51) International classification :B60N2/015,B60N2/68,F16B5/02 (71)Name of Applicant: :10 2011 086 504.7

(31) Priority Document No (32) Priority Date :16/11/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/067951

:13/09/2012 Filing Date

(87) International Publication :WO 2013/072090

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)C. ROB. HAMMERSTEIN GMBH & CO. KG

Address of Applicant: Merscheider Strae 167 42699 Solingen

Germany

(72)Name of Inventor: 1)MILDT Helmut Richard

2)KLIMARS Dieter

## (57) Abstract:

The invention relates to an attachment element (7) for mounting a vehicle seat (1) on a vehicle structure (2). According to the invention the attachment element (7) comprises a sleeve (9) at one end of which a lever element (10) is arranged and an element (13) which is embodied essentially in the manner of a hollow cylinder and which comprises at least two wing like extensions (14) lying opposite one another and which at least partially surrounds the sleeve (9). Furthermore the invention relates to a method for mounting a vehicle seat (1) on a vehicle structure (2) by means of at least one fastening element (7).

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

(12) TATENT ATTLICATION TOBLICATION

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention : METHOD AND SYSTEM FOR REGULATING POWER IN THE EVENT OF AT LEAST ONE AIRCRAFT ENGINE FAILURE

(21) Application No.3845/DELNP/2014 A

(51) International classification :B64D41/00 (71)Name of Applicant: (31) Priority Document No 1)TURBOMECA :1160785 :25/11/2011 (32) Priority Date Address of Applicant :BP 2 F 64510 Bordes France (33) Name of priority country (72)Name of Inventor: :France (86) International Application No 1)PRESSE Jean Michel :PCT/FR2012/052715 Filing Date :23/11/2012 (87) International Publication No :WO 2013/076434 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

(19) INDIA

With a view to optimizing the resources needed to continue the flight upon the loss of at least one main engine, the invention seeks to unburden the propulsion system that has remained operative of all or some of the non-propulsive energy tappings through a continuously-operating additional gnration of non-propulsive power. More specifically the method involves, using the power production unit GPP, constantly in opration during flight and taking over some (PGA) of the nominal total non-propulsive power (PTA) of the aircraft, to supply, almost instantaneously, increased non-propulsive powers (Psu, PMU, PIU) according to at least three respective emergency settings (RS, RM, RI) upon said engine failure. The GPP control and monitoring fonction assesses the time elapsed for each emergency setting (RS, RM, RI), and informs the data processing unit of this time with an alarm being emitted if the operating times (Xm ax , Y  $ma^3$ /4 Zm ax) allocated to each emergency setting (RS, RM, RI) are exceeded, and the emergency fonction adjusts the aircrafts non-propulsive power tappings between the main engines and the unit GPP either automatically or on the orders of the pilot.

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

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : CASTABLE REFRACTORY COMPOSITIONS, THEIR USE IN THE FORMATION OF REFRACTORY LININGS, AND METHODS FOR PRODUCING SUCH COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Calderys France    Address of Applicant: 19 place de la Rsistance, 92446, Issyles-Moulineaux, France (72)Name of Inventor:  1)Indra Nath Chakraborty
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)Saumen Sinha 3)Rajesh Tilakchand Bisen

#### (57) Abstract:

The present invention relates to castable refractory compositions based on magnesia aggregates. The compositions according to the invention consist of a plurality of dry components and a plurality of wet components, said castable refractory composition comprising, based on the total weight of the castable refractory composition, between 50 wt. % and 99 wt. % of a magnesia aggregate material; between 0.1 wt. % and 10 wt. O/O carbonaceous material; between 0.1 wt. % and 5 wt. % antioxidant; and a nonaqueous binder. The compositions according to the invention comprise no more than 2 wt.-% water; the fixed carbon in the composition is no more than about 10 wt.-%, and the antioxidant is selected from one or more carbide materials, nitride materials, boride materials, metals or metal alloys, or from combinations thereof. Also part of the present invention is the use of the compositions in casting, vibration casting, spraycasting, gunning, self-flowing, ramming, or shotcrete processes, and their method of formation.

No. of Pages: 28 No. of Claims: 18

(21) Application No.3848/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD AND DEVICE FOR BLOCKING SPECTACLE LENSES

(51) International classification :B24B13/005,B24B47/22 (71)Name of Applicant :

(31) Priority Document No :102011119157.0 (32) Priority Date :23/11/2011

(33) Name of priority country :Germany

:PCT/EP2012/004849 (86) International Application No Filing Date :23/11/2012 (87) International Publication No :WO 2013/075834

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date :NA

1)SCHNEIDER GMBH & CO. KG

Address of Applicant :Biegenstrasse 8 12 35112 Fronhausen

Germany

(72)Name of Inventor: 1)SCHNEIDER Gunther

2)B-RNER UIf

#### (57) Abstract:

The invention relates to a blocking device and a method for blocking spectacle lenses on block pieces with a main body with a block piece mount arranged on the main body for the block piece to be attached to the spectacle lens and with a positioning unit arranged on the main body for aligning and holding the spectacle lens to be blocked wherein the block piece mount and the positioning unit which can be fixed on the spectacle lens by means of activation can be moved relative to one another via a lifting axis wherein the approaching movement between the positioning unit and the block piece mount in the direction of the lifting axis is limited in at least two positions by an adjustable stop means.

No. of Pages: 36 No. of Claims: 20

(21) Application No.3849/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE AND METHOD FOR ADJUSTING A SEAT POSITION

(51) International classification :B60N2/00,B60N2/02,G01S13/88 (71)Name of Applicant: (31) Priority Document No :10 2011 119 186.4 1)JOHNSON CONTROLS GMBH (32) Priority Date Address of Applicant: Industriestrae 20 30 51399 Burscheid :23/11/2011 (33) Name of priority country :Germany Germany (86) International Application (72)Name of Inventor: :PCT/EP2012/071926 1)LANGE MAO Wei No :06/11/2012 Filing Date 2) EPPINGER Andreas (87) International Publication :WO 2013/075936 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention relates to a device (1) for adjusting a seat position (SP) of a vehicle seat (2). According to the invention the device allows for an automatic or automated adjustment of the seat position (SP) of the relevant vehicle seat (2) wherein the device (1) comprises at least one vehicle seat (2) at least one first sensor unit (5.1 to 5.n) for determining physical parameters (P) of a potential vehicle passenger located outside of the vehicle and/or at least one input means (12) and/or at least one second sensor unit (5.1 to 5.n) for determining the seat position (SP) of the vehicle seat (2) and at least one control unit (6). The invention further relates to a method for the automatic or automated adjustment of a seat position (SP) of a vehicle seat (2) by means of a device (1).

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

(21) Application No.3850/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DOUBLE RECTIFIER FOR MULTI PHASE CONTACTLESS ENERGY TRANSFER SYSTEM

(51) International classification :H02M7/06,H02M7/217,H02J17/00

(31) Priority Document No :10 2011 119 259.3

(32) Priority Date :24/11/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/070853

No :22/10/2012 Filing Date

(87) International Publication :WO 2013/075897

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
Siling Data
:NA

Filing Date

(71)Name of Applicant:

1)BOMBARDIER TRANSPORTATION GMBH

Address of Applicant : Schneberger Ufer 1, 10785 Berlin

Germany

(72)Name of Inventor:

1)TURKI Faical

(57) Abstract:

The invention relates to a secondary-side rectifier of an inductive n-phase energy transfer system, N being great than or equal to three and the energy transfer system comprising in every branch (W, V, U) a resonant circuit with at least one inductance (Ls) and at least one capacitance (Cs) each, and the secondary-side resonant circuits being magnetically couplable to primary-side resonant circuits, the secondary-side resonant circuits being connected in a star connection or in a polygonal connection and being in contact with a rectifier via phase conductors (L1-LN). The invention is characterized in that the rectifier has a series connection of N diodes (Di, Dk, ..., D) having the same forward direction, a smoothing capacitor (Cgr) being connected in parallel to the series connection and the Output voltage (UA) of the rectifier being applied to the connecting points (Ai, A2) of the smoothing capacitor (Cgr), the phase conductor (Lk) being connected to the anode of the diode (Dk) for all k = 1 to N, the terminal (Ai) being in contact with the phase conductor (Li) and the cathode of the Nth diode (DN) being in contact with the connecting point (A2).

No. of Pages: 21 No. of Claims: 16

(21) Application No.3828/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ELECTRICAL POWER DISTRIBUTION SYSTEMS SMART ELECTRICITY METERS AND METHODS OF CONTROLLING LOCAL POWER CONNECTION

:H02H3/24,H02H3/46,H02J3/14 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/629063 (32) Priority Date :14/11/2011

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/064977

Filing Date :14/11/2012

(87) International Publication No: WO 2013/074602

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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(72)Name of Inventor:

1)KING Christopher Slaboszewicz

2)JOHNSON Larsh Maur

## (57) Abstract:

An electrical power distribution system having an electricity meter connected to power lines on one side and a load on the other side the electricity meter enabling automatic disconnection and/or reconnection as determined by one or more thresholds stored in memory of the electricity meter. Electricity meters having an automatic disconnect feature are disclosed as are methods of connecting the electrical power distribution system. Other aspects are disclosed.

No. of Pages: 51 No. of Claims: 32

(21) Application No.3829/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: COATING UNIT AND METHOD FOR COATING WORKPIECES

(51) International :C25D13/22,C25D21/12,C25D17/00 classification

(31) Priority Document No :10 2011 056 496.9

(32) Priority Date :15/12/2011 (33) Name of priority country: Germany

(86) International :PCT/EP2012/074363

Application No :04/12/2012

Filing Date

(87) International Publication :WO 2013/087455 No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA

Filing Date

(71)Name of Applicant: 1)DRR SYSTEMS GMBH

Address of Applicant: Carl Benz Strasse 34 74321 Bietigheim

Bissingen Germany (72)Name of Inventor: 1)PREGENZER Alfred 2)DIETERICH Michael

# (57) Abstract:

In order to create a coating unit with a flexible and reliable operation for coating workpieces which has a dip tank into which the workpieces to be coated can be introduced a current conversion system for providing a coating current that can be fed through the dip tank for coating the workpieces and an electrode which can be arranged in the dip tank and which is electrically connected to the current conversion system the invention relates to the current conversion system comprising a current conversion unit comprising a circuit breaker and an isolating transformer wherein the circuit breaker can be connected on the input side to a supply current source and on the output side to the isolating transformer and wherein the isolating transformer can be connected on the input side to the circuit breaker and on the output side to an electrode.

No. of Pages: 31 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

:19/10/2012

# (54) Title of the invention: COSMETIC COMPOSITIONS METHOD FOR PREPARING A COSMETIC COMPOSITION COSMETIC USE OF THE COMPOSITION AND COSMETIC METHOD FOR STRAIGHTENING AND/OR SHAPING KERATINOUS MATERIALS

(51) International classification :A61K8/97,A61K8/92,A61K8/86 (71) Name of Applicant:

(31) Priority Document No :PI 1104321-0 (32) Priority Date :19/10/2011 (33) Name of priority country :Brazil

(86) International Application :PCT/BR2012/000411

No Filing Date

(87) International Publication No:WO 2013/056332

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DE ALMEIDA Guilherme Beltr&o

(21) Application No.3856/DELNP/2014 A

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2.203 80240 000 Curitiba PR Brazil

(72)Name of Inventor:

1)DA SILVA Idrozina Oliveira

## (57) Abstract:

The present invention relates to a new cosmetic product for treating keratinous materials in particular hair to the method for preparing the cosmetic product and to a cosmetic method for the care of keratinous material using these compositions.

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

(21) Application No.3857/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR DETERMINING HAND HYGIENE COMPLIANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N7/18 :61/556680 :07/11/2011 :U.S.A. :PCT/US2012/063697 :06/11/2012 :WO 2013/070596 :NA :NA :NA	(71)Name of Applicant:  1)DEB GROUP LTD.  Address of Applicant: Denby Hall Way Denby derbyshire DE5 8JZ U.K. (72)Name of Inventor:  1)ALPER Paul
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#### (57) Abstract:

A hand hygiene compliance benchmark is determined for a target institution based on observations of hand hygiene opportunities in a studied institution and relationships between the number of observed hand hygiene opportunities and characteristics of the studied institution. The benchmark for the target institution is determined based on target institution characteristics and the relationships between institution characteristics and observed hand hygiene opportunities of the studied institution. The benchmark for the target institution may be adjusted based on direct observation of hand hygiene opportunities in the target institution.

No. of Pages: 20 No. of Claims: 9

(21) Application No.3865/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: POLYMERIZABLE COMPOSITION OPTICAL ARTICLE OBTAINED THEREFROM AND METHOD FOR THE PRODUCTION OF SAID OPTICAL ARTICLE

(51) International classification: C08G18/38,G02B1/00,G02B1/10 (71) Name of Applicant:

(31) Priority Document No :MI2011A002102 (32) Priority Date :18/11/2011

(33) Name of priority country :Italy

(86) International Application :PCT/JP2012/007362

:16/11/2012 Filing Date

(87) International Publication No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number Filing Date

:WO 2013/073194

:NA

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2)FORESTIERI Roberto 3) VECCHIONE Andrea

4)BOS Willem

## (57) Abstract:

The present invention relates to a polymerizable composition comprising polyisocyanate(s) (A) polythiol(s) (B) thiol(s) (C) and catalyst(s) (D). The polyisocyanate(s) (A) is at least one bifunctional or higher functional alicyclic polyisocyanate; the polythiol(s) (B) is at least one compound selected from polythiols represented by the following general formula (B1); the thiol(s) (C) is at least one compound selected from thiols having general formula (3); and the catalyst(s) (D) is at least one polymerization catalyst selected from metal compounds quaternary ammonium salts organic sulfonic acids tertiary amines and relative inorganic or organic salts.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3804/DELNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: IRIDIUM CATALYSTS FOR CARBONYLATION

:20/12/2012

(51) International

:B01J21/18,B01J23/62,B01J27/135

classification

(31) Priority Document No :61/580818 (32) Priority Date :28/12/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/070920

Filing Date

(87) International Publication

(61) Patent of Addition to :NA

(62) Divisional to Application :NA Number :NA

:WO 2013/101659

**Application Number** Filing Date

Filing Date

(71)Name of Applicant:

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Address of Applicant :200 South Wilcox Drive Kingsport TN

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(72)Name of Inventor:

1)ZHU Zhidong George

2)TUSTIN Gerald Charles

3)ZOELLER Joseph Robert 4)MOORE Mary Kathleen

5)JENKINS David Alan

#### (57) Abstract:

A solid catalyst comprising an effective amount of iridium and at least one second metal selected from gallium, zinc, indium and germanium associated with a solid support material is useful for vapor phase carbonylation to produce carboxylic acids and esters from alkyl alcohols, esters, ethers or ester-alcohol mixtures. The iridium and at least one second metal are deposited on a support material. In some embodiments of the invention, the catalyst is useful for vapor phase carbonylation.

No. of Pages: 40 No. of Claims: 16

:NA

(21) Application No.3877/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SMART METERS AND SYSTEMS AND METHOD FOR ELECTRICAL POWER RECONNECTION

(51) International classification (31) Priority Document No	:G01R22/10,H02J3/14,G01D4/00 :61/629065	(71)Name of Applicant: 1)EMETER CORPORATION
(32) Priority Date (33) Name of priority country	:14/11/2011 :U.S.A.	Address of Applicant :2215 Bridgepointe Parkway Suite 300 San Mateo California 94404 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/064959 :14/11/2012	(72)Name of Inventor: 1)KING Christopher Slaboszewicz 2)JOHNSON Larsh Maur
(87) International Publication No	:WO 2013/074588	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application	:NA	

#### (57) Abstract:

Filing Date

Number

An electrical power system having an electricity meter connected to power lines on one side and a load on the other side the electricity meter having a processor and memory a communications module a sensor and a service disconnect switch. The system has a communications and control system adapted to send information to the electricity meter and receive information from the electricity meter. The service disconnect switch is locally operable based on a preprogrammed time delay stored in the memory of the electricity meter to restore power in a controlled fashion following a power outage. Electricity meters and electricity reconnection methods are described as are other aspects

No. of Pages: 40 No. of Claims: 21

(21) Application No.3878/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PROPYLENE COPOLYMER FOR BLOW MOLDED ARTICLES

(51) International classification :C08F210/06,C08L23/14,B29C49/00 (31) Priority Document No :11195490.5 (32) Priority Date :23/12/2011

(33) Name of priority :EPO

country

(86) International Application No :PCT/EP2012/076007

Filing Date :18/12/2012

(87) International :WO 2013/092624

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA::NA::NA

(71)Name of Applicant : 1)BOREALIS AG

Address of Applicant :IZD Tower Wagramerstrae 17 19 A

1220 Vienna Austria (72)Name of Inventor : 1)KLIMKE Katja

2)BERNREITNER Klaus 3)SANDHOLZER Martina 4)GAHLEITNER Markus

#### (57) Abstract:

Propylene copolymer having a melt flow rate MFR2 (230 °C) in the range of more than 0.5 to below 2.5 g/10min a xylene cold soluble content (XCS) in the range of 30.0 to 40.0 wt % a comonomer content in the range of more than 7.5 to 12.0 wt. % wherein further the comonomer content of xylene cold soluble (XCS) fraction of the propylene copolymer is in the range of 16.0 to 28.0 wt. %.

No. of Pages: 42 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: AEROSOL GENERATING DEVICE WITH HEATER ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A24F47/00 :11250870.0 :25/10/2011 :EPO :PCT/EP2012/071083 :24/10/2012 :WO 2013/060743 :NA :NA	(71)Name of Applicant:  1)PHILIP MORRIS PRODUCTS S.A.  Address of Applicant: Quai Jeanrenaud CH 2000 Neuchatel Switzerland (72)Name of Inventor:  1)RUSCIO Dani 2)GREIM Olivier 3)PLOJOUX Julien
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3880/DELNP/2014 A

#### (57) Abstract:

There is provided an aerosol generating device comprising: a housing (100) configured to receive an aerosol forming substrate (180) having an internal cavity; a heating element (200) the heating element (200) configured to be received within the internal cavity of the aerosol forming substrate (180) and a positioning mechanism coupled to the heating element (200) and to the housing (100) the positioning mechanism configured to move the heating element (200) between a plurality of heating positions within the internal cavity There is also provided an aerosol generating device comprising a housing configured to receive an aerosol forming substrate a heating element configured to heat a portion of the aerosol forming substrate and a positioning mechanism configured to move the heating element from a first position next to a first portion of the aerosol forming substrate to a second position remote from the aerosol forming substrate and then to a third position next to a second portion of the aerosol forming substrate. There is also provided an aerosol generating device comprising a housing configured to receive an aerosol forming aerosol forming substrate having an internal cavity a heating element the heating element configured to be received within the internal cavity of the aerosol forming substrate and positioning mechanism the positioning mechanism configured to move the heating element towards and away from an interior surface of the internal cavity.

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

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : WINDOWS AND DOORS ASSEMBLY STRUCTURE HAVING A JOINT PORTION OF 45 DEGREES

(51) International classification :E06B3/964,E06B3/70 (71)Name of Applicant : (31) Priority Document No 1)IDA CO. LTD. :10-2011-0116938 (32) Priority Date Address of Applicant :154 Deungwon ri Jori eup Paju si :10/11/2011 (33) Name of priority country Gyeonggi do 413 821 Republic of Korea :Republic of Korea (86) International Application No :PCT/KR2012/009164 (72)Name of Inventor: :02/11/2012 1)KIM Soon Seok Filing Date (87) International Publication No :WO 2013/069928 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a window and door assembly structure having a joint portion of 45 degrees. In the window and door assembly structure having the joint portion of 45 degrees both ends of a horizontal bar are cut at 45 degrees a first coupling space is defined along a lengthwise direction of the horizontal bar to connect an inner space of the horizontal bar to the outside and a screw coupling part having a screw coupling groove protrudes within the first coupling space. Also both ends of a vertical bar are cut at 45 degrees so that a vertical bar has a joint portion of 45 degrees when the vertical bar and the horizontal bar contact each other a second coupling space is defined along a lengthwise direction of the vertical bar to connect an inner space of the horizontal bar to the outside and a sidewall defining the second coupling space has a screw groove collinear to a screw coupling groove. Also a support block includes a first support part inserted into the first coupling space of the horizontal bar and a second support part inserted into the second space of the vertical bar. A coupling part entrance groove is defined in the first support part so that the screw coupling part enters when the first support part is inserted into the first coupling space. Thus since the vertical bar and the horizontal bar are simply detached and the windows and doors may easily installed and repaired. Also since the horizontal and vertical bars are minimized in thickness the windows and doors may be made lightweight. Furthermore the joint portion between the horizontal bar and the vertical bar may be more firmly reinforced by a reinforcing plate.

No. of Pages: 31 No. of Claims: 1

(21) Application No.3704/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CASTOR CONTROL SYSTEM

(51) International classification	:B60B33/02,B60B33/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2011 00890	1)LINAK A/S
(32) Priority Date	:14/11/2011	Address of Applicant :Smedev nget 8 Guderup DK 6430
(33) Name of priority country	:Denmark	Nordborg Denmark
(86) International Application No	:PCT/DK2012/000120	(72)Name of Inventor:
Filing Date	:13/11/2012	1)BR~NDUM Peter
(87) International Publication No	:WO 2013/071932	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11//	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system for controlling at least two castors (1) in a castor control system (28) is provided. The castor comprises a brake activator (7) which can be used to set the castor (1) in three different positions: directional lock, neutral or braked. The brake activator (7) can be operated manually, e.g. by foot, or via a servo motor assembly (14) having a servo motor connected to the brake activator of the castor. The servo motor assembly further comprises a printed circuit board (16), a microprocessor (17) and at least one switch (19,20) connected to the brake activator (7). The servo motor assembly can further comprise a motion sensor (18). The servo motor assembly of each castor is connected to an electric brake controller (33) of the castor control system. The castors can be operated from an operating panel (37) of the castor control system (28). If the brake activator (7) of one castor is manually operated, the electric brake controller (33) can be set to let one or more of the other castors of the system assume the same position. The system can also set all castors (1) in the braked position if the motion sensor (18) detects motion of the castors (1) and the system is connected to mains voltage (40).

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

(19) INDIA

(22) Date of filing of Application :13/05/2014

(21) Application No.3884/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ADJUSTABLE BALER FEEDER DUCT

(51) International classification	:A01F15/10	(71)Name of Applicant :
(31) Priority Document No	:BE2011/0666	1)CNH BELGIUM N.V.
(32) Priority Date	:17/11/2011	Address of Applicant :Leon Claeysstraat 3A B 8210 Zedelgem
(33) Name of priority country	:Belgium	Belgium
(86) International Application No	:PCT/EP2012/072863	2)CNH AMERICA LLC
Filing Date	:16/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/072473	1)VERHAEGHE Didier O. M.
(61) Patent of Addition to Application	:NA	2)VAN DEN BROUCKE Jonas
Number	:NA	3)HEYNS Jolan
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to agricultural balers of the rectangular type (20) for the formation of bales of crop material such as hay straw or silage in a bale chamber (2). In particular the invention is concerned with the feeder duct (11) of such balers. The baler comprises adjusting means (27) for setting the upper end of the upper wall means (54) in a predetermined position and the lower end of the upper wall means is designed to pivot around an axis (55) near the entry point of the feeder means (12) into the lower end of the upper wall means such that the cross section of the feeder duct is variable. The invention further relates to a method of operation of said agricultural baler for optimizing the baling process.

No. of Pages: 36 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) P

(43) Publication Date: 13/02/2015

(71)Nome of Applicant.

# (54) Title of the invention : ELECTRODE FOR ELECTROCHEMICAL CELL AND METHOD OF MANUFACTURING SUCH AN ELECTRODE

## (57) Abstract:

The invention relates to an lectrode for an electrochemical cell which exhibits good lectron conductivity and good chemical conductivity, as well as good cohsion with the solid electrolyte of the electrochemical cell. To do this, this lectrode is made from a ceramic, which is a perovskite doped with a lanthanide having one or more degrees of oxidation and with a complementary doping lment taken from the following group: niobium, tantalum, vanadium, phosphorus, arsenic, antimony, bismuth.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

:NA

:NA

# (54) Title of the invention : REACTOR FOR PREPARING PRECURSOR OF LITHIUM COMPOSITE TRANSITION METAL OXIDE AND METHOD FOR PREPARING PRECURSOR

(51) International classification: B01J19/28,B01J19/18,C01D15/00 (71) Name of Applicant: (31) Priority Document No :1020120010134 1)LG CHEM LTD. (32) Priority Date :01/02/2012 Address of Applicant :20 Yoido dong Youngdungpo gu Seoul (33) Name of priority country :Republic of Korea 150 721 Republic of Korea (86) International Application (72)Name of Inventor: :PCT/KR2012/007058 1)PARK ByungChun :04/09/2012 2)KANG Seong Hoon Filing Date (87) International Publication 3)SHIN HoSuk :WO 2013/115446 No 4)PARK SangMin (61) Patent of Addition to 5)PARK Hong Kyu :NA **Application Number** :NA Filing Date

(57) Abstract:

Filing Date

Number

(62) Divisional to Application

The present invention relates to a reactor for preparing a precursor of a lithium composite transition metal oxide for a lithium secondary battery and relates to a reactor for preparing composite transition metal hydroxide particles and a method for preparing composite transition metal hydroxide particles using the same wherein the reactor has a closed structure comprising: a hollow fixed cylinder; a rotating cylinder having the same axis as the fixed cylinder and having an outer diameter smaller than the inner diameter of the fixed cylinder; an electric motor for generating power for the rotation of the rotating cylinder; a rotation reaction space as an interval space between the fixed cylinder and the rotating cylinder in which ring shaped vortex pairs periodically arranged along a rotating shaft and rotating in the opposite direction of each other are generated; and an inlet and an outlet for introducing a reaction fluid into and discharging the reaction fluid from the rotation reaction space. The ratio of the interval between the fixed cylinder and the rotating cylinder to the outer diameter of the rotating cylinder is more than 0.05 and less than 0.4.

No. of Pages: 39 No. of Claims: 12

(21) Application No.3795/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : 2 5 DIOXOIMIDAZOLIDIN 1 YL 3 PHENYLUREA DERIVATIVES AS FORMYL PEPTIDE RECEPTOR LIKE 1 (FPRL 1) RECEPTOR MODULATORS

(51) International :C07D233/80,C07D235/02,C07D401/06

classification

(31) Priority Document :61/558080

No

(32) Priority Date :10/11/2011 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/US2012/064571 :10/11/2012

Filing Date

(87) International :WO 2013/071203

Publication No

(61) Patent of Addition to
Application Number
:NA

Filing Date
(62) Divisional to

Application Number Filing Date :NA (71)Name of Applicant:

1)ALLERGAN INC.

Address of Applicant :2525 Dupont Drive Irvine California

92612 U.S.A.

(72)Name of Inventor:

1)BEARD Richard L.

2)VULIGONDA Vidyasagar

3)VU Thong

4)DONELLO John E. 5)VISWANATH Veena

6)GARST Michael E.

# (57) Abstract:

The present invention relates to novel 2,5-dioxoimidazolidin-l-yl-3- phenylurea derivatives of formula I, processes for preparing them, pharmaceutical compositions containing them and their use as pharmaceuticals as modulators of the N-formyl peptide receptor like-1 (FPRL-1) receptor.

No. of Pages: 119 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :13/05/2014

(21) Application No.3889/DELNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: SEALING DEVICE OF DRIVING SECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:10-2011-0124863 :28/11/2011 :Republic of Korea	(71)Name of Applicant: 1)POSCO Address of Applicant: (Goedong dong) 6261 Donghaean ro Nam gu Pohang si Gyeongsangbuk do 790 300 Republic of Korea (72)Name of Inventor: 1)JEON Sang Jin 2)CHO Myung Ho 3)CHOI Seung Ho
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#### (57) Abstract:

Provided is a sealing device of a driving section for maintaining the airtightness of a driving section (a driving shaft) portion which passes through a sealed structure. The sealing device of a driving section includes: a structure mounting member which is mounted on a structure and through which a driving element passes therethrough; a driving element fixing member which is provided on the structure mounting member so as to be sealed while being fixed to the driving element which passes; and a rotation receiving means which is provided between the driving element fixing member and the structure mounting member so as to receive rotation in conjunction with each other. The present invention as above especially the structure effectively maintains the sealing of the portion through which the driving shaft of a screw feeder passes in a bin or a hopper which has the screw feeder. Meanwhile the present invention additionally absorbs the vibration (shaking) generated at the time of operation and maximizes the sealing effects while restraining abrasion by receiving the rotation of the driving shaft and maintaining the sealing.

No. of Pages: 41 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Pub

(43) Publication Date: 13/02/2015

(21) Application No.3885/DELNP/2014 A

# (54) Title of the invention: STORAGE BATTERY UNIT

(51) International classification	,	(71)Name of Applicant:
(31) Priority Document No	:2011-250780	1)PANASONIC CORPORATION
(32) Priority Date	:16/11/2011	Address of Applicant :1006 Oaza Kadoma Kadoma shi Osaka
(33) Name of priority country	:Japan	5718501 Japan
(86) International Application No	:PCT/JP2012/072841	(72)Name of Inventor:
Filing Date	:07/09/2012	1)TAMURA Hideki
(87) International Publication No	:WO 2013/073269	
(61) Patent of Addition to Application	.N.I.A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A storage battery unit unifies a storage battery a controller for monitoring the storage battery a control power supply for supplying operating power to the controller a charging/discharging terminal and a break switch provided in a charging/discharging path provided between the charging/discharging terminal and the storage battery. The control power supply is connected to the charging/discharging path between the charging/discharging terminal and the break switch receives power through the charging/discharging path and supplies operating power to the controller. When an abnormality occurs in the storage battery the controller controls a notification means so that an abnormality in the storage battery is notified by the notification means when an abnormality occurs in the storage battery. The break switch opens when the storage battery is not being charged or discharged.

No. of Pages: 39 No. of Claims: 2

(21) Application No.3886/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: FILM COMPOSITION FOR CONTROLLED PEELABLE SEAL FILM

(51) International classification :B32B7/02,B32B7/06,B32B27/08 (71)Name of Applicant:

(31) Priority Document No :61/547820 (32) Priority Date :17/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/060235

:15/10/2012 Filing Date

(87) International Publication :WO 2013/059117

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BECTON DICKINSON AND COMPANY

Address of Applicant: 1 Becton Drive MC 110 Franklin Lakes

New Jersey 07417 1880 U.S.A. (72)Name of Inventor:

1)HERMEL DAVIDOCK Theresa

## (57) Abstract:

The present invention provides polymeric film and more particularly a multi layer polymeric film including one or more structural layers of homogenous polypropylene; one or more structural layers of random copolymer polypropylene; one or more anhydride modified polyethylene based tie layers; one or more linear low density polyethylene (LLDPE) blend sealant layers having a primary LLDPE component a secondary LLDPE component and an optional LDPE additive component.

No. of Pages: 36 No. of Claims: 32

(21) Application No.3887/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: FILM COMPOSITION FOR CONTROLLED PEELABLE SEAL FILM

(51) International classification :B32B7/02,B32B7/06,B32B7/08 (71)Name of Applicant :

(31) Priority Document No :61/547,820 (32) Priority Date :17/10/2011 (33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/060216

Filing Date :15/10/2012 (87) International Publication No: WO 2013/059114

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

1)BECTON DICKINSON AND COMPANY

Address of Applicant: 1 Becton Drive MC 110 Franklin Lakes

New Jersey 07417 1880 U.S.A. (72)Name of Inventor:

1)HERMEL DAVIDOCK Theresa

#### (57) Abstract:

Filing Date

The present invention provides polymeric film and more particularly a multi layer polymeric film including one or more structural layers of homogenous polypropylene; one or more structural layers of random copolymer polypropylene; one or more anhydride modified polyethylene based tie layers; one or more linear low density polyethylene (LLDPE) blend sealant layers having a primary LLDPE component a secondary LLDPE component and an optional LDPE additive component.

No. of Pages: 25 No. of Claims: 24

(21) Application No.3896/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: APPARATUS AND METHOD TO PRODUCE DATA PULSES IN A DRILL STRING

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT Filing Date :14/1	A Address of Applicant :10200 Bellaire Blvd Houston Texas 77072 U.S.A. (72)Name of Inventor : 1)SITKA Mark A.  A A A A A A A A A A A A A A A A A A
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#### (57) Abstract:

A method and assembly to produce data pulses in a drilling fluid in a drill string. The assembly comprises a shear valve that includes a valve member mounted in a valve passage in fluid flow communication with a fluid flow conduit of a drill string to which the assembly is connectable. The valve member is connected to a reciprocation mechanism comprising a rocker a driven crank arrangement and a slider member that provides a sliding coupling between the crank arrangement and the rocker. The slider member is pivotally connected to the crank arrangement is keyed to the rocker for angular displacement about a valve axis and is radially slidable relative to the rocker so actuation of the crank arrangement causes angular reciprocation of the rocker and hence of the valve member about the valve axis to produce data pulses in the drilling fluid.

No. of Pages: 36 No. of Claims: 25

(22) Date of filing of Application: 14/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: OPTICAL TILTED CHARGE DEVICES AND METHODS

(51) International :H01L29/737,H01L29/778,H01L33/00 classification

(31) Priority Document No :61/629.181 (32) Priority Date :14/11/2011

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/064778

Application No :13/11/2012 Filing Date

(87) International

(19) INDIA

:WO 2013/074496 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)QUANTUM ELECTRO OPTO SYSTEMS SDN. BHD.

Address of Applicant : Melaka Media House Mitc City 75450

Ayer Keroh Melakia Malaysia

(21) Application No.3897/DELNP/2014 A

(72)Name of Inventor:

1)WALTER Gabriel

## (57) Abstract:

Filing Date

A method for producing optical signals with improved efficiency including the following steps: providing a layered semiconductor structure that includes a substrate a semiconductor collector region of a first conductivity type a semiconductor base region of a second conductivity type disposed on the collector region and a semiconductor emitter region of the first semiconductor type disposed as a mesa over a portion of a surface of the base region; providing in the base region at least one region exhibiting quantum size effects; providing collector base and emitter electrodes respectively coupled with the collector base and emitter regions; providing a tunnel barrier layer over at least the exposed portion of the surface of the base region; and applying signals with respect to the collector base and emitter electrodes to produce optical signals from the base region. Also disclosed is an optical tilted charge device with an InGaAsN quantum well.

No. of Pages: 40 No. of Claims: 29

(21) Application No.3823/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: SURGICAL INCISION AND CLOSURE APPARATUS WITH INTEGRATED FORCE DISTRIBUTION

(51) International :A61B17/03,A61B17/04,A61B17/08 classification

(31) Priority Document No :13/286757 (32) Priority Date :01/11/2011

(33) Name of priority country:U.S.A.

(86) International :PCT/US2012/062820

Application No :31/10/2012 Filing Date

(87) International Publication :WO 2013/067024

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)ZIPLINE MEDICAL INC.

Address of Applicant: 1916 Fallen Leaf Lane Los Altos CA

94024 U.S.A.

(72)Name of Inventor: 1)BELSON Amir 2)STORNE Eric 3)JOHNSON Eric T.

4)RAGLAND Robert R. 5)BURKE Phillip C.

6)CLAUSON Luke

#### (57) Abstract:

Apparatus for closing a surgical incision comprise a base having left and right panels a force distribution structure coupled to each panel and a closure component which releasably attaches to the force distribution structure to draw the inner edges of the panels together in order to close adhered tissue edges. The force distribution structures allow the inner edges of the panels to expand while restraining expansion of the outer edges of the panels and limiting elongation of the lateral dimension of the panels. The incision closure appliance may be placed on skin or other tissue prior to forming the incision to be available to close said incision at the end of the surgical procedure.

No. of Pages: 26 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR ENCODING IMAGE AND METHOD AND APPARATUS FOR DECODING IMAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N7/26 :10-2011-0116130 :08/11/2011 :Republic of Korea :PCT/KR2012/009180 :02/11/2012 :WO 2013/069932 :NA :NA :NA	(71)Name of Applicant:  1)KT CORPORATION  Address of Applicant:90 Buljeong ro Bundang gu Seongnam city Gyeonggi do 463 711 Republic of Korea (72)Name of Inventor:  1)LEE Bae Keun 2)KWON Jae Cheol 3)KIM Joo Young
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#### (57) Abstract:

The present invention discloses a method and an apparatus for encoding an image and a method and an apparatus for decoding a message. The method for decoding the image comprises the steps of: entropy decoding a bit stream that is received to recover a residual value by reverse quantizing and reverse converting the residual value; performing inter prediction with respect to a prediction unit that is divided into at least two units by applying an asymmetric partition division method wherein the prediction unit that is divided comprises a first divided prediction unit and a second divided prediction unit; and recovering the image by adding the residual value to a final prediction unit wherein the step of generating the final prediction unit can comprise a step of interpolating by using a filter tap which has a variable length in a horizontal or perpendicular direction depending on the length of the first divided prediction unit so that pixels that belong to the second divided prediction unit is not included in the interpolation.

No. of Pages: 47 No. of Claims: 20

(21) Application No.3900/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ADAPTIVE LOAD SHARING OF PARALLEL INVERTERS SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J3/46,H02J9/06 :NA :NA :NA :NA :PCT/US2011/057248 :21/10/2011 :WO 2013/058763 :NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC IT CORPORATION Address of Applicant:132 Fairgrounds Road West Kingston RI 02892 U.S.A. (72)Name of Inventor: 1)BEG Mirza Akmal
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#### (57) Abstract:

According to one aspect, embodiments of the invention provide a method of operating a UPS system having a first UPS and a second UPS, the method comprising powering on the first UPS, receiving power from a first input power source coupled to an input of the first UPS, providing power to a load coupled to an output of the first UPS, adjusting the power provided to the load by the first UPS in response to power characteristics of the first UPS and power characteristics of the second UPS.

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

(21) Application No.3901/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND APPARATUS OF MASTER SELECTION LOGIC IN UPS PARALLEL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J9/06 :NA :NA :NA :NA :PCT/US2011/057196 :21/10/2011 :WO 2013/058759 :NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC IT CORPORATION Address of Applicant: 132 Fairgrounds Road West Kingston RI 02892 U.S.A. (72)Name of Inventor: 1)AGRAWAL Mahima 2)KAYANADATH Suresh 3)GEORGE Joy
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#### (57) Abstract:

According to one aspect, embodiments of the invention provide a method of operating a UPS system having a plurality of UPSs, the method comprising powering on the UPS system, assigning each one of the plurality of UPSs a unique identifier, calculating a master priority index for each one of the plurality of UPSs based on the unique identifier of each one of the plurality of UPSs, and based on the master priority index of each one of the plurality of UPSs, configuring each one of the plurality of UPSs to operate in one of a master mode of operation and a controlled mode of operation.

No. of Pages: 32 No. of Claims: 20

(21) Application No.3902/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: A YAW DRIVE FOR A YAWING SYSTEM FOR A WIND TURBINE

(51) International classification :F03D7/02,F16D7/02,F16D43/21 (71)Name of Applicant:

(31) Priority Document No :PA 2011 70592 (32) Priority Date :31/10/2011 (33) Name of priority country :Denmark

(86) International Application :PCT/DK2012/050398

No :29/10/2012 Filing Date

(87) International Publication No:WO 2013/064151

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) VESTAS WIND SYSTEMS A/S

Address of Applicant : Hedeager 44 DK 8200 Aarhus N

Denmark

(72)Name of Inventor:

1)VERMUND RASMUSSEN Lars

## (57) Abstract:

A yaw drive (1) for a yawing system for a wind turbine, the yaw drive (1) comprising a motor (2), a gear assembly (3) operationally connected to the motor (2), and a torque limiter (5). The torque limiter (5) is arranged detachably between the motor (2) and the gear assembly (3), in such a manner that the torque limiter (5) is capable of transferring torque between the motor (2) and the gear assembly (3), and the torque limiter (5) being capable of limiting torque transfer between the motor (2) and the gear assembly (3) when the torque applied to the torque limiter (5) exceeds a threshold value. A torque transferring part of the torque lim - iter (5) comprises a first set of discs connected to a rotating output shaft of the motor (2) and a second set of discs connected to a rotating input shaft of the gear assembly (3), the discs (8) of the first set of discs being arranged interleaved with the discs (9) of the second set of discs, thereby forming a stack of discs. A friction between the discs (8) of the first set of discs and the discs (9) of the second set of discs provides torque transfer between the discs (8, 9). The discs (8, 9) are allowed to rotate relative to each other when an applied torque overcomes the friction between the discs (8, 9). The torque limiter (5) is provided with a preload mechanism, e.g. in the form of slotted disc springs (10), arranged to apply a preload force to the stack of discs in such a manner that the preload force defines the friction between the discs (8, 9).

No. of Pages: 18 No. of Claims: 7

(21) Application No.3882/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CERAMIC COMPOSITION

(51) International classification :C04B33/13,C04B38/08,C04B35/626

(31) Priority Document No :A 1535/2011 (32) Priority Date :20/10/2011 (33) Name of priority :Austria

country

(86) International Application No :PCT/AT2012/000263

Filing Date :17/10/2012

(87) International Publication No :WO 2013/056287

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA
:NA

(71)Name of Applicant : 1)WUSTINGER Horst

Address of Applicant :Stockham 35 A 5204 Strasswalchen

Austria

(72)Name of Inventor:
1)WUSTINGER Horst

# (57) Abstract:

The invention relates to a ceramic composition and to a method for producing same and to ceramic bodies that are produced from said ceramic composition. Grains of a foamable inorganic substance are admixed with the ceramic composition. The grains are foamed to a specific gravity that lies between the specific gravity of the unfoamed grains and the maximum specific gravity to which the specific gravity of the grains could be reduced if the grains were to be foamed at the firing temperature of the ceramic composition.

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

(21) Application No.3883/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: INFINITELY VARIABLE TRACTION DRIVE EMPLOYING ALTERNATE STEERABLE ROLLERS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Filing Date  (51) International classification (71) Name of Applicant: (72) Name of Inventor: (72) Name of Inventor: (72) Name of Applicant: (73) Name of Applicant: (74) Name of Applicant: (74) Name of Applicant: (75) Name of Appli	nneville Road Ste
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#### (57) Abstract:

The invention relates to a method for achieving a continuously variable transmission. A power transmission is realized by a drive and driven members creating at least one point of a contact between each other. Each of members may be at least one roller pressed against an opposite members surfaces with virtual surfaces. The method consists in adjustment of movement directions between the surfaces and the roller defined by a first movement vector of the surface relative to contact point a second movement vector of the roller and a third movement vector of rolling direction of the roller a steering angle and a correction angle. The steering angle is varied in accordance with a desired transmission ratio and lateral/thrust load on the roller while respecting the deformability of the contact points.

No. of Pages: 29 No. of Claims: 27

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PLASMA MICRORNAS FOR THE DETECTION OF EARLY COLORECTAL CANCER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/68 :61/550148 :21/10/2011 :U.S.A. :PCT/IB2012/003035 :20/10/2012 :WO 2013/093635 :NA :NA :NA	(71)Name of Applicant:  1)HOSPITAL CLINIC DE BARCELONA Address of Applicant: Villarroel 170 E 0836 Barcelona Spain  2)CENTRO DE INVESTIGACIN BIOM‰DICA EN RED DE ENFERMEDADES HEP TICAS Y DIGESTIVAS (72)Name of Inventor:  1)GIRONELLA I Cos Meritxell  2)LOZANO SALVATELLA Juan Jose 3)CASTELLS i Garangou Antoni  4)GIRALDEZ Maria Dolores
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#### (57) Abstract:

The present invention relates in general to the field of colorectal cancer detection and more particularly to plasma microRNAs for the detection of early colorectal cancer. Specifically the present invention includes methods kits and biomarkers for diagnosing or detecting colorectal neoplasia in a human subject comprising the steps of: A method for diagnosing or detecting colorectal neoplasia in a human subject comprising the steps of: obtaining one or more biological samples from the subject suspected of suffering from colorectal neoplasia; measuring an overall expression pattern or level of one or more microRNAs obtained from the one or more biological samples of the subject; and comparing the overall expression pattern of the one or more microRNAs from the biological sample of the subject suspected of suffering from colorectal neoplasia with the overall expression pattern of the one or more microRNAs from a biological sample of a normal subject wherein the normal subject is a healthy subject not suffering from colorectal neoplasia wherein overexpression of a combination of miR19a and miR19b or miR19a and miR19b and miR15b is indicative of colorectal cancer.

No. of Pages: 55 No. of Claims: 37

(21) Application No.3908/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COMPRESSIVE GRINDER FOR A BED OF MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:B02C15/06 :11 03689 :02/12/2011 :France :PCT/FR2012/052768 :30/11/2012 :WO 2013/079883	(71)Name of Applicant: 1)FIVES FCB Address of Applicant: 50 Rue de Ticleni F 59650 Villeneuve D'ascq France (72)Name of Inventor: 1)CORDONNIER Alain 2)DEVROE Sbastien
Filing Date	:30/11/2012	1)CORDONNIER Alain
(87) International Publication No	:WO 2013/079883	2)DEVROE Sbastien
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a compressive grinder (1) for a bed of materials (5), including: a cylinder (2) which has a horizontal axis (A), and the inner wall of which comprises a raceway for a grinding roller (3) arranged inside said cylinder (2); a means for rotating the cylinder about the axis (A) thereof; said grin ding roller (3), which has an axis that is parallel to the axis (A) of the cylinder (2); a means for urging said grinding roller (3) against the raceway of said cylinder (2); and an input for supplying material to be ground at one end of said cylinder (2) and an outlet for the ground material at the other end of said cylinder (2). According to the invention, the grinder includes: a smoothing rol ler (4) arranged upstream from said grinding roller (3) in the direction of rotation (R) of said cylinder (2); a means for keeping the smoothing roller (4) adjacent to and separated from the raceway of said cylinder (2), such that, upon each turn of the cylinder (2), the mate rial consecutively passes under the smoothing roller (4) and then under the grinding roller (3), said smoothing roller (4) exerting, on the bed of materials (5), a pressure that smoothes the surface thereof, said pressure being lower than the pressure (P) exerted by said grin ding roller (3) on said bed of materials (5).

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

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 13/02/2015

## (54) Title of the invention: PORTABLE COMPACT ELECTROLYTIC HYDROGEN OXYGEN GAS GENERATING AND CONDITIONING APPARATUS

(51) International classification :C25B1/04,C25B9/00,C25B15/08 (71)Name of Applicant: (31) Priority Document No :1-2011-000356 (32) Priority Date :10/11/2011 (33) Name of priority country :Phillipines (86) International Application :PCT/PH2012/000014

:31/10/2012 Filing Date

(87) International Publication :WO 2013/070096 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) CHUNG Dominic N. Jr.

Address of Applicant :Unit#402 Chunics Building #3368 Ramon Magsaysay Blvd. Sta. Mesa Metro Manila Phillipines

(72)Name of Inventor: 1) CHUNG Dominic N. Jr.

# (57) Abstract:

The invention relates to a portable compact electrolytic hydrogen oxygen gas generating and conditioning apparatus preferably a single unitary upright device that comprises a water based means for generating a mix of hydrogen and oxygen ion gases through electrolysis upstream gas conditioning means for at least purifying scrubbing and/or mixing with supplied air the upwardly moving ion gases and at least a conditioned gas outlet means provided at the upper portion thereof in communication with the gas conditioning means having a safety mechanism for preventing any gas flashback occurrence. The apparatus is characterized by the provision therein of at least a means for preventing any water splash and spill or leakage tendencies preferably in form of a combination of water guard and baffle plates and maze like narrow gas passageways into the negatively pressurized or vacuumized outlet means connected preferably to an engine s fuel intake manifold. The plates and gas passageways which are in communication with each other and with the outlet means at the upstream side thereof also function as liquid and gas separator and gas dryer.

No. of Pages: 20 No. of Claims: 14

(21) Application No.3910/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: PHOTOACTIVE RESINS RADIATION CURABLE COMPOSITIONS AND RADIATION CURABLE **INKS**

(51) International :C08G10/00,C08G61/02,C08G14/00

classification (31) Priority Document No :61/564,421

(32) Priority Date :29/11/2011 (33) Name of priority country: U.S.A.

(86) International :PCT/US2012/067024

Application No :29/11/2012 Filing Date

(87) International Publication :WO 2013/082262

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

1)SUN CHEMICAL CORPORATION

Address of Applicant :35 Waterview Blvd. Parsippany NJ

07054 U.S.A.

(72)Name of Inventor: 1)GAUDL Kai uwe

2)DIEKER Juergen

## (57) Abstract:

The present invention is directed to photoactive resins employed in radiation curable compositions and ink. The radiation curable compositions include mono or multi functional acrylates an amine and the above mentioned photoactive resin. Radiation curable inks at least include the components of the radiation curable composition in addition to colorants.

No. of Pages: 47 No. of Claims: 29

(21) Application No.3911/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FIBROBLASTS FOR TREATMENT OF DEGENERATIVE DISC DISEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:C12N5/00 :61/557,479 :09/11/2011 :U.S.A. :PCT/US2012/064101 :08/11/2012 :WO 2013/070880 :NA :NA	(71)Name of Applicant:  1)SPINALCYTE LLC  Address of Applicant:17300 El Camino Real Suite 110  Houston TX 77058 U.S.A. (72)Name of Inventor:  1)OHEERON Pete 2)AN Howard
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention concerns methods and compositions for differentiating cells including human fibroblasts into chondrocyte like cells mechanical strain. In particular aspects fibroblasts are delivered to a joint such as an intervertebral disc following which the fibroblasts differentiate into chondrocyte like cells to treat dysfunction of cartilage therein including to repair degenerated discs for example. The fibroblasts that do not differentiate to chondrocytic cells because of the location of the cells as in the fissures of annulus or other biomechanical and biochemical micro environment factors may produce fibrous matrix molecule(s) in aiding tissue repair and regeneration in both nucleus pulposus and annulus fibrosus. In certain aspects the fibroblasts prior to delivery to the individual are managed in the absence of growth factors mechanical strain and/or matrix molecules for example.

No. of Pages: 17 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: HYBRID DRILL BITS HAVING INCREASED DRILLING EFFICIENCY

(51) International classification :E21B10/34,E21B10/42
(31) Priority Document No :61/560083
(32) Priority Date :15/11/2011
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/065277 Filing Date :15/11/2012

(87) International Publication No :WO 2013/074788

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

(71)Name of Applicant:

1)BAKER HUGHES INCORPORATED

Address of Applicant :P.O. Box 4740 Houston TX 77210 4740

U.S.A.

(72)Name of Inventor:

1)ZAHRADNIK Anton F. 2)PESSIER Rolf C.

3)ROTHE Mitchell A. 4)NGUYEN Don Q. 5)CEPEDA Karlos

6)DAMSCHEN Michael S.

7)BUSKE Robert J. 8)HOWARD Johnathan 9)VEMPATI Chaitanya K.

#### (57) Abstract:

An earth boring drill bit is described the bit having a bit body having a central longitudinal axis that defines an axial center of the bit body and configured at its upper extent for connection into a drillstring; at least one primary fixed blade extending downwardly from the bit body and inwardly toward but not proximate to the central axis of the drill bit; at least one secondary fixed blade extending radially outward from proximate the central axis of the drill bit; a plurality of fixed cutting elements secured to the primary and secondary fixed blades; at least one bit leg secured to the bit body; and a rolling cutter mounted for rotation on the bit leg; wherein the fixed cutting elements on at least one fixed blade extend from the center of the bit outward toward the gage of the bit but do not include a gage cutting region and wherein at least one roller cone cutter portion extends from substantially the drill bit s gage region inwardly toward the center of the bit the apex of the roller cone cutter being proximate to the terminal end of the at least one secondary fixed blade but does not extend to the center of the bit.

No. of Pages: 62 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3797/DELNP/2014 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: MOTION VIDEO PREDICT CODING METHOD MOTION VIDEO PREDICT CODING DEVICE MOTION VIDEO PREDICT CODING PROGRAM MOTION VIDEO PREDICT DECODING METHOD MOTION VIDEO PREDICT DECODING DEVICE AND MOTION VIDEO PREDICT DECODING PROGRAM

(51) International classification	:H04N7/32	(71)Name of Applicant :
(31) Priority Document No	:2011-228758	1)NTT DOCOMO INC.
(32) Priority Date	:18/10/2011	Address of Applicant :11 1 Nagatacho 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1006150 Japan
(86) International Application No	:PCT/JP2012/073090	(72)Name of Inventor:
Filing Date	:10/09/2012	1)BOON Choong Seng
(87) International Publication No	:WO 2013/058034	2)SUZUKI Yoshinori
(61) Patent of Addition to Application	:NA	3)TAN Thiow Keng
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		•

#### (57) Abstract:

A motion video predict coding device comprises: an input means for receiving an input of a plurality of images which configure a motion video; a coding means for predict coding a subject image with an image which is restored after having been coded in the past as a reference image and generating compressed image data; a restoring means for decoding the compressed image data and restoring the image data to a playable image; an image storage means for storing the playable image as a reference image for contiguous image coding; and a buffer administration means for controlling the image storage means. The buffer administration means controls the image storage means based on buffer description information BD[k] which relates to the reference image for coding (prior to predict coding the subject image) refers to buffer description information BD[m] of an image which differs from the subject image and codes the buffer description information BD[k] and adds the coded data to the compressed image data.

No. of Pages: 72 No. of Claims: 4

(19) INDIA

(43) Publication Date: 13/02/2015

(22) Date of filing of Application :09/05/2014

## (54) Title of the invention: METHOD FOR CONTROLLING AN OBSTRUCTION LIGHT AND A WIND PARK FOR CARRYING OUT SUCH A METHOD

:09/11/2012

(51) International classification :F03D7/04,F03D11/00 (71)Name of Applicant : (31) Priority Document No :10 2011 086 990.5 (32) Priority Date :23/11/2011 (33) Name of priority country :Germany (86) International Application No :PCT/EP2012/072333

(87) International Publication No :WO 2013/075959

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)WOBBEN PROPERTIES GMBH

(21) Application No.3798/DELNP/2014 A

Address of Applicant :Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor: 1)HARMS Stephan 2)M-LLER Gerd

#### (57) Abstract:

Filing Date

The invention relates to a method for controlling the aviation beacon of a wind park using acoustic monitoring or to a wind park which consists of one or more wind turbines said wind park having an acoustic monitoring device with a microphone arrangement that records sound signals noises or similar from the environment of said wind park these sound signals being processed in a signal processing device that is connected to said microphone arrangement with a switching device being provided in order to switch on an aviation beacon device of at least one wind turbine of the wind park and this switching device being coupled to and controlled by said signal processing device such that the signal processing device prompts the switching device to switch on the aviation beacon if using the acoustic monitoring device a sound signal of a flying object e.g. an aeroplane or a helicopter is detected and/or if a predetermined audio signal (e.g. a pure tone) is superimposed and/or distorted by the noises of this flying object.

No. of Pages: 33 No. of Claims: 18

(21) Application No.3799/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : ORAL CARE OR CLEANSER COMPOSITION COMPRISING SOLUBILIZED MAGNOLOL ANALOGS AND PPG 1 PEG 9 LAURYL GLYCOL ETHER

(51) International classification	:A61K8/34,A61K8/39,A61Q11/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
<ul><li>(86) International Application</li><li>No</li><li>Filing Date</li><li>(87) International Publication</li><li>No</li></ul>	:PCT/US2011/065020 :15/12/2011 :WO 2013/089718	<ul> <li>(72)Name of Inventor:</li> <li>1)HOURIGAN Regina</li> <li>2)MASTRULL Jeffrey</li> <li>3)MATTAI Jairajh</li> <li>4)MASTERS James</li> </ul>
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	T)ATA PERO GAMES

## (57) Abstract:

A composition comprising a solubilized magnolol analog comprising at least one magnolol analog chosen from propyl magnolol, isopropyl magnolol, butyl magnolol, and isobutyl magnolol, and PPG- 1-PEG-9 lauryl glycol ether. These solubilized analogs are useful in personal care, oral care, and home care compositions to provide anti-bacterial activity and reducing the expression of proinflammatory mediators.

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

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: USE OF ISOSORBIDE CAPRYLATES/CAPRATES IN DEODORANTS AND ANTIPERSPIRANTS

(21) Application No.3920/DELNP/2014 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:10 2011 119 033.7 :22/11/2011 :Germany :PCT/EP2012/004827 :21/11/2012 :WO 2013/075826 :NA :NA	(71)Name of Applicant:  1)CLARIANT FINANCE (BVI) LIMITED  Address of Applicant: Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola VIRGIN ISLANDS (72)Name of Inventor:  1)FRICKE Tom  2)KLUG Peter  3)MILDNER Carina
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Disclosed is the use of compositions containing one or more isosorbide caprylates/caprates in antiperspirants and deodorants for improving the action thereof in reducing body odor. The improvement of the action of the antiperspirants and deodorants relates especially to the intensity of reducing body odor and/or to the duration of reducing body odor.

No. of Pages: 30 No. of Claims: 15

(21) Application No.3898/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: HOSE CLAMP

(51) International :F16L33/025,F16L33/035,B65D63/02 classification

(31) Priority Document No: NA (32) Priority Date :NA (33) Name of priority

:NA country

(86) International :PCT/EP2011/005454 Application No

:28/10/2011 Filing Date

(87) International :WO 2013/060346 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)HANS OETIKER AG MASCHINEN UND

APPARATEFABRIK

Address of Applicant : Oberdorfstrasse 21 CH 8812 Horgen

Switzerland

(72)Name of Inventor:

1)MIESSMER Stefan

#### (57) Abstract:

Filing Date

An open hose clamp has a tensioning device in the form of an Oetiker ear 24. The tensioned state is locked by means of toothed regions 15, 23 which engage in one another outside the ear region on the side of the ear 24 facing away from the outer clamp strip end. In the locked state the ear is free of forces so that the hose clamp does not lose the clamping function thereof even in the event of damage to the outwardly projecting ear 24.

No. of Pages: 14 No. of Claims: 9

(21) Application No.3899/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: MULTI COMPONENT ROOM TEMPERATURE CURABLE SILICONE ELASTOMER **COMPOSITION**

(51) International :C08G77/18,C08L83/04,C08K5/549

classification

(31) Priority Document No :2011-230691 (32) Priority Date :20/10/2011 (33) Name of priority country: Japan

(86) International Application: PCT/JP2012/076877 No

:11/10/2012 Filing Date

(87) International Publication :WO 2013/058293

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application:NA Number :NA Filing Date

(71)Name of Applicant:

1)DOW CORNING TORAY CO. LTD.

Address of Applicant: 5 1 Ohtemachi 1 chome Chiyoda ku

Tokyo 1000004 Japan (72)Name of Inventor:

1)OTA Kenji

2) ADACHI Hiroshi

## (57) Abstract:

A multi-component room-temperature-curable silicone elastomer composition essentially comprising: (A) a diorganopolysiloxane including (A-1) a diorganopolysiloxane capped at both molecular terminals with alkoxysilyl groups or hydroxysilyl groups and (A-2) a diorganopolysiloxane capped at only one molecular terminal by an alkoxysilyl group or a hydroxysilyl group and at the other molecular terminal with an alkyl group or an alkenyl group, having a viscosity at 25°C of 20 to 1,000,000 mPas; (B) a silicon-bonded aryl group-containing alkoxysilane; (C) an organic compound having at least two alkoxysilyl groups in one molecule, and being free of siloxane bonds; and (D) a curing catalyst. In such a multi-component room-temperature-curable silicone elastomer composition, the component (A), the component (B), the component (C), and the component (D) are not comprised simultaneously. The multicomponent room-temperature-curable silicone elastomer composition shows sufficient usable life at low temperatures, curing properties with low dependence on temperature and excellent curability at low temperatures, and excellent adhesion.

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

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: ELECTRIC SCOOTER

(51) International classification :B62M7/12,B62H1/02,B62J9/00 (71)Name of Applicant :

(31) Priority Document No :2011-258090 (32) Priority Date :25/11/2011

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2012/079274

Filing Date :12/11/2012 (87) International Publication No: WO 2013/077213

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

:NA Number :NA Filing Date

(62) Divisional to Application

1)HONDA MOTOR CO. LTD.

(21) Application No.3923/DELNP/2014 A

Address of Applicant: 1 1 Minami Aoyama 2 chome Minato

ku Tokyo 1078556 Japan (72)Name of Inventor: 1)KASHIWAI Mikio

2) INAIZUMI Hideki 3)WATANABE Takato

#### (57) Abstract:

(19) INDIA

An electric scooter in which: a power unit using an electric motor as the power source thereof is positioned in a vehicle frame having a lower frame which extends to the rear from the rear end of a downframe extending downward and to the rear from a headpipe and a pair of left and right rear frames angled upward and to the rear at least in the area underneath the seat for a rider and connected to the rear end section of the lower frame; the front end of a swing arm of which the rear end supports a rear wheel is supported so as to allow oscillation; and a battery box for housing a battery is positioned between the pair of left and right rear frames underneath the seat for the rider. Therein a single support shaft (33) which supports the front end of the swing arm (15) on the vehicle frame (F) so as to allow oscillation is positioned underneath the battery box (28). As a result it is possible to use a single support shaft while reducing the impact on the rear wheel from the road surface and suppressing oscillations by ensuring the front to rear length of the swing arm.

No. of Pages: 41 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :15/05/2014

(21) Application No.3924/DELNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: ELECTRIC SADDLE-RIDDEN VEHICLE

(51) International

:B62M7/12,B60K17/04,B62K11/10

classification

(31) Priority Document No :2011-258088 (32) Priority Date :25/11/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/079275 :12/11/2012

Filing Date

(87) International Publication :WO 2013/077214

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)HONDA MOTOR CO. LTD.

Address of Applicant: 1 1 Minami Aoyama 2 chome Minato

ku Tokyo 1078556 Japan (72)Name of Inventor: 1)KASHIWAI Mikio

2)KOBAYASHI Yoshitaka

3)KIKUCHI Hiroyuki

4)KAWATANI Shinji

#### (57) Abstract:

An electric saddle ridden vehicle is provided with: a cantilevered swing arm having an oscillation support part rotatably supported by the vehicle frame and an arm part connected to one side of the oscillation support part in the vehicle widthwise direction; a power unit supported by the arm part and having an electric motor and a decelerator for decelerating the output of the electric motor and transmitting said output to the wheel side of a rear wheel; and a wheel brake positioned on the wheel. Therein the power unit (P) is configured in a manner such that: the decelerator (39) is positioned in relation to the electric motor (38) on the aforementioned one side in the vehicle widthwise direction on the opposite side from the rear wheel (WR); and the electric motor (38) is positioned closer to the vehicle body center line (CL) side in the widthwise direction than the decelerator (39). Furthermore the wheel brake (80) is positioned on the wheel (41) in a manner such that access is possible from the other side in the vehicle widthwise direction on the opposite side from the power unit (P). As a result the balance of weight is favorable and access to the tire which has high maintenance priority is easy.

No. of Pages: 44 No. of Claims: 9

(21) Application No.3909/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: COMPOSITIONS HAVING INCREASED CONCENTRATIONS OF

CARBOXYMETHYLCELLULOSE

(51) International classification (31) Priority Document No :61/632421 (32) Priority Date :17/10/2011

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2012/070545 Filing Date :17/10/2012

(87) International Publication No: WO 2013/057132 (61) Patent of Addition to

:NA Application Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

:NA

:C08B11/12,C08J3/05,C08J3/26 (71)Name of Applicant :

1)CP KELCO OY

Address of Applicant: Kuhnamontie 2 FIN 44 100 "nekoski

Finland

(72)Name of Inventor: 1)MORRISON Neil Argo 2)KAMPPINEN Anssi Kalevi

3)HANZEN Andries

4)KANNIAINEN Marko Juhani 5) RUTANEN Anne Irmeli

## (57) Abstract:

Embodiments of the present description provide methods for increasing the concentration of carboxymethylcellulose alkali solutions that are particularly suitable for use in a high solids paper coating barrier materials etc. Generally described the method includes dissolving carboxymethylcellulose (CMC) and an alkali salt in water to obtain an alkali solution of CMC. The CMC desirably has a degree of substitution less than about 0.9. The alkali solution of CMC includes CMC in a concentration greater than about 9.8 % by weight has a pH from about 7.5 to about 11 and is characterized as having a viscosity of less than about 5 000 mPa.

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

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: IMPROVEMENTS IN CATHETERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:22/10/2012 :WO 2013/057517 :NA	(71)Name of Applicant:  1)UROPHARMA LIMITED  Address of Applicant :c/o PKF (UK) LLP 105 Carrow Road  Norwich Norfolk NR1 1HP U.K.  (72)Name of Inventor:  1)GLICKMAN Scott  2)SHAPLAND Howard
(61) Patent of Addition to Application	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3928/DELNP/2014 A

#### (57) Abstract:

A catheter (1) for insertion into a body cavity of a subject (such as the urinary bladder) and having a drainage tube (2) extending from a drainage opening (3) adjacent a distal end (4) of the catheter to a drainage outlet adjacent a proximal end of the catheter; a closure member (7) mountable for sliding movement within the drainage tube between a first position such that said drainage opening is in fluid communication with the drainage outlet and a second position wherein the closure member blocks fluid communication between the drainage opening and the outlet port; and an actuator (18) operable from the proximal end of the catheter to move the closure member between the first and second positions. The closure member can comprise a second tube sliding within the drainage tube or a slideable plug.

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

(21) Application No.3929/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS

(51) International classification :C12N9/00,C12N9/10,C12N9/12 (71)Name of Applicant:

(31) Priority Document No :61/577.879 (32) Priority Date :20/12/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/070460

Filing Date :19/12/2012

(87) International Publication No: WO 2013/096366

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

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)HITZ William D.

2)QI Min 3)TAO Luan

4)VIITANEN Paul V. 5)YANG Jianjun

(57) Abstract:

Zymomonas cells that are genetically engineered to have a disrupted aldose reductase gene such that aldose reductase activity for conversion of xylose to xylitol in the presence of NADPH is reduced by greater than 90% and that are engineered to express a xylose utilization metabolic pathway were found to have the ability to gro on medium containing xylose as the only sugar without adaptation in media containing xylose.

No. of Pages: 126 No. of Claims: 19

(21) Application No.3930/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# $(54) \ Title \ of the \ invention: ORAL \ CARE \ COMPOSITIONS \ COMPRISING \ N \ BUTYL \ MAGNOLOL \ AND \ ISOBUTYL \ MAGNOLOL$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/US2011/063031 :02/12/2011 :WO 2013/081627 :NA :NA	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)FEI Lin 2)JARACZ Stanislav 3)YANG Ying 4)XU Guofeng
Filing Date	:NA	

## (57) Abstract:

Oral care compositions comprising isobutyl magnolol and n-butyl magnolol. A method of enhancing the solubility of isobutyl magnolol in an oral care composition comprises admixing n-butyl magnolol with an orally acceptable carrier comprising isobutyl magnolol. The composition may be used to treat diseases or conditions of the oral cavity such as caries, gingivitis, periodontitis, tooth yellowing and halitosis.

No. of Pages: 17 No. of Claims: 11

(21) Application No.3931/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ORAL CARE COMPOSITION COMPRISING ISOBUTYL MAGNOLOL

(51) International classification :A61K8/34,A61K8/37,A61Q11/00 (71)Name of Applicant: (31) Priority Document No 1) COLGATE PALMOLIVE COMPANY :NA (32) Priority Date Address of Applicant :300 Park Avenue New York New York :NA (33) Name of priority country :NA 10022 U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2011/063028 No 1)FEI Lin :02/12/2011 Filing Date 2) JARACZ Stanislav (87) International Publication 3)YANG Ying :WO 2013/081626 4)XU Guofeng (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention provides oral care compositions comprising isobutyl magnolol and propylene glycol monolaurate, to-gether with methods of making and using the same. Also described is a method of enhancing the solubility of isobutyl magnolol in an oral care composition comprising effective amount of propylene glycol monolaurate. The composition is for use in the treatment of caries, gingivitis, periodontitis, tooth yellowing and halitosis.

No. of Pages: 15 No. of Claims: 11

(21) Application No.3604/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: DIMMER ARRANGEMENT

(51) International classification: H05B37/02, H05B39/04, G05F1/00 (71) Name of Applicant:

(31) Priority Document No :2011904564 (32) Priority Date :03/11/2011

(33) Name of priority country: Australia

(86) International Application :PCT/AU2012/001336

:01/11/2012 Filing Date

(87) International Publication

:WO 2013/063646

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)SCHNEIDER ELECTRIC SOUTH EAST ASIA (HQ)

PTE LTD

Address of Applicant :10 Ang Mo Kio Street 65 #01 01/03

Techpoint Singapore 569059 Singapore

(72)Name of Inventor:

1)STELMACH Aleksander Roman 2)VANDERZON James Robert

A phase controlled dimming system for enabling multi way control (switching) and indication of dimming level via use of LED indicators in a two wire phase dimmer for lighting fans or other applications is provided. This is achieved through the use of a single interconnection wire between the dimmer and remote dimming switches which is used for both power control and bi directional signaling. Both the dimmer and remote dimming switches have switches for controlling the dimmer level. Remote dimmers are powered via a current pulse non conduction period. The current pulse has a switch operation portion and a dimming indication portion. Users can change dimming level at either of the dimmer or remote location whereby a short change in an interrupt pulse is generated to allow the change to be detected and acted upon by the dimmer circuit whilst also providing visual dimming level indication to the users.

No. of Pages: 48 No. of Claims: 32

(21) Application No.3605/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : MOTION DETECTION USING PING BASED AND MULTIPLE APERTURE DOPPLER ULTRASOUND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:61/565796 :01/12/2011 :U.S.A.	(71)Name of Applicant:  1)MAUI IMAGING INC.  Address of Applicant: 256 Gibraltar Drive Suite 107  Sunnyvale CA 94089 U.S.A.  (72)Name of Inventor:  1)SPECHT Donald F.  2)BREWER Kenneth D.  3)SMITH David M.  4)CALL Josef R.  5)LE Viet Nam
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	6)RITZI Bruce R.

#### (57) Abstract:

A method of full field or ping based Doppler ultrasound imaging allows for detection of Doppler signals indicating moving reflectors at any point in an imaging field without the need to pre define range gates. In various embodiments such whole field Doppler imaging methods may include transmitting a Doppler ping from a transmit aperture receiving echoes of the Doppler ping with one or more separate receive apertures detecting Doppler signals and determining the speed of moving reflectors. In some embodiments the system also provides the ability to determine the direction of motion by solving a set of simultaneous equations based on echo data received by multiple receive apertures.

No. of Pages: 76 No. of Claims: 57

(19) INDIA

(22) Date of filing of Application :03/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DOOR LOCK APPARATUS

(51) International classification	:E05B65/20,B60J5/00	(71)Name of Applicant:
(31) Priority Document No	:2011-240137	1)AISIN SEIKI KABUSHIKI KAISHA
(32) Priority Date	:01/11/2011	Address of Applicant :1 Asahi machi 2 chome Kariya shi
(33) Name of priority country	:Japan	Aichi 4488650 Japan
(86) International Application No	:PCT/JP2012/077713	(72)Name of Inventor:
Filing Date	:26/10/2012	1)KONOMOTO Norio
(87) International Publication No	:WO 2013/065593	2)KATSURAYAMA Atsushi
(61) Patent of Addition to Application	:NA	3)TADA Takeshi
Number	:NA	4)YAMAGUCHI Atsushi
Filing Date	.1171	5)TANIYAMA Masashi
(62) Divisional to Application Number	:NA	6)KOJIMA Yusuke
Filing Date	:NA	

(21) Application No.3606/DELNP/2014 A

#### (57) Abstract:

Provided is a door lock apparatus capable of raising lock lever assembly workability. [Solution] In a door lock apparatus according to the present invention when a lock lever is assembled with a first case split body the lock lever is assembled at a waiting position which does not receive a biasing force from an elastic member and is maintained at the waiting position by the elastic member and a combination guide. In a process in which the first case split body is combined with a second case split body a stopper guide which is disposed at a tip portion of a cylindrical stopper protruding portion comes into sliding contact with an opening edge of an arc hole of the lock lever and rotates the lock lever while pressing the lock lever toward the elastic member so that the lock lever is moved from the waiting position to a lock position or an unlock position.

No. of Pages: 48 No. of Claims: 5

(21) Application No.3936/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ROTARY ENGINE AND PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/11/2012 :WO 2013/072913 :NA :NA	(71)Name of Applicant:  1)ZETTNER Michael Address of Applicant: Post Office Box 1178 70800 00 Gan Yavne Israel (72)Name of Inventor: 1)ZETTNER Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention is a rotary engine comprised of at least one and usually a plurality of independent partial engines. Two different processes can be carried out in each independent partial engine both of which are used to operate the engines. The processes of the invention are basically two different and separate closed cycle processes that can both operate within the same geometric confinement i.e. the same expansion chamber or expansion chambers at the same time. The primary process performs the main function of converting heat to kinetic energy and is necessary in all engines of the invention. It is a unique process that uses the expansion of gases and also the contraction of the condensing gases after their expansion. The secondary process is needed for start up and to provide additional power in case the engine might go into a stall. In most engines of the invention both processes are needed to operate the engine.

No. of Pages: 43 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :09/05/2014

(21) Application No.3816/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ELECTRIC MOTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H02K7/08 :102011087083.0	(71)Name of Applicant: 1)ROBERT BOSCH GMBH
(32) Priority Date	:25/11/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/069033	(72)Name of Inventor:
Filing Date	:27/09/2012	1)MICKE Marc
(87) International Publication No	:WO 2013/075868	2)FELLMETH Reiner
(61) Patent of Addition to Application	:NA	3)KLEIN Stefan
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an electric motor (1) having an armature shaft (10) which is mounted in at least one floating bearing (12) wherein the floating bearing (12) comprises a bearing inner ring (12.1) which is arranged on the armature shaft (10) and a bearing outer ring (12.2) which is accommodated in a bearing seat (14) and a fluid pump for a vehicle fluid system having such an electric motor (1). According to the invention lubricant is provided between the drive shaft (10) and the bearing inner ring (12.1) which lubricant forms a hydrodynamic lubricant film (16) and generates a constant relative movement between the drive shaft (10) and the bearing inner ring (12.1).

No. of Pages: 11 No. of Claims: 6

(21) Application No.3817/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD FOR OPERATING A SEPARATELY EXCITED ELECTRIC MACHINE IN A MOTOR **VEHICLE**

(51) International classification	:H02P9/30,H02J7/14	(71)Name of Applicant:
(31) Priority Document No	:10 2011 087 523.9	1)ROBERT BOSCH GMBH
(32) Priority Date	:01/12/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/072466	(72)Name of Inventor:
Filing Date	:13/11/2012	1)DEAK Istvan
(87) International Publication No	:WO 2013/079314	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		<u>'</u>

#### (57) Abstract:

The invention relates to method for operating a separately excited electric machine in particular a generator of a motor vehicle wherein an exciting current having a nominal amperage (N) is applied to a rotor winding of the electric machine in normal operation and an exciting current having a holding amperage (H) is applied to the rotor winding of the electric machine in idle operation wherein the holding amperage is greater than zero and is less than the nominal amperage.

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

(21) Application No.3818/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

# (54) Title of the invention : SPRING EQUIPPED MEMBER FOR GUIDING A DISC BRAKE PAD AND DISC BRAKE PROVIDED WITH SUCH GUIDING MEMBERS

(51) International classification :F16D55/226,F16D65/097 (71)Name of Applicant:

(31) Priority Document No :1103876 (32) Priority Date :15/12/2011 (33) Name of priority country :France

(86) International Application No :PCT/EP2012/075602

Filing Date :14/12/2012 (87) International Publication No :WO 2013/087868

(61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA (72)Name of Inventor: 1)BERNARD Simon 2)MERRIEN Sandra

Germany

3)MAHOUDEAUX Roger

#### (57) Abstract:

Filing Date

The invention relates to a member (4) for guiding a disc brake pad that is secured by the lugs thereof in the housing of the arms of the brake calliper. The member (4) comprises a body having a U shaped section formed by an inner radial surface (42) a base (41) and an outer radial surface (43) disposed in the housing in the arm. The inner side of the body is bordered by an inner front supporting surface (49) disposed against the inner surface of the arm and an outer front supporting surface (44) disposed against the front of the stud to which the member (4) is secured. The aforementioned surface (44) extends into a hairpin damper spring (45) extending towards the front and bordered on each side by a tongue (46) said tongues forming side end stops on each side of the stud. The body (40) comprises a tongue (6) that extends beyond the edge of the body in order to be hooked in the housing and to fully lock the member (4) in the arm of the yoke.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: DEVICE FOR COOLING A METERING VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(22) Principped to Application Number</li> </ul>	:08/11/2012 :WO 2013/075950 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)KIONTKE Martin  2)WINKLER Jochen
- 10	:NA :NA	
Filing Date	:NA	

(21) Application No.3819/DELNP/2014 A

## (57) Abstract:

The invention relates to a metering module (10) including a metering valve (12). The metering module further includes a cooling device through which a cooling fluid flows. Said cooling device comprises a first chamber (26) that has a cooling fluid inlet (42). The metering valve (12) has an additional cooling member (36) containing a second chamber (52) which is hydraulically connected to the first chamber (26) via at least one opening (50).

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

(21) Application No.3940/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: INJECTOR TIP FOR AN OCULAR LENS INJECTOR DEVICE DEVICE WITH AN INJECTOR TIP AND AN OCULAR LENS AS WELL AS OCULAR LENS INJECTOR DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F2/16 :1121372.5 :22/11/2011 :U.K. :PCT/EP2012/073080 :20/11/2012 :WO 2013/076067 :NA :NA :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)RATHERT Brian
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## (57) Abstract:

The invention concerns an injector tip (7) for an ocular lens injector device (1) the injector tip having an injection duct (16) with a front (9) and a rear end (8) and being bounded by an inner wall (17) wherein at the inner wall (17) an inwardly extending step (18) is formed only along part of the entire length between the front (9) and the rear end (8) of the injection duct (16) and ends at a distance from the front end (9) of the injection duct (16). The invention also relates to an ocular lens injector device (1) with an injector tip (7).

No. of Pages: 34 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POLYMERIC BLENDS AND METHODS OF USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08L23/04 :61/560519 :16/11/2011 :U.S.A. :PCT/US2012/062588 :30/10/2012 :WO 2013/074287 :NA :NA :NA	(71)Name of Applicant:  1)CHEVRON PHILLIPS CHEMICAL COMPANY LP Address of Applicant:10001 Six Pines Drive The Woodlands Texas 77380 U.S.A. (72)Name of Inventor: 1)LANDRY JR. Darrell W. 2)FREY Kelly R.
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(21) Application No.3925/DELNP/2014 A

#### (57) Abstract:

A composition comprising a low density polyethylene (LDPE) and a metallocene catalyzed linear low density polyethylene (mLLDPE) wherein the composition when extruded as a molten resin displays a neck in value that is about equal to or increased by less than about 10 % of the neck in value observed when using the LDPE alone. A method comprising blending a LDPE and a mLLDPE of this disclosure to form a polymer blend having a miscibility factor of 1; extruding the polymer blend onto a substrate wherein the extruded polymer blend has a neck in that is about equal to or increased by less than about 10 % of the neck in value observed when using the LDPE alone and wherein an amount of trim waste produced is equal to or about 10% less trim waste than the amount of trim waste produced when utilizing an extrusion coating using LDPE alone.

No. of Pages: 19 No. of Claims: 20

(21) Application No.3926/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

:NA

:NA

# (54) Title of the invention : WIRELESS TRANSMISSION DEVICE FAILURE INFORMATION FORWARDING METHOD AND FAILURE INFORMATION NOTIFICATION METHOD

(51) International classification :H04W24/04,H04L29/14 (71)Name of Applicant : (31) Priority Document No 1)NEC CORPORATION :2011-247377 (32) Priority Date :11/11/2011 Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo (33) Name of priority country 1088001 Japan :Japan (86) International Application No :PCT/JP2012/078713 (72)Name of Inventor: Filing Date 1)MUKOUYAMA Motohiro :06/11/2012 (87) International Publication No :WO 2013/069629 (61) Patent of Addition to Application :NA Number :NA Filing Date

# (57) Abstract:

Filing Date

A wireless transmission device houses a plurality of wireless transmission channels including a first and a second wireless transmission channel. The wireless transmission device is provided with: a wireless signal transmitting/receiving unit having a first wireless port for transmitting/receiving a wireless signal to/from a first transmission device using the first wireless transmission channel and a second wireless port for transmitting/receiving a wireless signal to/from a second transmission device using the second wireless transmission channel; and a control unit for notifying the second transmission device of a failure by using the second wireless transmission channel when a failure pertaining to the first wireless port arises.

No. of Pages: 59 No. of Claims: 6

(62) Divisional to Application Number

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: DATUM TRANSFER

(51) International

:B23Q41/02,B29C45/42,B29C33/44

classification

(31) Priority Document No :1118981.8

(32) Priority Date

:03/11/2011

(33) Name of priority country: U.K.

(86) International Application :PCT/DK2012/050404

Filing Date

:02/11/2012

(87) International Publication :WO 2013/064156

No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application:NA Number :NA

Filing Date

(71)Name of Applicant:

1) VESTAS WIND SYSTEMS A/S

(21) Application No.3927/DELNP/2014 A

Address of Applicant : Hedeager 44 DK 8200 Aarhus N

Denmark

(72)Name of Inventor:

1)SANDERCOCK Stephen

2)SMITH Jonathan

(57) Abstract:

A method and apparatus for transferring a workpiece such as a large wind turbine component in datum alignment between tools during a manufacturing process is described. The workpiece is transferred from a first tool to a second tool and the method comprises arranging a support structure in datum registration with the first tool; attaching the workpiece to the support structure; releasing the workpiece from the first tool; arranging the support structure in datum registration with the second tool and such that the workpiece is supported by the second tool; and releasing the workpiece from the support structure. Arranging the support structure in datum registration with the first and second tools ensures correct alignment of the workpiece with respect to the second tool. The invention eliminates the requirement to provide datum features on the workpiece itself. In preferred examples the workpiece is attached to the support structure by means of vacuum.

No. of Pages: 31 No. of Claims: 42

(21) Application No.3944/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODOLOGY FOR DETECTING A CONDUCTIVE STRUCTURE

#### (57) Abstract:

Various embodiments include apparatus and methods to detect and locate conductive structures below the earth's surface. Tools can be configured with receiving sensors arranged to receive signals generated from a conductive structure in response to a current flowing on the conductive structure. Magnetic related values from the signals can be processed relative to the tool to determine a position of a conductive structure from which the signal was generated in response to current flowing on the conductive structure. Additional apparatus systems and methods are disclosed.

No. of Pages: 31 No. of Claims: 24

(21) Application No.3922/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: LUGGAGE FRAME

(51) International classification :A45C5/14,A45C13/02,A45C5/02 (71)Name of Applicant:

:07/09/2012

(31) Priority Document No :61/560109 (32) Priority Date :15/11/2011

(33) Name of priority country :U.S.A.

(86) International Application :PCT/EP2012/067502

Filing Date

(87) International Publication :WO 2013/072086

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)SAMSONITE IP HOLDINGS S. R.L. Address of Applicant: 13 15 avenue de la Libert L 1931 Luxembourg Luxembourg (72)Name of Inventor:

1)YONENO Kenzo

2)MEERSSCHAERT Reinhard

A piece of luggage (100, 298) may include front, rear, top, bottom, right, and left sides or faces (102, 104, 106, 108, 110, 1 12) that define an enclosed space. The enclosed space may be divided into one or more compartments. The luggage piece may further in clude at least one zipper (124) to access the enclosed space. The at least one zipper may include a zipper track (132), at least one zipper slider (134), and at least one zipper tab (136). The luggage piece may further include a frame (138, 300) that generally defines the shape of the luggage piece. The frame may include upper and lower bodies (140, 142, 144, 146, 302, 304) that are joined together by elongated structural members (148, 150, 306), such as pultrusions or closed wire loops. The upper bodies may substantially define the top side of the luggage piece, and the lower bodies may substantially define the bot tom side of the luggage piece. The upper and lower bodies may be molded, hard bodies.

No. of Pages: 56 No. of Claims: 16

(21) Application No.3953/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: COMBINATION FORMULATION OF TWO ANTIVIRAL COMPOUNDS

(51) International

:A61K9/16,A61K9/20,A61K31/501

classification

(31) Priority Document No :61/759320

(32) Priority Date (33) Name of priority country: U.S.A.

:31/01/2013

No

(86) International Application :PCT/US2014/013953

:30/01/2014 Filing Date

No

(87) International Publication :WO 2014/120981

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

Number Filing Date

(62) Divisional to Application :NA

:NA

(71)Name of Applicant:

1)GILEAD PHARMASSET LLC

Address of Applicant :333 Lakeside Drive Foster City

California 94404 U.S.A. (72)Name of Inventor:

1)CHAL Ben

2)MOGALIAN Erik

3)PAKDAMAN Rowchanak

4)OLIYAI Reza

5)STEFANIDIS Dimitrios

6)ZIA Vahid

(57) Abstract:

Disclosed are pharmaceutical compositions having an effective amount of substantially amorphous ledipasvir and an effective amount of substantially crystalline sofosbuvir.

No. of Pages: 99 No. of Claims: 67

(21) Application No.3954/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: CAPACITIVELY COUPLED COMPOUND LOOP ANTENNA

(51) International classification :H01Q5/00,H01Q7/00,H01Q9/30 (71)Name of Applicant:

(31) Priority Document No :61/556145 (32) Priority Date :04/11/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/IB2012/002884 No

:05/11/2012 Filing Date

(87) International Publication No:WO 2013/064910

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DOCKON AG

Address of Applicant: Gartenstrasse 10 CH 8002 Zurich

Switzerland

(72)Name of Inventor:

1)ORSI Rvan James

2)FOSTER Matthew Robert

3)POILASNE Gregory

## (57) Abstract:

A compound loop antenna (CPL) is described that includes a capacitively fed magnetic loop and/or a capacitively fed electric field radiator. Embodiments include single band CPL antennas and multi band CPL antennas. The CPL antennas have been reduced in physical size by capacitively feeding the loop and/or radiator. The embodiments include at least one e field radiation element that is capacitively coupled or not capacitively coupled at least one magnetic loop element that is capacitively coupled. A continuation of the magnetic loop may be continued with either a wire or a connection to a second layer.

No. of Pages: 36 No. of Claims: 27

(21) Application No.3955/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: EXTRACTOR FOR AN AEROSOL-GENERATING DEVICE

(51) International classification (31) Priority Document No	:A24F47/00 :11250907.0	(71)Name of Applicant: 1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:21/11/2011	Address of Applicant :Quai Jeanrenaud 3 CH 2000 Neuchatel
(33) Name of priority country (86) International Application No		Switzerland (72)Name of Inventor:
Filing Date (87) International Publication No	:20/11/2012 :WO 2013/076098	1)PLOJOUX Julien 2)GREIM Olivier
(61) Patent of Addition to Application Number	:NA	3)RUSCIO Dani
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided an extractor (101) for an aerosol generating device. The device is configured to receive a smoking article (201) including an aerosol forming substrate (203) and comprises a heater (115) for heating the aerosol forming substrate to form the aerosol. The extractor is for extracting a smoking article received in the aerosol generating device. The extractor comprises a sliding receptacle (105) for receiving the smoking article and a sleeve (103) for receiving the sliding receptacle. The sliding receptacle is slidable in the sleeve between a first position in which the aerosol forming substrate of the smoking article is positioned so as to be heated by the heater and a second position in which the aerosol forming substrate is substantially separated from the heater. The sliding receptacle includes a support (105b) to support the aerosol forming substrate of the smoking article as the sliding receptacle and the smoking article are being moved from the first position to the second position. There is also provided an electrically heated smoking system including such an extractor.

No. of Pages: 38 No. of Claims: 19

(21) Application No.3956/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SPRING SEAT HAVING AN INSTALLATION LAND/STEP

(51) International :B60G15/02,B60G15/06,B60G15/07 classification

(31) Priority Document No :13/314314 (32) Priority Date :08/12/2011

(33) Name of priority country: U.S.A.

(86) International :PCT/US2012/063680 Application No

:06/11/2012 Filing Date

(87) International Publication :WO 2013/085650

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)TENNECO AUTOMOTIVE OPERATING COMPANY

INC.

Address of Applicant :500 North Field Drive Lake Forest

Illinois 60045 U.S.A. (72)Name of Inventor: 1)BAKER Lynn R.

2)RAYMO Rand 3)SHAW Jason

# (57) Abstract:

A strut assembly includes a top mount assembly a shock absorber a lower spring seat and a spring extending between the top mount assembly and the lower spring seat. The lower spring seat includes an annular disc and a tubular extension extending from the annular disc. The tubular wall defines a plurality of lands or steps which define bearing surfaces which are used to press the lower spring seat onto the shock absorber

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

(43) Publication Date: 13/02/2015

(21) Application No.3774/DELNP/2014 A

(22) Date of filing of Application :09/05/2014

# (54) Title of the invention: SYSTEM FOR GUIDING A VERTICAL SHAFT OF A ROTARY MACHINE AND POWER CONVERSION EQUIPMENT INCLUDING SUCH A SYSTEM

(51) International

:F16C17/03,F16C33/08,F16C33/10

classification

(19) INDIA

(31) Priority Document No :11 59274

(32) Priority Date

:13/10/2011 (33) Name of priority country: France

(86) International Application

No

:PCT/EP2012/070287

Filing Date

:12/10/2012

(87) International Publication :WO 2013/053900

(61) Patent of Addition to

:NA :NA

:NA

Filing Date

**Application Number** 

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1)ALSTOM RENEWABLE TECHNOLOGIES

Address of Applicant :82 avenue Lon Blum F 38100 Grenoble

(72)Name of Inventor:

1)MATHIEU Alain

2)MELET Luc

3)GODEC Emmanuel

## (57) Abstract:

The invention relates to an adjustable system (150) for guiding the rotation of a shaft about a vertical axis, including skids (104), each of which is provided with a surface (1042) for forming a bearing with the shaft and, for each skid, a shim (106) provided with a cam surface (1062), the outline of which, in a plane that is radial relative to the vertical axis of rotation, is inclined (a) relative to said axis. Each skid (104) directly engages, via a portion (1046) of the outer radial surface (1044) thereof, with the cam surface (1062) of the shim (106). Equipment for converting hydraulic power into electrical power according to the invention includes a wheel that is rotatably secured to a shaft guided by such an adjustable system (150).

No. of Pages: 26 No. of Claims: 15

(21) Application No.3951/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: HAIR RESTORATION

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:A61B17/3205,A61B17/32,A61F2/10 :61/547898 :17/10/2011 :U.S.A. :PCT/US2012/060653 :17/10/2012 :WO 2013/059349 :NA :NA	(71)Name of Applicant: 1)PILOFOCUS INC. Address of Applicant:710 Park Ave New York NY 10021 U.S.A. (72)Name of Inventor: 1)WESLEY Carlos K. 2)LEWIS Trevor
* *	:NA :NA :NA	

#### (57) Abstract:

A surgical apparatus for hair removal surgery includes an extraction module a visualization component and a bridging component. The extraction module includes independently controllable coring and clipping devices. The visualization component acts to align a target hair follicle with the extraction module. The extraction module also includes at least one independently controllable suction port. The instrument also includes a dissection module having a tissue separating device.

No. of Pages: 74 No. of Claims: 15

(12) THE LITTED ENTROLLED CHILD

(21) Application No.3952/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TURBINE BLADES AND SYSTEMS WITH FORWARD BLOWING SLOTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F03D11/00 :61/548186 :17/10/2011 :U.S.A. :PCT/US2012/060690 :17/10/2012 :WO 2013/059376 :NA :NA	(71)Name of Applicant:  1)KOHANA TECHNOLOGIES INC.  Address of Applicant: 30 Richardson Avenue San Francisco CA 94123 U.S.A. (72)Name of Inventor:  1)ZUTECK Michael D.  2)ZALUSKY Leigh 3)LEES Paul
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A blade for use in a wind turbine comprises a pressure side and suction side meeting at a trailing edge and leading edge. The pressure side and suction side provide lift to the turbine blade upon the flow of air from the leading edge to the trailing edge and over the pressure side and suction side. The blade includes one or more openings at the suction side in some cases between the leading edge and the trailing edge. The one or more openings are configured to provide a pressurized fluid towards the leading edge of the blade in some cases at an angle between about 00 and 70° with respect to an axis oriented from a centerline of the blade toward the leading edge.

No. of Pages: 100 No. of Claims: 48

(21) Application No.3959/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: NON ALCOHOLIC BEER HAVING HIGH PROPORTION OF MONOSACCHARIDES AND DISACCHARIDES

:A23L2/00,A23L2/38,C12C7/04 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2011-255369 (32) Priority Date :22/11/2011

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2012/072316 Filing Date :03/09/2012

(87) International Publication No: WO 2013/077056

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SUNTORY HOLDINGS LIMITED

Address of Applicant: 1 40 Dojimahama 2 chome Kita ku

Osaka shi Osaka 5308203 Japan

(72)Name of Inventor: 1)TERANISHI Takeshi 2)MOTOHASHI Itsuki

## (57) Abstract:

The purpose of the present invention is to provide a low carbohydrate low calorie non alcoholic beer with a crisp taste. Provided is a non alcoholic beer wherein the total extract content falls within a specific range said non alcoholic beer also containing a specific composition of monosaccharides disaccharides and trisaccharides.

No. of Pages: 31 No. of Claims: 20

(21) Application No.3960/DELNP/2014 A

Address of Applicant : Quickbornstrae 24 20253 Hamburg

(71)Name of Applicant:

(72)Name of Inventor:

1)DOLLASE Thilo

3)BAI Minyoung

2)KRAWINKEL Thorsten

1)TESA SE

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: ADHESIVE SUBSTANCE IN PARTICULAR FOR ENCAPSULATING AN ELECTRONIC **ASSEMBLY**

(51) International :C09J153/00,C03C27/10,C09J163/00 classification

(31) Priority Document No

:10 2011 085 030.9

(32) Priority Date

:21/10/2011

(33) Name of priority country

:Germany

(86) International Application No

:PCT/EP2012/070779

Filing Date

:19/10/2012

(87) International Publication No

:WO 2013/057265

(61) Patent of Addition to

:NA

**Application Number** Filing Date (62) Divisional to

:NA :NA

**Application Number** Filing Date

:NA

# (57) Abstract:

The invention relates to an adhesive substance in particular for encapsulating an electronic assembly against permeates said substance comprising: (a) at least one copolymer containing at least isobutene or butene as comonomer types and at least one comonomer type which when regarded as a hypothetical homopolymer has a softening temperature greater than 40°C; (b) at least one type of an at least partially hydrogenated adhesive resin; (c) at least one cyclic ether based type of reactive resin with a softening temperature less than 40 °C preferably less than 20°C; and (d) at least one type of photoinitiator for initiating cationic curing.

No. of Pages: 56 No. of Claims: 24

(21) Application No.3891/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: NON RETURN VALVE

(51) International

:F16K15/02,F16K15/04,F16K15/06

classification

:10 2011 120 628.4

(31) Priority Document No

:09/12/2011

(32) Priority Date (33) Name of priority country: Germany

(86) International Application :PCT/IB2012/002837

Filing Date

:30/11/2012

(87) International Publication

:WO 2013/084063

No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)ILLINOIS TOOL WORKS INC.

Address of Applicant :3600 West Lake Avenue Glenview

Illinois 60026 U.S.A. (72)Name of Inventor:

1)MAIBAUM Mike

2)HAPPICH Johannes

The invention relates to a non return valve with a valve sleeve (42) comprising a valve seat (38) and a flow opening and a sealing body (10) moveable in the valve sleeve comprising a bulged sealing face (34) wherein the bulged sealing face is arranged at a head end of the sealing body and the non return valve comprises guiding means for the axial guidance of the sealing body in the valve sleeve so that the sealing face always faces the valve seat and a locking element (46) is inserted into the valve sleeve through the flow opening and is fixed therein so that the locking element restricts the movement of the sealing body in the valve sleeve.

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

(21) Application No.3892/DELNP/2014 A

1)GC TECHNOLOGY LIMITED

(72)Name of Inventor: 1)WOODE Martin

Address of Applicant :BRITANNIC HOUSE

PROVIDENCIALES Turks and Caicos Islands

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: INTERCONNECTED SYSTEM AND METHOD FOR THE PURIFICATION AND RECOVERY OF **POTASH**

(51) International classification :C05D1/00,C01D7/00,C05D1/02 (71) Name of Applicant:

(31) Priority Document No (32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No:PCT/IB2011/055160

Filing Date :17/11/2011 (87) International Publication No: WO 2013/072722

(61) Patent of Addition to :NA Application Number :NA

(62) Divisional to Application :NA Number :NA

Filing Date

water when the temperature in the central combustion chamber approaches 600 °C.

Filing Date

(57) Abstract: The present invention provides a kiln for the combustion of agricultural waste. The kiln includes a central cylindrical combustion chamber. The central cylindrical combustion chamber includes a system for the control of combustion air to the combustion chamber. The kiln includes a second concentric cylinder surrounding the central cylindrical combustion chamber. The second concentric cylinder includes a system for the flow of cooling water through the first annulus between the central cylindrical combustion chamber and the second concentric cylinder. The kiln includes a system for the feeding of the agricultural waste into the central combustion chamber. The kiln includes a temperature sensing device to measure and display the temperature within the central combustion chamber during the combustion of the agricultural waste. The kiln includes a system for the recovery of ash from the kiln In operation the temperature of combustion is controlled to between 550 °C and 650 °C by a combination of increasing the supply of

combustion air when the temperature in the central combustion chamber falls to near 550 °C and the introduction of cooling flowing

No. of Pages: 28 No. of Claims: 20

(21) Application No.3893/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PAPER BASED DIAGNOSTIC TEST

(51) International classification :G01N33/52,G01N33/49,G01N30/02 (31) Priority Document No :61/558,009

(32) Priority Date :10/11/2011 (33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2012/064856

Filing Date (87) International

Publication No :WO 2013/071301

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)THE ADMINISTRATORS OF THE TULANE

EDUCATIONAL FUND

Address of Applicant: 1430 Tulane Avenue Mail Stop TB 32

New Orleans LA 70112 U.S.A.

(72)Name of Inventor:

1)SHEVKOPLYAS Sergy S.

2)YANG Xiaoxi

3)WASHKO Julie Kanter 4)PIETY Nathaniel Zane

# (57) Abstract:

A device utilizing agglutination and its method of use to diagnose diseases or conditions. The diagnostic device may comprise a substrate having pores an agglutination zone and a test readout zone wherein said agglutination zone is functionalized with an agglutinating agent to cause agglutination of the sample.

No. of Pages: 40 No. of Claims: 57

(21) Application No.3894/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: MARKED COATING COMPOSITION AND METHOD FOR ITS AUTHENTICATION

(33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2012/073820 (72) Name of Inventor :	<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:11009457.0 :30/11/2011 :EPO	(71)Name of Applicant: 1)SICPA HOLDING SA Address of Applicant: Avenue de Florissant 41 CH 1008 Prilly Switzerland
Filing Date :28/11/2012   1)NOUZILLE Eric (87) International Publication No :WO 2013/079521   2)DEMANGE Raynald			· · ·
(61) Patent of Addition to Application  (NA  (87) International Fublication No NA (19321 2) DEMANGE Raynald 3) DEGOTT Pierre	` /	ication	·
Number	- 101-1-0 0-1	*	
Filing Date (62) Divisional to Application Number :NA	e e	Number :NA	
Filing Date :NA	. ,		

#### (57) Abstract:

This invention relates to the field of authentication of coating compositions such as varnishes inks and paints and it is particularly useful in the field of authentication of such coating compositions when applied to substrates like banknotes or other valuable documents. It is particularly directed to a marked coating composition e.g. an ink that is marked with a marker (taggant) such as to allow for its authentication and a method for authenticating such a marked coating composition. The marking is achieved by covalently binding a taggant to a coating composition component e.g. such used for security documents. The taggant which is not extractable through usual chemical treatments like washing methods or the use of solvents can be detected and identified upon thermally induced chemical fragmentation with a PY-GC-MS apparatus. The marked ink or the marked substrate is thus authenticated as belonging to a particularly marked ink varnish or batch.

No. of Pages: 56 No. of Claims: 18

(21) Application No.3846/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: BACTERIA AND METHOD FOR SYNTHESIZING FATTY ACIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/548005 :17/10/2011 :U.S.A.	(71)Name of Applicant:  1)WILLIAM MARSH RICE UNIVERSITY Address of Applicant:6100 Main Street Houston TX 77251 U.S.A. (72)Name of Inventor: 1)SAN Ka yiu 2)LI Mai
` ' 11	:NA	
Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a process for increasing the production of free fatty acids at high yield (close to maximum theoretical yield), with various fatty acid compositions and various percentage of fatty acids accumulated intracellularly. This invention will enable the efficient production of other products derived from free fatty acids and/or products that can be branched out from the fatty acid synthesis pathways.

No. of Pages: 30 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TRIPOD TYPE CONSTANT VELOCITY UNIVERSAL JOINT AND METHOD FOR PRODUCING SAME

(51) International classification: F16D3/205,B24B19/08,F16D3/20 (71) Name of Applicant: (31) Priority Document No 1)NTN CORPORATION :2011259180 (32) Priority Date Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku :28/11/2011 (33) Name of priority country Osaka shi Osaka 5500003 Japan :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/078608 1)MIAO Jiahua :05/11/2012 2)MAKINO Shunsuke Filing Date (87) International Publication 3)MURAKAMI Hiroshi :WO 2013/080751 No 4)ITAGAKI Taku (61) Patent of Addition to 5)ADACHI Hiroshi :NA **Application Number** 6)IKKI Makoto :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A tripod type constant velocity universal joint comprising: an outer joint member (2) on which are formed three track grooves (5) having roller guide surfaces (6) arranged facing the circumferential direction; a tripod member (3) provided with three leg shafts (7) projecting in the radial direction; and a roller unit (4) provided with a roller (11) and an inner ring (12) for rotatably supporting the roller (11) the inner ring (12) being fitted onto the leg shafts (7) and the roller (11) being adapted to be movable along the roller guide surfaces (6) of the track grooves (5). The cross section of the leg shafts (7) orthogonal to an axis (O) has a substantially arcuate portion an outer peripheral surface of the leg shafts (7) is in contact with an inner peripheral surface (12a) of the inner ring (12) is formed in the axial direction of the joint. The tripod type constant velocity universal joint is characterized in that an outer peripheral surface portion (7a) of the leg shafts (7) in contact with the inner peripheral surface (12a) of the inner ring (12) is finished by polishing and a polished recess (17) is formed at an end of the outer peripheral surface portion (7a) in the peripheral direction.

No. of Pages: 49 No. of Claims: 9

(21) Application No.3971/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: COATING APPARATUS AND METHOD FOR FORMING A COATING LAYER ON MONOLITH **SUBSTRATES**

(51) International classification :B05C7/04,B05D7/22,B05C3/20 (71) Name of Applicant:

(31) Priority Document No :13/293726 (32) Priority Date :10/11/2011

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/063284 Filing Date

:02/11/2012 (87) International Publication No: WO 2013/070519

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor: 1)CLINTON Joel Edward 2) FEKETY Curtis Robert

3)GU Yunfeng

### (57) Abstract:

A coating apparatus includes modular interfaces and substrate receptors for accommodating various shapes and sizes of monolith substrates when coating layers are applied onto the monolith substrates. The monolith substrates are laterally surrounded by an elastically deformable sleeve that prevents lateral leakage of a vacuum out of the monolith substrate when a vacuum is applied to opposing ends of the monolith substrate thereby eliminating needs for bulky vacuum chambers. The coating apparatus also includes valves and control apparatus that enable excess precursor liquid to be drained from monolith channels in situ without the use of additional spin drying steps. Coating methods for using the coating apparatus are provided.

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

(21) Application No.3973/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ADMINISTRATION OF NEDD8 ACTIVATING ENZYME INHIBITOR AND HYPOMETHYLATING AGENT

(51) International (71)Name of Applicant: : A61K31/706, A61P35/00, A61P35/02classification 1)MILLENNIUM PHARMACEUTICALS INC. (31) Priority Document No :61/555049 Address of Applicant :40 Landsdowne Street Cambridge (32) Priority Date Massachusetts 02139 U.S.A. :03/11/2011 (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)SMITH Peter G. (86) International :PCT/US2012/063382 Application No :02/11/2012 Filing Date (87) International

:WO 2013/067396

:NA

:NA

:NA

:NA

(57) Abstract:

Publication No

(61) Patent of Addition to

**Application Number** 

Filing Date (62) Divisional to

**Application Number** 

Filing Date

The present disclosure relates to methods for the treatment of cancer in patients in recognized need of such treatment. The methods comprise administering to such a patient an NAE inhibitor or a pharmaceutically acceptable salt thereof, such as ((IS,2S,4R)-4-(4-((IS)-2,3-dihydro-IH-inden-1-ylamino)-7H-pyrrolo[2,3 d]pyrimidin 7-yl)-2-hydroxycyclopentyl)methyl sulfamate (MLN4924) or {(IS,2S,4R)-4-[(6-{[(IR,2S)-5-chloro-2 methoxy-2,3-dmydro-IH-mden-1-yl]amino}pyrimidin-4-yl)oxy]-2-hydroxycyclopentyl} - methyl sulfamate (1-216), and a hypomethylating agent or a pharmaceutically acceptable salt thereof, such as azacitidine or decitabine. Also disclosed are medicaments for use in the treatment of cancer.

No. of Pages: 41 No. of Claims: 32

(21) Application No.3932/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AQUEOUS ORAL CARE COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>Filing Date</li> </ul>	:A61K8/43,A61K8/44,A61K8/73 :NA :NA :NA :PCT/US2011/065125 :15/12/2011 D:WO 2013/089734 :NA :NA	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)PIMENTA Paloma 2)MIKSA Davide 3)PILCH Shira 4)REGE Aarti 5)SULLIVAN Richard
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# (57) Abstract:

Described herein are aqueous oral care compositions comprising (a) an effective amount of a basic amino acid in free or orally acceptable salt form; and (b) a polymer system comprising (i) a cellulosic polymer (ii) a gum polymer and (iii) a polyacrylate polymer or co polymer; and methods of making and using the same.

No. of Pages: 21 No. of Claims: 24

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROPYLENE RANDOM COPOLYMER

(51) International classification	:C08F210/06,C08F4/651	(71)Name of Applicant:
(31) Priority Document No	:11196169.4	1)BOREALIS AG
(32) Priority Date	:30/12/2011	Address of Applicant :IZD Tower Wagramerstrae 17 19 A
(33) Name of priority country	:EPO	1220 Vienna Austria
(86) International Application No	:PCT/EP2012/076118	(72)Name of Inventor:
Filing Date	:19/12/2012	1)VIRKKUNEN Ville
(87) International Publication No	:WO 2013/098150	2)VESTBERG Torvald
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3933/DELNP/2014 A

(57) Abstract:

Propylene random copolymers with low randomness and being free of from catalyst originating phthalates.

No. of Pages: 58 No. of Claims: 15

(21) Application No.3934/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DUAL FUNCTION PARTIAL OXIDATION CATALYST FOR PROPANE TO ACRYLIC ACID CONVERSION AND A PROCESS OF MAKING THEREOF

(51) International :B01J23/652,C07C51/215,C07C51/25

classification (31) Priority Document No :13/310693

(31) Priority Document No :13/310693 (32) Priority Date :02/12/2011

(33) Name of priority :U.S.A.

country (86) International

Application No :PCT/US2012/067422

Filing Date :30/11/2012

(87) International Publication No :WO 2013/082514

(61) Patent of Addition to

Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date

:NA
:NA
:NA

(71)Name of Applicant:

1)SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant : P.O. Box 5101 Riyadh 11422 Saudi

Arabia

(72)Name of Inventor:

1)HAZIN Paulette

## (57) Abstract:

Catalyst compositions including a compound of the following general formula (I): Mo Va NbbPt cMdZe Ox (I) a is a number having a value between about 0.15 and about 0.50, b is a number having a value between about 0.05 and about 0.30, c is a number having a value between about 0.001 and about 0.10, d is a number having a value between about 0.0 and about 0.35, e is a number having a value between about 0 and about 0.10, M is one or more elements selected from the group consisting of Ag, Te, and Sb, and Z is one or more element selected from Ru, Mn, Sc, Ti, Cr, Fe, Co, Ni, Cu, Zn, Ga, Y, Zr, Rh, Pd, In, Ce, Pr, Nd, Sm, Tb, Ta, W, Re, Ir, Au, Pb, B, and mixtures thereof.

No. of Pages: 53 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NON ALCOHOLIC BEER WITH IMPROVED AFTERTASTE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:2011-254874 :22/11/2011 :Japan	(71)Name of Applicant:  1)SUNTORY HOLDINGS LIMITED  Address of Applicant: 1 40 Dojimahama 2 chome Kita ku Osaka shi Osaka 5308203 Japan (72)Name of Inventor:  1)TERANISHI Takeshi 2)MOTOHASHI Itsuki
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(21) Application No.3935/DELNP/2014 A

### (57) Abstract:

The purpose of the present invention is to provide a low carbohydrate low calorie non alcoholic beer with a less unpleasant aftertaste. Provided is a non alcoholic beer, the alpha-acid content and total extract content of which fall within specific ranges.

No. of Pages: 27 No. of Claims: 23

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: VEHICLE SEAT PROVIDED WITH A REMOVABLE TRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:1160412 :16/11/2011 :France	(71)Name of Applicant: 1)RENAULT SAS Address of Applicant:13 15 quai le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)ROUXEL Yves 2)FOLLIOT Herve
. ,	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3978/DELNP/2014 A

#### (57) Abstract:

(19) INDIA

The invention relates to a motor vehicle seat (1) comprising a seat part (2) and a foldable seatback (3) comprising a rear face (8) provided with a tray (9) the seatback (3) being capable of being folded onto the seat part (2) in such a way as to bring the rear face thereof into a substantially horizontal position. The main technical feature of a seat according to the invention is that the tray (9) is affixed against the rear face of the seatback (3) and is held against said face by means of a locking mechanism provided with an actuating member (20) and a pressure exerted on said actuating member (20) releases the tray (9) such that said tray can be removed from the seatback (3).

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

(19) INDIA

(22) Date of filing of Application :16/05/2014

(21) Application No.3979/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: FLOATING SEAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16J15/34 :2012-179492 :13/08/2012 :Japan :PCT/JP2012/074903 :27/09/2012 :WO 2014/027426 :NA :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)NISHIOKA Masato
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### (57) Abstract:

This floating seal is a floating seal material comprising C, Si, Mn, Ni, Cr, Mo, V, and B, the remainder being Fe and unavoidable impurities. The content of C, Si, Mn, Ni, Cr, Mo, V, and B is as follows: C: 2.2-3.9 wt%; Si: 0.5-3.5 wt%; Mn: 0.1-2.0 wt%; Ni: 0.5-4.3 wt%; Cr: 7.5-25.0 wt%; Mo: 0-8.0 wt% (excluding 0); V: 0 6.0 wt% (excluding 0); and B: 0.02-0.4 wt%. The content of Cr in the parent phase is 2.00-5.41 wt%. The content of graphite is 0.05-0.35 area%. The content of carboboride is 19-40 area%.

No. of Pages: 22 No. of Claims: 2

(21) Application No.3945/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A METHOD FOR MANAGING PUBLIC AND PRIVATE DATA INPUT AT A DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G06F21/04 :11290523.7 :14/11/2011 :EPO :PCT/EP2012/071227 :26/10/2012 :WO 2013/072177 :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)ST ERICSSON SA Address of Applicant: Chemin du Champ des Filles 39 CH</li> <li>1228 Plan les Ouates Switzerland</li> <li>(72)Name of Inventor:</li> <li>1)SIBERT Herv</li> <li>2)ANQUET Nicolas</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>		· · · · · · · · · · · · · · · · · · ·
Number Filing Date ((2) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

It is proposed a method for managing public and private data input at a device the device comprising: -a data-input peripheral; -an open environment, -a secure environment, -a controller connected to the data-input peripheral, and the method comprises the steps of: -receiving at the controller data input at the data input peripheral, -determining at the controller whether received data comprises private data, -if received data comprises private data, causing the controller to provide the secured environment with a secured access to the private data the controller causing the secure environment to access the private data by sending operative data to the secure environment via the open environment. This method enables to send both operative and public data to the open environment with a minimum risk from the security point of view.

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

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43)

(21) Application No.3947/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: VERTICAL PUMPING APPARATUS AND METHOD FOR DISTRIBUTION MERCURY IN A PUMPING AND LAMP GAS FILLING PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H01J9/38 :1151039-3 :04/11/2011 :Sweden :PCT/SE2012/051193 :01/11/2012 :WO 2013/100842 :NA	(71)Name of Applicant:  1)AURALIGHT INTERNATIONAL AB Address of Applicant: Box 508 S 371 23 Karlskrona Sweden (72)Name of Inventor: 1)PETERSSON Tommy 2)MRTENSSON Hans
(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 of and a vertical pumping device (1) for internally distributing Hg in a fluorescent tube body (3). The bottom (7) of the fluorescent tube body (3) is closed. The device (1) arranges in a first position a first solid body (9) comprising a predetermined first amount of bound Hg. The device (1) arranges in a second position a second solid body (9) comprising a predetermined second amount of bound Hg. A first release (E1) of the first amount of Hg is achieved in the fluorescent tube body (3) by gasification with heat and under pressure for purification of contaminant particles in the fluorescent tube body. A second release (E2) of the second amount of Hg is achieved in the fluorescent tube body (3) by gasification attained for the occluded mercury vapour of the fluorescent tube body (3).

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

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: METHOD OF FORMING SELF ALIGNED CONTACTS AND LOCAL INTERCONNECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01L21/768 :13/295,574 :14/11/2011 :U.S.A. :PCT/US2012/062959 :01/11/2012 :WO 2013/081767 :NA :NA	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES INC.  Address of Applicant: One AMD Place P.O. Box 3453  Sunnyvale California 94088 U.S.A.  (72)Name of Inventor:  1)SCHULTZ Richard T.
(62) Divisional to Application Number Filing Date	:NA :NA	
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#### (57) Abstract:

A semiconductor device fabrication process includes forming insulating mandrels over replacement metal gates on a semiconductor substrate with first gates (104) having sources and drains and at least one second gate (104) being isolated from the first gates. Mandrel spacers (124) are formed around each insulating mandrel. The mandrels and mandrel spacers include a first insulating material. A second insulating layer (126) of a second insulating material is formed over the transistor. One or more first trenches are formed to the sources and drains of the first gates by removing the second insulating material between the insulating mandrels. A second trench is formed to the second gate by removing portions of the first and second insulating materials above the second gate. The first trenches and the second trench are filled with conductive material to form first contacts (132) to the sources and drains of the first gates and a second contact (142) to the second gate.

No. of Pages: 47 No. of Claims: 24

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: METHOD FOR PREVENTING UNAUTHORIZED DIVERSION OF NFC TAGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06K19/077 :61/698839 :10/09/2012 :U.S.A. :PCT/US2013/031136 :14/03/2013 :WO 2014/039089 :NA :NA :NA	(71)Name of Applicant:  1)AVERY DENNISON CORPORATION Address of Applicant: 150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)FORSTER Ian J. 2)FARR Adrian N.
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(21) Application No.3985/DELNP/2014 A

#### (57) Abstract:

A method system and apparatus for pairing authorized NFC enabled RFID devices with an intended object or product. The method system and apparatus can include a primary RFID with a radio frequency identification chip a coil antenna a bridge and a substrate; an association of the at least primary RFID device with an object; an integration of a material into one of the at least primary RFID device and the object that provides the RFID device with a predetermined resonant frequency; and the detuning of one or more secondary communication devices located proximate the RFID device.

No. of Pages: 19 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :16/05/2014

(21) Application No.3963/DELNP/2014 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: VEHICLE ENGINE STARTING DEVICE

(51) International classification :F16H63/34,F02N15/00,F02N15/02

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/JP2011/076586

Filing Date :17/11/2011

(87) International Publication :WO 2013/073043

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application :NA
Number :NA
Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

Japan

(72)Name of Inventor : 1)MORISE Masaru 2)OITA Shinji

(57) Abstract:

Provided is a vehicle engine starting device that shares an electric motor and reduces the number of electric motors inside the engine room. When an engine (10) is started a first pinion (26a) is moved by an actuator device (28) to an engaging position and the engine (10) is started by a starter motor (26). When the first pinion (26a) is moved to a non engaging position by the actuator device (28) a manual shaft (30a) is driven by the starter motor (26) from either a rotation permitting position or a parking position to the other position. Thus by the alternate operation of the starting of the engine (10) and the switching of the manual shaft (30a) from either the rotation permitting position or the parking position to the other position the engine starting device (22) and the parking mechanism (30) use the same starter motor (26) as the drive source. It is thereby possible to reduce the number of electric motors in the engine room vehicle weight is reduced and the volume inside the engine room is increased.

No. of Pages: 33 No. of Claims: 5

(21) Application No.3965/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: MICROBIOCIDAL PYRAZOLE DERIVATIVES

(51) International :C07D417/04,C07D417/14,A01N43/54 classification

(31) Priority Document No:2985/DEL/2011

(32) Priority Date :18/10/2011 (33) Name of priority

:India country

(86) International

:PCT/EP2012/068019 Application No

:14/09/2012 Filing Date

(87) International :WO 2013/056911 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

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Switzerland

(72)Name of Inventor:

1)UMARYE Javant

2)BERTHON Guillaume

3)CEDERBAUM Fredrik Emil Malcolm

4)LUKSCH Torsten

5)LAMBERTH Clemens

6)SULZER MOSSE Sarah

7)KANJILAL Pranab

8)SONAWANE Ravindra

# (57) Abstract:

The present invention relates to compounds of formula (I) wherein R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, G1, G2, G3, Y1, Y2, n, and p are as defined in the claims. The invention also relates to methods of using the compounds of formula I to control or prevent infestation of plants, propagation material thereof, harvested crops or non-living materials by phytopathogenic or spoilage microorganisms or organisms potentially harmful to man.

No. of Pages: 64 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention : METHODS FOR DETECTING HUMAN PAPILLOMAVIRUS AND PROVIDING PROGNOSIS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA

(21) Application No.3966/DELNP/2014 A

(51) International classification :G01N33/574 (71)Name of Applicant: (31) Priority Document No 1)UNIVERSITY OF MIAMI :61/559974 (32) Priority Date Address of Applicant :Office of Technology Transfer Suite :15/11/2011 (33) Name of priority country 1200 1400 N.W. 10th Avenue Miami Florida 33136 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/065282 (72)Name of Inventor: Filing Date :15/11/2012 1)FRANZMANN Elizabeth (87) International Publication No :WO 2013/074793 2)PEREIRA Lutecia (61) Patent of Addition to Application 3)REIS Isildinha M. :NA Number 4)DUNCAN Robert C. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Methods and kits for diagnosing and determining prognosis of head and neck squamous cell carcinoma are described. An exemplary method for diagnosing head and neck squamous cell carcinoma (HNSCC) in a subject may comprise assaying a saliva sample from the subject for the presence of total protein solCD44 and HPV and using the combination of total protein HPV and CD44 levels in a multivariate analysis to determine a combined score whereby an increase in score above a cut off point distinguishes subjects with HNSCC or an elevated risk of future occurrence thereof.

No. of Pages: 40 No. of Claims: 13

(21) Application No.3967/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SUBSTITUTED BIARYL ALKYL AMIDES

(51) International :C07C233/47,C07C235/08,C07C235/12 classification

(31) Priority Document :61/548076

(32) Priority Date :17/10/2011 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/060464 Application No :16/10/2012

Filing Date

(87) International

:WO 2013/059215 Publication No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)BIOTHERYX INC.

Address of Applicant: 20 Cabin Ridge Road Chappagua NY

10514 U.S.A.

(72)Name of Inventor:

1)CHAN Kyle W.h.

2)MERCURIO Frank 3)STIRLING David I.

## (57) Abstract:

Disclosed herein are substituted biaryl alkyl amide compounds methods of synthesizing substituted biaryl alkyl amide compounds and methods of treating diseases and/or conditions with substituted biaryl alkyl amide compounds.

No. of Pages: 109 No. of Claims: 172

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

(54) Title of the invention: AXIAL PISTON MACHINE WITH VARIABLE DISPLACEMENT VOLUME AND HYDRAULIC DRIVETRAIN HAVING AN AXIAL PISTON MACHINE

(21) Application No.3992/DELNP/2014 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:10 2011 086 571.3 :17/11/2011 :Germany	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany (72)Name of Inventor:  1)MARK Alexander 2)BREUER David
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#### (57) Abstract:

The invention relates to an axial piston machine (18) with a housing (1) for pump and/or motor operation with a variably adjustable displacement volume having a pivot cradle (2) which can be pivoted by a first adjustment device (3) within an angle range predefined by the first adjustment device (3) and which has at least one surface (22) and having a piston drum (7) which is arranged rotationally fixedly on an axis (24) and which has pistons (12, 120) arranged in the piston drum (7) wherein the pistons (12, 120) bear against the surface (22) of the pivot cradle (2) in such a way that pressure forces can be transmitted between the pistons (12, 120) and the pivot cradle (2). The axial piston machine (18) according to the invention furthermore has a second adjustment device (9, 16) which is movable in such a way that the displacement volume of the axial piston machine (18) can be varied in addition to the displacement volume variably adjustable by means of the first adjustment device (3).

No. of Pages: 27 No. of Claims: 8

(21) Application No.3980/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

### (54) Title of the invention: FLEXIBLE MAT SCREENING APPARATUS WITH OFFSET SUPPORTS

(51) International classification :B07B1/28,B07B1/42,B07B1/46 (71)Name of Applicant :

(31) Priority Document No :61/563175 (32) Priority Date :23/11/2011 (33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/065891 Filing Date :19/11/2012

(87) International Publication No: WO 2013/078137

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)ACTION VIBRATORY EQUIPMENT INC.

Address of Applicant :2800 Hayes Street Newberg OR 97132

(72)Name of Inventor:

1)LAVEINE Andrew T.

#### (57) Abstract:

Mechanical separators and screening machines and methods for flexible sieve mat screening are disclosed. In an example configuration a flip flow type flexible mat screening apparatus is provided with optimized relative elevation positions for adjacent pairs of first and second mat supports. In one configuration a portion of the first mat supports is arranged at a lowered or offset position relative to adjacent second mat supports.

No. of Pages: 34 No. of Claims: 18

(21) Application No.3981/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SOLUBILIZED MAGNOLOL ANALOGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul>		1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)HOURIGAN Regina 2)MASTRULL Jeffrey 3)MATTAI Jairajh
No Filing Date	:15/12/2011 o:WO 2013/089716 :NA	1)HOURIGAN Regina 2)MASTRULL Jeffrey
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract:

A composition comprising a solubilized magnolol analog comprising at least one magnolol analog chosen from propyl magnolol isopropyl magnolol butyl magnolol and isobutyl magnolol and dimethyl isosorbide. These solubilized analogs are useful in personal care oral care and home care compositions to provide anti bacterial activity and reducing the expression of pro inflammatory mediators.

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

(21) Application No.3982/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ORAL CARE COMPOSITIONS

(31) Priority Document No	:A61K8/19,A61K8/88,A61Q11/00 :NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/065129 :15/12/2011	<ul><li>(72)Name of Inventor:</li><li>1)SCHAEFFER KORBYLO Lyndsay</li><li>2)CUIULE Christine</li></ul>
(87) International Publication No	:WO 2013/089735	3)DU THUMM Laurence
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Described herein are oral care compositions comprising (i) an orally acceptable gallium salt and (ii) a basic amino acid polymer in amounts effective to disrupt biofilm; and methods of making and using the same.

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

(21) Application No.3983/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ARTICLE OF MANUFACTURE MADE OF COMPOSITE MATERIAL FOR INCORPORATION INTO A CIVIL ENGINEERING STRUCTURE

(51) International :E01C11/06,E01C11/10,B29C70/64

classification

(31) Priority Document No :11185832.0 (32) Priority Date :19/10/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/070829

No :19/10/2012 Filing Date

(87) International Publication :WO 2013/057299

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)VOET Hans

Address of Applicant: Heibaan 176 B 2235 Hulshout Belgium

2)LEITNER Leopold (72)Name of Inventor: 1)VOET Hans

2)LEITNER Leopold

### (57) Abstract:

An article (12) of manufacture is disclosed for incorporating into a civil engineering structure (3, 4) for example a concrete structure such as a floor. The article comprises a substantially fully cured thermosetting polymer resin and a particulate aggregate material having a Mohs hardness of from 3 to 9 preferably from 5 to 8. The article optionally comprises a reinforcing fiber. The hardness of the article can be closely matched to that of the surrounding structure. The article can be ground with a diamond tool to form a smooth transition with the surrounding structure. The article is particularly suitable for incorporation into an exposed surface (7 8) of the structure.

No. of Pages: 25 No. of Claims: 19

(21) Application No.3984/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR MONITORING TRANSMISSION CHARACTERISTICS IN A NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>		(71)Name of Applicant: 1)ALCATEL LUCENT Address of Applicant: 3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor: 1)CASAS SANCHEZ Miguel 2)VAN WINKEL Jan
(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 monitoring transmission characteristics in a network comprising a media client (100) a media server (200) and a data processor (250) the method comprising: establishing (300) a connection with said data processor (250); establishing (310) an end to end encrypted channel between said media client (100) and said data processor (250) for exchanging streaming media content over said connection; sending (320) a probing message to said data processor (250) over said channel said probing message carrying a first timestamp indicating the sending time of said probing message; receiving (330) a response to said probing message from said data processor (250) said response carrying a second timestamp indicating the arrival time of said probing message at said data processor; and deriving (350) latency information including an upstream latency between said media client (100) and said data processor (250) from a difference between said second timestamp and said first timestamp.

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

(19) INDIA

(22) Date of filing of Application :15/05/2014

(21) Application No.3917/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: CLUTCH DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:F16D13/52 :2011-251174 :17/11/2011 :Japan :PCT/JP2012/079337 :13/11/2012 :WO 2013/073515 :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA F.C.C.  Address of Applicant:7000 36NakagawaHosoe choKita kuHamamatsu shi Shizuoka 4311304 Japan (72)Name of Inventor:  1)SATOU Tomoyasu 2)FURUHASHI Shinji 3)TAKEDA Norikazu 4)ISOBE Kenichirou
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#### (57) Abstract:

Provided is a clutch device for which secure spring seat placement can be easily confirmed and which can reduce the labor of manufacturing work by preventing the falling or change in orientation of the spring seat. The clutch device (100) is provided with a pressure plate (110) that presses friction plates (103) which are rotationally driven by a driving shaft onto clutch plates (107). The pressure plate (110) is provided with clutch springs (112) and spring seats (113) inside receiving parts (111) that are formed in a sunken shape. For the spring seats (113) two tabular pieces (113a, 113b) are formed in a C shape along the bottom (111a) of the receiving parts (111). On the perimeters of the pieces (113a, 113b) projections (114a, 114b) that protrude outward are formed. In the inner wall towards the bottom (111a) of the receiving parts (111) recesses (111b) into which the projections (114a, 114b) fit are formed.

No. of Pages: 45 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :15/05/2014

(21) Application No.3918/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHODS AND PATTERNS FOR INCREASING AMPLITUDE OF ACCOMMODATIONS IN A HUMAN LENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F9/008 :61/549783 :21/10/2011 :U.S.A. :PCT/US2012/060800 :18/10/2012 :WO 2013/059447 :NA :NA	(71)Name of Applicant:  1)NUSITE TECHNOLOGIES LLC Address of Applicant: 3665 Avondale Road Woodmere Ohio 44122 U.S.A. (72)Name of Inventor: 1)ESPOSITO Andrew A.
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#### (57) Abstract:

A method of treating a human eye generally to correct vision and preferably in one embodiment to increase the amplitude of accommodation of lens. The method utilizes a laser to create a desired pattern within the lens. Various patterns for treating the eye lens are also disclosed. Another object of the present invention is to provide a method and ablation patterns tl 1at provide the tens with a multiple layer helix plate complex.

No. of Pages: 28 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FEMORAL NECK FRACTURE IMPLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B17/74 :61/561439 :18/11/2011 :U.S.A. :PCT/US2012/065058 :14/11/2012 :WO 2013/074659 :NA :NA :NA	(71)Name of Applicant:  1)DEPUY SYNTHES PRODUCTS LLC Address of Applicant: 325 Paramount Drive Raynham MA 02767 U.S.A. (72)Name of Inventor: 1)OVERES Tom
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(21) Application No.3919/DELNP/2014 A

#### (57) Abstract:

A bone fixation system comprises an elongated implant shaft extending from a proximal end to a distal end along a central longitudinal axis and including a first channel extending from the proximal end to a side opening formed in a side wall of the implant shaft along a first channel axis. The bone fixation system further comprises a bone plate having a first plate portion and a second plate portion the first plate portion having a first opening extending therethrough along a first opening axis and the second plate portion having a second opening extending therethrough along a second opening being configured to receive the implant shaft therethrough to permit insertion thereof into a head of a bone.

No. of Pages: 73 No. of Claims: 45

(21) Application No.3567/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: COMPLIMENTARY POLYMER ELECTROCHROMIC DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G02F1/15 :61/560243 :15/11/2011 :U.S.A. :PCT/US2012/065123 :14/11/2012 :WO 2013/074702 :NA :NA :NA	(71)Name of Applicant:  1)ASHWIN USHAS CORPORATION INC.  Address of Applicant: 9 Red Coach Lane Holmdel NJ 07733 U.S.A. (72)Name of Inventor:  1)CHANDRASEKHAR Prasanna
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### (57) Abstract:

A complimentary polymer or dual polymer electrochromic device and methods of preparing the same are provided.

No. of Pages: 78 No. of Claims: 55

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR STEERING BOGIE OF RAILWAY VEHICLE AND BOGIE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:2011-235284 :26/10/2011 :Japan	(71)Name of Applicant:  1)Nippon Steel & Sumitomo Metal Corporation Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (72)Name of Inventor: 1)OZAKI Takuya 2)IWATO Kazunori 3)KIKKO Satoshi 4)TOKUNAGA Satoshi
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#### (57) Abstract:

In order to solve the problem of oversteer in a straight section at an exit and to improve the curve passage performance to a level higher than that of the case in which the steering angle of the front and rear axles are set at a radial steering angle a steering method for a steering device is configured to intentionally turn two axles (11a, 11b) which are disposed at the front and rear in the movement direction of a railway vehicle relative to the bogie frame of a bogie (12) mounted to the railway vehicle. Steering is performed so that the steering angle (a1) of the axle (11a) on the front side in the movement direction of the vehicle is greater than the steering angle (a2) of the axle (11b) on the rear side in the movement direction of the vehicle.

No. of Pages: 34 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :06/05/2014

(21) Application No.3664/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: COMMUNICATION SYSTEM BASE STATION DEVICE DATA TRANSMISSION METHOD AND COMPUTER READABLE MEDIUM ON WHICH A PROGRAM IS STORED IN NON TEMPORARY FASHION.

(51) International classification	:H04W24/02,H04W92/20	(71)Name of Applicant:
(31) Priority Document No	:2011-251454	1)NEC Corporation
(32) Priority Date	:17/11/2011	Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1088001 Japan
(86) International Application No	:PCT/JP2012/004882	(72)Name of Inventor:
Filing Date	:01/08/2012	1)UEDA Yoshio
(87) International Publication No	:WO 2013/073077	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

An object is to provide a communication system a base station device a data transmission method and a program whereby generation of a large quantity of unnecessary signalling is avoided by executing a SON function. In a communication system which is equipped with an eNB (100) and an eNB (101) that performs data exchange with this eNB (100) the eNB (100) comprises: a signal exchange section (1102) that transmits to the eNB (101) information used for determining whether or not the transmission of autonomously set information to the eNB (100) from the eNB (101) is to be performed.

No. of Pages: 61 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND DEVICES FOR PROTECTION AGAINST GUIDING LOSS FOR A GUIDED VEHICLE

(51) International classification :B62D1/26,B66F9/00,E01B25/28 (71) Name of Applicant: (31) Priority Document No :12290202.6 1)SIEMENS S.A.S. (32) Priority Date Address of Applicant: 9 Boulevard Finot F 93200 St. Denis :20/06/2012 (33) Name of priority country :EPO (86) International Application (72)Name of Inventor: :PCT/EP2013/058952 1)CONSOLI Luciano :30/04/2013 Filing Date (87) International Publication :WO 2013/189651 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The present invention relates to devices and to a method for protection against guiding loss for a guided vehicle provided with a guide member including two V mounted guide rollers (1 2) i.e. a first roller (1) and a second roller (2) which are to engage with a first rolling surface (7A) and a second rolling surface (7B) of a guide rail (3) respectively said first and second rolling surfaces (7A 7B) being located on either side of a longitudinal median plane (M) of said guide rail (3) each of the rollers being provided with a flange (10) said flanges (10) freely clamping onto the guide rail (3) wherein the protection devices include: a profile member (72) having a height h>0 extending longitudinally and being configured to be attached along the length thereof onto at least a portion of said guide rail (3) between said first and second rolling surfaces (7A 7B) said profile member (72) having a section suitable for guiding the guide member upon a derailment or guiding loss of said guide member when said profile member (72) is attached to said portion of the guide rail (3) wherein said section has a shape suitable for retaining the flange (10) of the first roller (1) on the side of the median plane (M) that includes the rolling surface (7A) of said first roller (1) and the flange (10) of the second roller (2) on the side of the median plane (M) including the rolling surface (7B) of said second roller (2); and a means (73) for attaching said profile member onto said guide rail (3).

No. of Pages: 22 No. of Claims: 15

(21) Application No.2130/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : VARIABLE LENGTH BLADE TIP MOLDS, TIP ASSEMBLIES AND METHODS FOR MANUFACTURING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B29C45/00 :13/591525 :22/08/2012 :U.S.A. :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA. U.S.A. (72)Name of Inventor: 1)VOSSLER, ALEXANDER WILLIAM
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	
Filing Date	:NA	

### (57) Abstract:

Variable length blade tip molds include standard tip mold sections having a tapered profile and variable length joint mold sections having first ends and second ends with a constant cross section, wherein the variable length blade tip molds can each produce a plurality of tip assemblies of various lengths.

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

(21) Application No.3783/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: UNIVERSAL PERFORATION SYSTEM FOR INSTALLATION ON A BINDING OR SPIRAL BINDING MACHINE CAPABLE OF BINDING USING ANY BINDING SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:09/11/2011 :WO 2013/070053 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)LOPEZ PEREZ Emilio Carlos     Address of Applicant :Av. Peralvillo No 4 Col. Morelos C.P.</li> <li>6200 Mxico Distrito Federal Mexico</li> <li>(72)Name of Inventor:</li> <li>1)LOPEZ PEREZ Emilio Carlos</li> </ul>
· /	:NA :NA	

### (57) Abstract:

The invention relates to a novel industrial product which provides a novel system capable of performing a universal perforation for binding and spiral-binding machines, by means of oblong perforations that receive the rings, spirals or combs and folders with rings of multiple sizes, which is currently performed by machines that involve several steps. Oval perforation punches are installed.

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

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: FLOW SPLITTER FOR SLURRY DISTRIBUTION SYSTEM

:24/10/2012

:WO 2013/063044

(31) Priority Document No :61/550827 (32) Priority Date :24/10/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/061589

Filing Date (87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(51) International classification :B28B19/00,F16K7/06,F16L41/02 (71)Name of Applicant:

1)UNITED STATES GYPSUM COMPANY

Address of Applicant :550 West Adams Street Chicago Illinois 60661 3676 U.S.A.

(72)Name of Inventor:

1)LI Alfred 2)LEE Chris C. 3)CHAN Cesar

4) SCHENCK Ronald E. 5)SONG Weixin David 6)LORING Curt 7)WITTBOLD James 8)RAGO William

#### (57) Abstract:

A flow splitter (200) can include an inlet conduit (202) and first and second outlet conduits (204 206) separated by a junction portion (210). The inlet conduit (202) can include an inlet end (203) and a junction end (205). The inlet conduit (202) is disposed along a main flow axis (75) extending between the inlet end (202) and the junction end (205). The inlet end (203) defines an inlet opening (207). The junction end (205) defines first and second junction openings (209 211). The first junction opening (209) is disposed in spaced relationship to the second junction opening (211). The junction portion (210) is disposed at the junction end (205) of the inlet conduit (202) between the first and second junction openings (209 211). The junction portion (210) includes a substantially planar wall region (219) that is substantially perpendicular to the main flow axis (75). The flow splitter (200) can be placed in fluid communication with a cementitious slurry mixer (102) and a slurry distributor (104) with the flow splitter (200) disposed therebetween.

No. of Pages: 49 No. of Claims: 22

(21) Application No.3872/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR DYNAMICALLY LOCATING A FAULT OBSERVED ON A COMPONENT

(51) International classification :G01N29/44,B21J5/00,B22D46/00		(71)Name of Applicant:
(31) Priority Document No	:1160699	1)SNECMA
(32) Priority Date	:23/11/2011	Address of Applicant :2 boulevard du Gnral Martial Valin F
(33) Name of priority country	:France	75015 Paris France
(86) International Application	:PCT/FR2012/052682	(72)Name of Inventor:
No	:21/11/2012	1)LEBLANC Jonathan
Filing Date	.21/11/2012	
(87) International Publication	:WO 2013/076421	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date (62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method and a System for dynamically locating a fault (33) observed on a defective component (lt) in relation to a forging opration, comprising: - processing means (15) for modelling an opration of forming a component (1) by forging using a set of successive models (21a-21f) of said component (1), - processing means (15) for adding a fault tracer (43) to a first model of said set of models in a zone corresponding to the rgion in which the fault on said defective component (lt) is located, in order to form a first traced model (21t), and - processing means (15) for mometoring said fault tracer (43) over time during said modelling from said first traced model (21t) onwards so as to locate the origin of said fault (33).

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

(21) Application No.3875/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR IDENTIFICATION ASSESSMENT MODELING AND REPAIR OF ANATOMICAL DISPARITIES IN JOINT REPLACEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:A61F2/38 :61/547,349 :14/10/2011 :U.S.A. :PCT/US2012/059936 :12/10/2012 :WO 2013/056036 :NA :NA	(71)Name of Applicant:  1)CONFORMIS INC.  Address of Applicant: 28 Crosby Drive Bedford MA 01730 U.S.A. (72)Name of Inventor:  1)BOJARSKI Raymond A.  2)FITZ Wolfgang
(61) Patent of Addition to Application	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Improved systems and methods for deriving anatomical structures from indirect anatomical measurements as well as identifying abnormal deformed unusual and/or undesirable anatomical structures and related improvements in designing and/or selecting patient adapted (e.g. patient specific and/or patient engineered) orthopedic implants and guide tools as well as related methods designs and models.

No. of Pages: 65 No. of Claims: 20

(21) Application No.3876/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PROPYLENE COPOLYMER FOR INJECTION MOLDED ARTICLES OR FILMS

(51) International classification: C08F210/06,C08J5/18,C08L23/14 (71) Name of Applicant: (31) Priority Document No :11195493.9 (32) Priority Date :23/12/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/076002

No :18/12/2012 Filing Date

(87) International Publication :WO 2013/092620

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BOREALIS AG

Address of Applicant :IZD Tower Wagramerstrae 17-19, A-

1220 Vienna Austria

(72)Name of Inventor:

1)SANDHOLZER Martina 2)BERNREITNER Klaus

3)KLIMKE Katja

4)GAHLEITNER Markus

## (57) Abstract:

Propylene copolymer having a melt flow rate MFR2 (230°C) in the range of 2.5 to 12.0g/10min, a xylene cold soluble content (XCS) in the range of 20.0 to 45.0 wt. % a comonomer content in the range of more than 7.5 to 12.0 wt. % wherein further the comonomer content of xylene cold soluble (XCS) fraction of the propylene copolymer is in the range of 16.0 to 28.0 wt. %.

No. of Pages: 48 No. of Claims: 15

(21) Application No.784/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ROTOR FOR AN ELECTRIC MACHINE

(51) International classification	:H02N	(71)Name of Applicant :
(31) Priority Document No	:12161211.3	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:26/03/2012	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)IAFIGLIOLA, ROBERTO
Filing Date	:NA	2)RAJPUT, NAGIB
(87) International Publication No	: NA	3)HOLMES, ANDREW, JOHN
(61) Patent of Addition to Application Number	:NA	4)HEDIGER, DANIEL
Filing Date	:NA	5)VETTERLI, STEFAN
(62) Divisional to Application Number	:NA	6)RIEDLING, YVONNE
Filing Date	:NA	

## (57) Abstract:

The rotor (1) for an electric machine comprises a rotor body (3) with a longitudinal axis (2), conductors (6) on the rotor (1), a liner sheet (8) around the rotor body (3) and conductors (6). The liner sheet (8) has parts (10) with lateral borders (14) that are not parallel to the longitudinal axis (2).

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

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention: STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS.

(51) International

:D03D15/08,D03D15/00,D02G3/32 classification

(31) Priority Document No :3626/DEL/2011 (32) Priority Date :13/12/2011 (33) Name of priority country: India

(86) International Application :PCT/US2012/069231

No :12/12/2012 Filing Date

(87) International Publication :WO 2013/090422

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington

(21) Application No.3851/DELNP/2014 A

Delaware 19899 U.S.A. (72)Name of Inventor: 1)KUMAR Akshay 2)NAGARAJAN Gowri

(57) Abstract:

A core spun yarn wherein the core is a stretchable filament and is surrounded by a sheath of polytrimethylene terephthalate based staple fibers in combination with a second staple fiber. A fabric is made using the core spun yarn. The fabric produced from the core spun yarn is highly stretchable has high dimensional stability low growth and high recovery.

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

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) I

(21) Application No.3852/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SPRING RETAINER CLIP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2011-250678 :16/11/2011 :Japan :PCT/JP2012/078999 :08/11/2012 :WO 2013/073447 :NA :NA	(71)Name of Applicant:  1)NEWFREY LLC  Address of Applicant: 1207 Drummond Plaza Newark  Delaware 19711 U.S.A.  2)SHOWA CORPORATION  (72)Name of Inventor:  1)MIZUKOSHI Suguru  2)ENDO Seiya
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A spring retainer clip (1) for installing the end in the axial direction of a coil spring (10) via a spring seat to a vehicle body. Two of at least three spring retaining parts that are spaced apart in the circumferential direction are open spring retaining parts (11, 13) configured so that the coil spring which has been inserted in the axial direction is fitted therein and held and one of the spring retaining parts is a closed spring retaining part (14) that accepts the end of the coil spring by rotating the coil spring which has been inserted in the axial direction in the circumferential direction.

No. of Pages: 19 No. of Claims: 7

(10) INIDIA

(21) Application No.3853/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention : OPTICAL FIBER TAPE CORE WIRE AND OPTICAL FIBER CABLE HOUSING OPTICAL FIBER TAPE CORE WIRE

## (57) Abstract:

Provided is an optical fiber tape core wire with which it is possible to implement higher density and narrower gauges and to mount an optical fiber in a V shaped groove of a fusion machine without falling away. An optical fiber tape core wire (1) has three or more optical fiber cores (2) which are positioned in parallel with two adjacent optical fiber cores (2) being coupled with coupling parts (3) and the coupling parts (3) being respectively disposed intermittently in the tape core wire longitudinal and latitudinal directions. With the optical fiber tape core wire (1) the external diameter of the optical fiber (2) is  $220\mu m$  or less and the distance (L) between the centers of adjacent optical fibers (2) is  $250\pm30\mu m$ .

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

(19) INDIA

(22) Date of filing of Application: 12/05/2014

(21) Application No.3854/DELNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHODS OF REDUCING OR ELIMINATING PROTEIN MODIFICATION AND DEGRADATION ARISING FROM EXPOSURE TO UV LIGHT

#### (57) Abstract:

Methods of inactivation of a virus in a sample comprising a protein component are provided. Also provided are methods of reducing protein degradation or modification in to the presence of a reactive species such as a reactive species generated as a result of UV exposure are also provided. In another aspect a method of reducing oxidation of methionine residues tryptophan residues or both methionine and tryptophan residues in a protein subjected to UV light is provided. The disclosed methods can be performed at any scale and can be automated as desired.

No. of Pages: 76 No. of Claims: 46

(21) Application No.3719/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: LOCALIZED MODULATION OF TISSUES AND CELLS TO ENHANCE THERAPEUTIC EFFECTS INCLUDING RENAL DENERVATION

(51) International classification :A61K35/23,A61K8/43,C07D251/18

(31) Priority Document No :61/548822

(31) Priority Document No :61/548822 (32) Priority Date :19/10/2011 (33) Name of priority country :U.S.A.

(86) International :PCT/US2012/061205

Application No :19/10/2012

Filing Date .19/10/2012

(87) International Publication: WO 2013/059735

No

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)MERCATOR MEDSYSTEMS INC.

Address of Applicant :1670 Alvarado Street #4 San Leandro

CA 94577 U.S.A. (72)Name of Inventor: 1)SEWARD Kirk P.

# (57) Abstract:

Pharmaceutical preparations compositions systems and devices including medical devices and diagnostic or therapeutic agents and methods to treat disease by modification of local tissue environment to modulate the therapeutic index of locally or systemically delivered therapeutic or diagnostic agents. Improved ability to reduce sympathetic nerve activity in the adventitia and perivascular tissues around arteries and veins in the body. Modulation of the local tissue environment around an artery to enable more effective denervation with or without a therapeutic agent. Modulation may include adjustment of the pH of the tissue.

No. of Pages: 75 No. of Claims: 57

(21) Application No.2201/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :24/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PRESSURE REGULATING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B60S5/00 :12/57295 :27/07/2012 :France :NA	(71)Name of Applicant: 1)MGI COUTIER Address of Applicant:975 ROUTE DES BURGONDES 01410 CHAMPFROMIER FRANCE (72)Name of Inventor:
Filing Date	:NA	1)SPANEVELLO, MARCO MARTINO
(87) 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 regulator device includes a body (3) delimiting a flow passage (4) and a regulator valve (10) adapted to allow a flow of fuel from a first flow opening (5) to a second flow opening (6) of the body. The regulator valve (10) includes an insert (1 1) fixedly mounted in the flow passage (4) and equipped with a seat (2 I), for example a flexible seat, and a flow orifice (12), and a blocking member (25) movable between positions blocking and releasing the flow orifice (12). The regulator device includes a plurality of bypass passages adapted to connect fluidically the first and second flow openings (5,6) and a sealing member (22) deformable between a first position in which it blocks the bypass passages and a second position in which it frees the bypass passages, the sealing member (22) being adapted to be deformed toward its second position when the pressure on the downstream side of the regulator valve (1 0) exceeds the pressure on the upstream side of the regulator valve (10) by a predetermined amount.

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

(21) Application No.3958/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PH ADJUSTED NON ALCOHOLIC BEER WITH LOW EXTRACT CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A23L2/00,A23L2/38 :2011-255388 :22/11/2011 :Japan :PCT/JP2012/079973 :19/11/2012 :WO 2013/077292 :NA :NA :NA	(71)Name of Applicant:  1)SUNTORY HOLDINGS LIMITED  Address of Applicant: 1 40 Dojimahama 2 chome Kita ku Osaka shi Osaka 5308203 Japan (72)Name of Inventor:  1)TERANISHI Takeshi 2)MOTOHASHI Itsuki
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## (57) Abstract:

The present invention provides a beverage that despite being a non alcoholic beer with a low total extract content has good body. Specifically by adjusting the pH of a non alcoholic beer with a low total extract content to within a specific range a beverage with good body is provided.

No. of Pages: 39 No. of Claims: 63

(19) INDIA

(22) Date of filing of Application :21/02/2008 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR DRIVING OF PLASMA DISPLAY PANEL (PDP)

(51) International classification	:G09G	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAMTEL COLOR LIMITED
(32) Priority Date	:NA	Address of Applicant :52, COMMUNITY CENTER, NEW
(33) Name of priority country	:NA	FRIENDS COLONY, NEW DELHI, INDIA 110065, INDIA
(86) International Application No	:NA	Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)RAJ KUMAR JANA
(61) Patent of Addition to Application Number	:NA	2)DEVENDRA KUMAR KACHHAWAHA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to driving of Plasma Display Panel (PDP) and particularly relates to a method and a system for driving an alternating current (AC) Plasma display panel (PDP) which leads to improvement in addressing for establishing the stable wall charge and reduction of address voltage. In particular the present invention provides a method and a system for driving an alternating current Plasma display panel (ACPDP), where a Dual Slope Ramp Down or Dual Ramp is introduced at Ramp down phase during reset period. The present invention also reduce the power consumption leads to reduction of overall cost and changing complex driving circuit into simple circuit.

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

(21) Application No.3903/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : BRACKET FOR CLAMPING A WIND TURBINE BLADE MOULD TO A SUPPORTING STRUCTURE

(51) International classification :B29C33/30,B29(31) Priority Document No :1118046.0 (32) Priority Date :19/10/2011

(33) Name of priority country :U.K.

(86) International Application No Filing Date :PCT/DK2012/050360 :27/09/2012

(87) International Publication No :WO 2013/056715

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:B29C33/30,B29C33/00 (71)Name of Applicant :

1) VESTAS WIND SYSTEMS A/S

Address of Applicant: Hedeager 44 DK 8200 Aarhus N

Denmark

(72)Name of Inventor:

1)PETERSEN Leif Kappel

2)TODD Paul

3)COLMAN Nathaniel

## (57) Abstract:

A bracket is described for clamping a mould to a supporting structure. The bracket includes a first part and a second part for attaching to the mould and to the supporting structure respectively or vice versa. The first and second parts are connected together and configured to provide constrained relative movement along a first axis to accommodate thermal expansion of the mould relative to the supporting structure in a first direction parallel to the first axis. The first and second parts of the bracket are connected via an articulated joint that allows the first and second parts to pivot relative to one another without moving the first axis such that the bracket can independently accommodate misalignments between the mould and the supporting structure.

No. of Pages: 36 No. of Claims: 32

(21) Application No.3905/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR THE BIOLOGICAL CONTROL OF LISTERIA

(51) International classification	:C12R1/90,A01N63/00	(71)Name of Applicant:
(31) Priority Document No	:1161111	1)AMOEBA
(32) Priority Date	:02/12/2011	Address of Applicant :60 Avenue Rockefeller Ppini re
(33) Name of priority country	:France	Laennec F 69008 Lyon France
(86) International Application No	:PCT/EP2012/074248	(72)Name of Inventor:
Filing Date	:03/12/2012	1)PLASSON Fabrice
(87) International Publication No	:WO 2013/079722	2)BODENNEC Slna
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a method for controlling the prolifration of Listeria, excluding treatment methods applied to the human/animal body, characterised in that said method uses protozoa of the species Willaertia magna, as well as a disinfectant containing such protozoa.

No. of Pages: 18 No. of Claims: 8

(21) Application No.3974/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CORDIERITE BASED COMPOSITE MEMBRANE COATED ON CORDIERITE MONOLITH

(51) International classification :B01D63/06,B01D69/02,B01D71/02

(31) Priority Document No :13/293745 (32) Priority Date :10/11/2011

(33) Name of priority country:U.S.A.

(86) International :PCT/US2012/063504

Application No Filing Date :05/11/2012

(87) International Publication :WO 2013/070535

No
((1) Potent of Addition to

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor:
1)CLINTON Joel Edward

2)GU Yunfeng

#### (57) Abstract:

Composite membrane monoliths include a cordierite monolith having a cordierite ceramic composite membrane bonded to surfaces thereof with a surface median pore size. The cordierite ceramic composite membrane has membrane surfaces with a membrane median pore size of 0.3 µm or less. The cordierite ceramic composite membrane may be a composite formed by firing the cordierite monolith subsequent to applying a cordierite ceramic composite slip to surfaces thereof. The cordierite ceramic slip may include cordierite particles and ceramic particles. The cordierite particles may have a cordierite median particle size smaller than the surface median pore size. The ceramic particles may have a ceramic median particle size smaller than the cordierite median particle size.

No. of Pages: 36 No. of Claims: 20

(21) Application No.3975/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VEHICLE SEAT PROVIDED WITH MEANS FOR ATTACHING A REMOVABLE TRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:1160413 :16/11/2011 :France	(71)Name of Applicant:  1)RENAULT SAS  Address of Applicant:13 15 quai le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor:  1)ROUXEL Yves 2)FOLLIOT Herve
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## (57) Abstract:

The invention relates to a motor vehicle seat (1) comprising a seat part (2) and a foldable seatback (3) comprising a rear face capable of being situated in a substantially horizontal position when said seatback (3) has been folded. The main technical feature of a seat according to the invention is that the rear face of the seatback (3) is provided with attachment means (28) capable of engaging with an independent tray (9) in order to hold said tray in an erect position on said rear face once the seatback (3) has been folded.

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

(21) Application No.3580/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: HYBRID DRIVE SYSTEM

(51) International classification	:B60W20/00,B60K6/445,B60W10/06	1) TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Priority Document No		Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571
(32) Priority Date	:NA	Japan
(33) Name of priority country	:NA	(72)Name of Inventor : 1)HARADA Taku
(86) International Application No Filing Date	:PCT/JP2011/006319 :11/11/2011	2)ITO Masatoshi 3)SHIIBA Kazuyuki
(87) International Publication No	:WO 2013/069068	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

In order to provide a hybrid drive system having excellent durability by inhibiting unnecessary switching of a pump drive path the hybrid drive system is equipped with a plurality of drive sources an output mechanism that outputs rotation motive power outside in accordance with the operating states of the drive sources a control apparatus that controls the operation states of the drive sources an oil pump and a pump input selecting mechanism that drives the oil pump with one axle among a plurality of rotation axles to which the motive powers of the drive sources can be inputted. The control apparatus controls the rotational speeds (V1, V2) of the plurality of rotation axles so as to be unequal by controlling the operating state of any of the plurality of drive sources.

No. of Pages: 50 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR SEWING ON TAPE AND DEVICE FOR SEWING ON TAPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D05B35/06 :2011-220076 :04/10/2011 :Japan :PCT/JP2012/075425 :01/10/2012 :WO 2013/051517 :NA :NA	(71)Name of Applicant:  1)JUKI CORPORATION  Address of Applicant: 11 1 Tsurumaki 2 chome Tama shi Tokyo 2068551 Japan (72)Name of Inventor:  1)SAKAI Katsuaki 2)YAMAGISHI Masanori 3)KATOU Shigeki
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#### (57) Abstract:

A method for sewing on tape (T) to the body (LI (RO)) of a shoe characterized by supplying a prescribed position for commencing sewing of the tape (T) to underneath a needle after at least three stitches are formed on the body (LI (RO)) after commencing sewing and by sewing the tape (T) on to the body (LI (RO)) at a normal sewing pitch after at least two stitches are formed on the tape (T) on the body (LI (RO)) at a narrow sewing pitch narrower than the normal sewing pitch.

No. of Pages: 82 No. of Claims: 5

:NA

(21) Application No.3582/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BACTERIUM FOR USE AS A PROBIOTIC FOR NUTRITIONAL AND MEDICAL APPLICATIONS

(51) International classification	n:A61K35/74,A61P1/00,A61P37/00	(71)Name of Applicant:
(31) Priority Document No	:1117313.5	1)GT BIOLOGICS LTD
(32) Priority Date	:07/10/2011	Address of Applicant :Institute of Medical Sciences
(33) Name of priority country	:U.K.	Foresterhill Aberdeen Aberdeenshire AB25 2ZD U.K.
(86) International Application	:PCT/GB2012/052495	(72)Name of Inventor:
No	:08/10/2012	1)KELLY Denise
Filing Date	.08/10/2012	
(87) International Publication	:WO 2013/050792	
No	6 2015/000//2	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1771	
(62) Divisional to Application	:NA	
Number	.NIA	

# (57) Abstract:

Filing Date

Roseburia hominisRoseburia hominis. A first aspect of the invention relates to the bacterial species for use in: regulating the immine system of a subject treating an immune disorder; treating an intestinal disorder; improving intestinal microbiota; regulating the innate immune system of a subject; regulating the adaptive immune system of a subject; regulating appetite in a subject; promoting Tregs and immune tolerance; promoting gut health in a subject; and/or maintaining immune homeostasis in a subject. Further aspects of the invention relate to compositions comprising

No. of Pages: 79 No. of Claims: 38

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PLANT FOR IMMERSION OF BODYWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:B65G49/04 :MI2011A002090 :17/11/2011 :Italy :PCT/IB2012/056349 :12/11/2012 :WO 2013/072835 :NA :NA	(71)Name of Applicant:  1)GEICO S.P.A.  Address of Applicant: Via Pelizza da Volpedo 109/111 I 20092 Cinisello Balsamo (MI) Italy (72)Name of Inventor:  1)COVIZZI Giampaolo
- 1 47 2		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3986/DELNP/2014 A

#### (57) Abstract:

A plant for the immersion processing of bodyworks comprises at least one processing liquid basin (11) and a conveying line (12) for the se quential arrival and departure of skids (13) which support bodyworks to be treated. A first and a second roller unit (20) are arranged above the basin the first roller unit being arranged at the front end of the basin and the second roller unit being arranged at a rear end of the basin in order to receive or release a skid from and towards the conveying line (12). The rollers (38) of the first and second roller units are movable between a non operating retracted position and an operating position for slidably displacing and supporting a skid above the basin (11). Two immersion and conveying assemblies each provided with a movable platform (22) for supporting and engaging with a skid are present for removing a skid from the first roller unit (20) convey ing it immersed along the basin (11) and depositing it onto the sec ond roller unit (120). The platform (22) is supported by a motor driv en transverse axis (23) so as to be able to rotate during the body work treatment operations. A sequential movement method is also described.

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

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICES SYSTEMS AND METHODS FOR ELECTROMAGNETIC ENERGY COLLECTION

(51) International classification :H01L31/042,1 (31) Priority Document No :61/559583 (32) Priority Date :14/11/2011

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/064872 Filing Date :13/11/2012

(87) International Publication No
(61) Patent of Addition to Application
Number
:NA
:NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date :NA

:H01L31/042,H01L31/07 (71)Name of Applicant :

1)PACIFIC INTEGRATED ENERGY INC.

Address of Applicant :12264 El Camino Real Suite 302 San

Diego CA 92130 U.S.A. (72)Name of Inventor:

1)JULURI Bala Krishna 2)HALLAS Justin

3)LAYTON Phillip 4)FENNEL Michael 5)MEADE Shawn

#### (57) Abstract:

A system for collecting electromagnetic energy is provided. The system can include one or more electromagnetic energy collection devices. An individual device comprises a first electrically conductive layer adjacent to a semiconductor layer. The first electrically conductive layer forms a Schottky barrier to charge flow at an interface between the first electrically conductive layer and the semiconductor layer. A second electrically conductive layer is disposed adjacent to the semiconductor layer and away from the first electrically conductive layer. The second electrically conductive layer forms an ohmic contact with the semiconductor layer. Upon exposure of the device to electromagnetic energy the first electrically conductive layer generates localized surface plasmon resonances that resonantly interact with the second electrically conductive layer providing near perfect absorption of light. The absorption of light creates hot electrons in the first layer that cross the Schottky barrier to drive an external load.

No. of Pages: 41 No. of Claims: 44

(21) Application No.3941/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR ANALYZING FORMATION PROPERTIES WHEN PERFORMING SUBTERRANEAN OPERATIONS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application No (501V3/26 :NA :NA :NA :NA :NA  (71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC.  Address of Applicant: 10200 Bellaire Boulevard Houston TX  77072 U.S.A. (72)Name of Inventor:  1)GAO Li 2)BITTAR Michael  (71)Name of Applicant:  1)GAO Li 2)BITTAR Michael	
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## (57) Abstract:

A method of analyzing a subterranean formation is disclosed. A first signal is transmitted from a transmitter to the formation and a second signal which is a reflection of the first signal is received. A third signal which is the second signal reversed in time is then transmitted to the formation. A fourth signal which is a reflection of the third signal from the formation is then received and monitored.

No. of Pages: 33 No. of Claims: 20

(21) Application No.3942/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: CONNECTING TERMINAL WITH A WEB SHAPED CONDUCTOR GUIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/11/2012 :WO 2013/079221 :NA :NA :NA	(71)Name of Applicant:  1)PHOENIX CONTACT GMBH & CO. KG Address of Applicant: Flachsmarktstrae 8 32825 Blomberg Germany (72)Name of Inventor: 1)HOPPMANN Ralph
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a connecting terminal having a housing (1) a current rail (3) arranged in the housing (1) and a spring clamp (4) arranged in the housing (1) wherein a conductor inlet opening (8) is formed in the housing (1) via which opening a conductor (9) to be clamped can be inserted wherein the connecting terminal has a conductor guide (10) for the conductor (9) to be clamped which guide is designed in the form of a web shaped extension of the conductor inlet opening (8) which extends from the conductor inlet opening (8) in the insertion direction (11) of the conductor (9) to be clamped wherein the conductor guide (10) is formed in one part with the housing (1).

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

(21) Application No.3943/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: AERATED CHOCOLATE

(51) International classification	:A23G1/00,A23G1/52	(71)Name of Applicant:
(31) Priority Document No	:11195519.1	1)NESTEC S.A.
(32) Priority Date	:23/12/2011	Address of Applicant : Avenue Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/076043	(72)Name of Inventor:
Filing Date	:18/12/2012	1)SUNDARA Venkata Ramana
(87) International Publication No	:WO 2013/092643	2)SERBESCU Adorian
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1 <b>V</b> /1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process for preparing an aerated chocolate which comprises incorporating a solvent component into a gas by bubbling the gas through a reservoir containing the solvent to give a gas phase and injecting the gas phase into tempered liquid chocolate.

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

(21) Application No.3837/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 13/02/2015

(54) Title of the invention : DISPLAY CASE WITH TRANSPARENT LIQUID CRYSTAL DISPLAY AND LIGHTING SYSTEM FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G09G3/18 :61/546809 :13/10/2011 :U.S.A. :PCT/US2012/060045 :12/10/2012 :WO 2013/056109 :NA :NA	(71)Name of Applicant:  1)MANUFACTURING RESOURCES INTERNATIONAL INC.  Address of Applicant: 6415 Shiloh Road East Alpharetta GA 30005 U.S.A. (72)Name of Inventor:  1)DUNN William  2)PRESLEY Harry 3)BROWN Mike 4)TRAN Chris
Filing Date	:NA :NA	

#### (57) Abstract:

Exemplary embodiments disclosed herein provide a point of sale advertising system for use with a display case having a front glass sheet positioned in front of a cavity for accepting goods the system containing a transparent LCD positioned behind the front glass sheet and a plurality of LEDs positioned adjacent to one pair of opposing edges of the LCD and arranged so that light which is emitted from the LEDs is directed backwards towards the cavity. Further embodiments also provide a lighting system for a transparent LCD having opposing vertical edges the system containing a mullion lighting assembly having sidewalls defining a center channel and positioned adjacent to each vertical edge of the transparent LCD a plurality of LEDs positioned along the length of the sidewall and on a side of the sidewall that opposes the center channel said LEDs placed in conductive thermal communication with the sidewall and a fan positioned to draw cooling air through the center channel.

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

(21) Application No.3595/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POLYOLEFIN FIBER

(51) International classification :D01F1/10,D01F6/04,D01F8/06 (71)Name of Applicant : (31) Priority Document No :11189907.6 1)DSM IP ASSETS B.V. (32) Priority Date :21/11/2011 Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen (33) Name of priority country :EPO Netherlands (86) International Application No :PCT/EP2012/073197 (72)Name of Inventor: 1)VLASBLOM Martin Pieter Filing Date :21/11/2012 (87) International Publication No :WO 2013/076124 2)GIJSMAN Pieter (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

## (57) Abstract:

Filing Date

The invention relates to a gel spun fiber comprising a polyolefin polymer forming a fiber body wherein a stabilizer is present inside the fiber body characterized in that the amount of said stabilizer is between 0.05 and 10 parts by weight based on 100 parts by weight of the amount of the polyolefin polymer forming said fiber body.

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

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MONOCLONAL ANTIBODY FOR THE DETECTION OF SNAP/CLIP TAG

(51) International classification	:C07K16/40,G01N33/53	(71)Name of Applicant:
(31) Priority Document No	:11190787.9	1)FRAUNHOFER GESELLSCHAFT ZUR F-RDERUNG
(32) Priority Date	:25/11/2011	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:EPO	Address of Applicant :Hansastrae 27c 80686 Munich Germany
(86) International Application No	:PCT/EP2012/073608	(72)Name of Inventor:
Filing Date	:26/11/2012	1)BARTH Stefan
(87) International Publication No	:WO 2013/076304	2)KOLBERG Katharina
(61) Patent of Addition to Application	:NA	3)PTTMANN Christiane
Number	:NA	4)SCHMIES Severin
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3596/DELNP/2014 A

## (57) Abstract:

A monoclonal antibody that binds specifically to the SNAP motif and to the CLIP tag comprising CDRs with the amino acid sequences SEQ ID Nos. 3, 4, 5, and 8, 9, 10.

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

(21) Application No.3961/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF A STATIN PRECURSOR

## (57) Abstract:

The present invention relates to a process for the preparation of a precursor for the synthesis of hexanoic acid derived statins and to the use of said precursor in the manufacture of a medicament.

No. of Pages: 18 No. of Claims: 8

(21) Application No.3962/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF A THIOPRECURSOR FOR STATINS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D319/06 :11192749.7 :09/12/2011 :EPO :PCT/EP2012/074689 :06/12/2012 :WO 2013/083719 :NA :NA	(71)Name of Applicant:  1)DSM SINOCHEM PHARMACEUTICALS  NETHERLANDS B.V.  Address of Applicant: P.O.Box 245 Alexander Fleminglaan 1  NL 2613 AX Delft Netherlands  (72)Name of Inventor:  1)LANGE DE Ben  2)HEEMSKERK Dennis  3)BESSEMBINDER Karin Henderika Maria
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## (57) Abstract:

The present invention relates to a process for the preparation of a precursor for the synthesis of hexanoic acid derived statins and to the use of said precursor in the manufacture of a medicament.

No. of Pages: 16 No. of Claims: 8

(21) Application No.3571/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : MODE LOCKED SEMICONDUCTOR LASER DIODE WITH DISPERSION COMPENSATED EXTERNAL CAVITY

(51) International classification :H01S5/065,H01S5/14,H01S5/00 (71)Name of Applicant: (31) Priority Document No 1)SONY CORPORATION :2011-247276 (32) Priority Date :11/11/2011 Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 (33) Name of priority country :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/007207 1)KONO Shunsuke :09/11/2012 Filing Date 2)KURAMOTO Masaru (87) International Publication No:WO 2013/069301 3)MIYAJIMA Takao (61) Patent of Addition to 4)KODA Rintaro :NA **Application Number** 5)WATANABE Hideki :NA Filing Date (62) Divisional to Application :NA Number :NA

## (57) Abstract:

Filing Date

A semiconductor laser apparatus is provided. The semiconductor laser apparatus includes a mode locked semiconductor laser device and an external resonator including a dispersion compensation system wherein the semiconductor laser apparatus is configured to generate self modulation to introduce a negative group velocity dispersion into the external resonator and to provide spectral filtering after the external resonator.

No. of Pages: 133 No. of Claims: 19

(21) Application No.3937/DELNP/2014 A

1)PANASONIC CORPORATION

Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: EXPANDED LATTICE BODY AND PRODUCTION METHOD THEREFOR AND POLAR PLATE AND LEAD STORAGE BATTERY USING SAID EXPANDED LATTICE BODY

(51) International

 $: H01M4/74, B21D31/04, C22C11/06 \bigg| \begin{tabular}{c} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ classification

:NA

(31) Priority Document No :2012-020574 (32) Priority Date :02/02/2012 (33) Name of priority country: Japan

(86) International Application :PCT/JP2013/000503

No :30/01/2013 Filing Date

(87) International Publication :WO 2013/114873

(61) Patent of Addition to :NA **Application Number** 

Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

5718501 Japan

(72)Name of Inventor: 1)KUREMATSU Michio 2)MURATA Yoshihiro

3)SASAKI Takehiro

### (57) Abstract:

An expanded lattice body (1) having a mesh section (2) formed using a reciprocating expansion machining method. The mesh section (2) is formed by expanding downwards a section in a sheet that comes in contact with a machining blade while forming slits in the sheet by reciprocally operating an expansion machining mold in the vertical direction while intermittently feeding the sheet between an expansion cutting mold having a cutting blade and the expansion machining mold having the machining blade. The mesh section (2) comprises a mesh frame (5) and intersecting sections (6). The intersecting sections (6) have a first section (6a) and a second section (6b). The first section (6a) and the second section (6b) are arranged offset in the vertical direction.

No. of Pages: 67 No. of Claims: 10

(21) Application No.3939/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS

(51) International classification :C12N9/90,C12N9/92,C12N9/12 (71)Name of Applicant:

(31) Priority Document No :61/577871 (32) Priority Date :20/12/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/070456

Filing Date :19/12/2012

(87) International Publication No: WO 2013/106172

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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)CAIMI Perry G.

2)OI Min 3)TAO Luan

4) VIITANEN Paul V. 5)YANG Jianjun

#### (57) Abstract:

The endogenous pnp gene encoding polynucleotide phosphorylase in the Zymomonas genome was identified as a target for modification to provide improved xylose utilizing cells for ethanol production. The cells are in addition genetically modified to have increased expression of ribose-5-phosphate isomerase (RPI) activity, as compared to cells without this genetic modification, and are not limited in xylose isomerase activity in the absence of the pnp modification.

No. of Pages: 175 No. of Claims: 16

(21) Application No.3532/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FUEL INJECTOR WITH INJECTION CONTROL VALVE ASSEMBLY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F02M51/06,F02M61/16,F02M61/18 :61/554,117 :01/11/2011 :U.S.A.	<ul> <li>(71)Name of Applicant:</li> <li>1)CUMMINS INC.</li> <li>Address of Applicant: 500 Jackson Street Columbus IN 47201</li> <li>U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)MORRIS Corydon E.</li> </ul>
(86) International Application No Filing Date (87) International Publication No	:PCT/US2012/063078 :01/11/2012 :WO 2013/067190	2)FREE Paul D.
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

## (57) Abstract:

A fuel injector control valve is provided that includes a drain circuit for directing the flow of fuel away from temperature sensitive components of a fuel injector in which the fuel injector control valve is positioned. The drain circuit includes at least one portion that directs drain fuel axially inward or toward a fuel injector orifice and away from an actuator of the fuel injector.

No. of Pages: 34 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: SYRINGE WITH BREAKABLE PLUNGER FOR ARTERIAL BLOOD GAS SAMPLE COLLECTION

(51) International :A61M5/315,A61M5/50,A61B5/153 classification

(31) Priority Document No :61/549.550 (32) Priority Date :20/10/2011 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2012/060790

:18/10/2012

Filing Date

(87) International Publication :WO 2013/059438 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)BECTON DICKINSON AND COMPANY

Address of Applicant: 1 Becton Drive Franklin Lakes New

Jersey 07417 U.S.A. (72)Name of Inventor: 1)HOONG SIM Lee 2)KIANG HENG Lim

A fluid collection assembly and method for use thereof is provided including a barrel with a plunger rod slidably inserted is disclosed. The assembly and method are particularly useful in the collection of arterial blood. The plunger rod includes a proximal portion, a distal portion with a stopper, and a breakable connector between the proximal and distal portions. In use, the as - sembly is primed with a liquid anticoagulant, the breakable connection is broken, and a fluid sample is collected with the arterial pressure causing the distal portion of the plunger rod to travel in a proximal direction along the barrel and contact an annular flange extending within the barrel. After collection, a tip cap can be applied to the assembly to prevent any spillage of the fluid sample during handling, storage, and transportation.

No. of Pages: 28 No. of Claims: 18

(21) Application No.3534/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/05/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: FASTENING SYSTEM FOR A CONVEYOR BELT

(51) International classification	:F16G3/02,B65G17/08	(71)Name of Applicant:
(31) Priority Document No	:13/251,817	1)LAITRAM L.L.C.
(32) Priority Date	:03/10/2011	Address of Applicant :Legal Department 200 Laitram Lane
(33) Name of priority country	:U.S.A.	Harahan Louisiana 70123 U.S.A.
(86) International Application No	:PCT/US2012/055206	(72)Name of Inventor:
Filing Date	:13/09/2012	1)RIDGELL Terral A.
(87) International Publication No	:WO 2013/052254	2)PIEHLER Michael V.
(61) Patent of Addition to Application	:NA	3)GUERNSEY Kevin W.
Number	:NA	4)KUCHLER John H. Jr.
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A fastening system for joining two ends of a conveyor belt (200) segment includes an inhibiting surface (252) for controlling movement of the ends relative to each other. The inhibiting surface is offset from an inner surface of a conveyor belt segment employing the fastening system and engages a surface of a corresponding conveyor belt segment to reduce tenting of the conveyor belt segment ends.

No. of Pages: 25 No. of Claims: 35

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROTECTION OF A PERMANENT MAGNET GENERATOR

(51) International classification	:H02H7/06	(71)Name of Applicant:
(31) Priority Document No	:PA 2011 70626	1)VESTAS WIND SYSTEMS A/S
(32) Priority Date	:16/11/2011	Address of Applicant :Hedeager 44 DK 8200 Aarhus N
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/DK2012/050420	(72)Name of Inventor:
Filing Date	:15/11/2012	1)M~LLER Torben Werge
(87) International Publication No	:WO 2013/071937	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a protection system with a protection relay and at least one measurement sensor to protect a permanent magnet generator having a plurality of stator windings each of said stator windings having a first end and a second end. If the stator windings are connected in a wye coupling they are in a set of three stator windings commonly coupled in a star point at the first end of the windings or if the stator windings are connected in a delta coupling they are in a set of three stator windings commonly connected in a ring to each other. In addition the at least one measurement sensor is arranged for measuring current through at least one of the stator windings at the star point side or within the ring connection and for communicating with the protection relay. The invention also relates to a method of protecting a permanent magnet generator.

No. of Pages: 34 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TITANIUM MATERIAL FOR SOLID POLYMER FUEL CELL SEPARATORS METHOD FOR PRODUCING SAME AND SOLID POLYMER FUEL CELL USING SAME

(51) International classification: H01M8/02,C22C14/00,C22F1/18 (71)Name of Applicant: 1)NIPPON STEEL & SUMITOMO METAL (31) Priority Document No :2011252582 (32) Priority Date :18/11/2011 CORPORATION (33) Name of priority country Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku :Japan (86) International Application Tokvo 1008071 Japan :PCT/JP2012/004589 (72)Name of Inventor: :19/07/2012 Filing Date 1)KAMINAKA Hideya (87) International Publication 2)YOSHIDA Kentarou :WO 2013/073076 3)TAKEUCHI Kouichi (61) Patent of Addition to 4)MATSUMOTO Satoshi :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

This titanium material for solid polymer fuel cell separators contains in mass% 0.005 0.15% of a platinum group element and 0.002 0.10% of a rare earth element with the balance made up of Ti and impurities. Consequently the surface of this titanium material for solid polymer fuel cell separators can be provided with a coating film having good conductivity while reducing the time necessary for acid pickling. The surface of this titanium material is provided with a coating film that is formed of titanium oxide and a platinum group element and it is preferable that the coating film has a thickness of 50 nm or less and the concentration of the platinum group element in the surface of the coating film is 1.5% by mass or more. By having the above described coating film this titanium material can be reduced in the initial contact resistance while ensuring good corrosion resistance. It is preferable for this titanium material that the rare earth element is Y and the platinum group element is Pd.

No. of Pages: 50 No. of Claims: 8

# CONTINUED TO PART- 2

## CONTINUED FROM PART-1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1073/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: HOLOGRAM PROCESSING METHOD AND SYSTEM

(51) International classification: G03H1/00,G03H1/04,G03H1/08 (71) Name of Applicant:

:30/11/2012

:WO 2013/080164

(31) Priority Document No :2011/08880 (32) Priority Date :02/12/2011 (33) Name of priority country: South Africa

(86) International Application :PCT/IB2012/056850

No Filing Date

(87) International Publication

(61) Patent of Addition to  $\cdot NA$ **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)CSIR

Address of Applicant: Meiring Naude Road Brummeria 0001

Pretoria South Africa (72) Name of Inventor:

1)NAIDOO Thegaran 2)SWART Johan Hendrik

3)HUGO Suzanne

4)VAN ROOYEN Pieter

#### (57) Abstract:

The invention relates to a hologram or holographic intensity data processing method and system. The system implements the method which comprises receiving holographic intensity data comprising at least a holographic intensity pattern or image at a discrete location in a propagation space the propagation space comprising the three dimensional space over which light waves or illumination forming the holographic intensity pattern propagates. The method comprises determining one or more data key points of at least one potential object of interest (19) in the received holographic intensity data and also comparing the determined one or more data key points to at least one pre determined propagation space invariant object descriptor associated with an object to determine a match in order to identify or detect the object and determine its location in the propagation space.

No. of Pages: 39 No. of Claims: 21

(21) Application No.1074/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/06/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMATINIB SOLID DOSAGE FORMS RECONSTITUTED JUST BEFORE USE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:A61K9/50,A61K31/506,A61K9/00 :2011/11621 :24/11/2011 :Turkey	(71)Name of Applicant:  1)IMUNEKS FARMA ILA‡ SANAYI VE TICARET A.S. Address of Applicant: Pak Is Merkezi Prof. Dr. B¼lent Tarcan Sok. No: 5/1 Gayrettepe Istanbul 34349 Turkey (72)Name of Inventor:  1)PISAK Mehmet Nevzat
(86) International Application No Filing Date (87) International	:PCT/TR2011/000268 :30/11/2011	
Publication No (61) Patent of Addition to Application Number Filing Date	:WO 2013/077815 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to the pharmaceutical formulations comprising imatinib in solid dosage form reconstituted with a diluent just before use; preparation processes and use thereof.

No. of Pages: 21 No. of Claims: 24

(22) Date of filing of Application :02/06/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EFFICIENT VARIABLE RATE FOR BROADCAST/MULTICAST SERVICE

(51) International classification	:H04W72/00	(71)Name of Applicant:
(31) Priority Document No	:61/557887	1)QUALCOMM INCORPORATED
(32) Priority Date	:09/11/2011	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2012/064503	(72)Name of Inventor:
Filing Date	:09/11/2012	1)ZHANG Xiaoxia
(87) International Publication No	:WO 2013/071147	2)WANG Jun
(61) Patent of Addition to Application	:NA	3)LEUNG Nikolai Konrad
Number	:NA	4)WALKER Gordon Kent
Filing Date	.IVA	5)ZEILINGOLD Daphna
(62) Divisional to Application Number	:NA	6)BAO Gang
Filing Date	:NA	

#### (57) Abstract:

A method an apparatus and a computer program product for wireless communication are provided in which at least one bit rate for allocating network resources from a broadcast multicast service center (BM SC) is received. The network resources are then allocated based on the at least one bit rate. Moreover all evolved Node Bs (eNBs) in a broadcast/multicast area are informed of the network resource allocation. Additionally the network resources are allocated for a session based on a first bit rate wherein the first bit rate is greater than a guaranteed bit rate (GBR) and the network resource allocation is adjusted to a second bit rate based on the occurrence of an event wherein the second bit rate is equal to GBR.

No. of Pages: 94 No. of Claims: 126

(22) Date of filing of Application :02/06/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CROWD DETERMINED FILE UPLOADING METHODS DEVICES AND SYSTEMS

(51) International classification :H04L29/08,G06F17/30 (71)Name of Applicant : 1)QUALCOMM INCORPORATED (31) Priority Document No :13/338200 (32) Priority Date :27/12/2011 Address of Applicant : Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (33) Name of priority country :U.S.A. :PCT/US2012/071652 (72) Name of Inventor: (86) International Application No 1)BLOW Anthony T. Filing Date :26/12/2012 (87) International Publication No :WO 2013/101828 2)ABICHANDANI Manas (61) Patent of Addition to Application 3)MENENDEZ Jose R. :NA 4)FORUTANPOUR Babak

5)BEDNAR David L.

Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

# (57) Abstract:

Various embodiments include methods for uploading files to a social media website including receiving in a computing device a user input identifying files for upload to a social media website selecting one or more files representative of the selected files uploading the representative files to a social media website server receiving in the computing device from the social media website server a request for upload of files similar to identified particular representative files and uploading the additional files that are similar to the identified particular representative files. The social media website server may determine the popularity of files based on user interactions with the files and request additional files similar to the particular uploaded files when the interactions exceed a popularity threshold.

No. of Pages: 81 No. of Claims: 74

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1094/MUMNP/2014 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: VALVE ASSEMBLY

(51) International classification :B60T15/02,B60T8/32 (71)Name of Applicant :

(31) Priority Document No :1121501.9 (32) Priority Date :14/12/2011 (33) Name of priority country :U.K.

:PCT/GB2012/053133 (72)Name of Inventor : (86) International Application No

Filing Date :13/12/2012 (87) International Publication No :WO 2013/088159

:NA

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date

1)HALDEX BRAKE PRODUCTS LIMITED

Address of Applicant : Haldex European Technical Centre MIRA Technology Park Lindley Warwickshire CV13 6DE U.K.

1)PRESCOTT Robert David 2)POTTER Laurence John 3)SHAW Edward Gilbert

#### (57) Abstract:

A valve assembly (10) including a housing (24) and a first movable member (26) which divides the housing into a control chamber (22) and a main chamber (30) the housing (24) being provided with an inlet port (12) a delivery port (14) and an exhaust port (16) which connect the main chamber (30) with the exterior of the housing (24) the valve assembly (10) further including a second movable member (32) which has a first valve part (34) and a second valve part (36) and which is movable parallel to an axis of the valve assembly to engage the first valve part (34) with a corresponding inlet valve part (12a) secured relative to the housing (24) engagement of the first valve part (34) with the inlet valve part (12a) substantially preventing flow of fluid into the main chamber (30) via the inlet port (12) the first movable member (26) being provided with an exhaust valve part (26c) and movable so that the exhaust valve part (26c) engages with the second valve part (36) of the second movable member (32) engagement of the exhaust valve part (26c) with the second valve part (36) substantially preventing flow of pressurised fluid out of the main chamber (30) via the exhaust port (16) characterised in that the valve assembly (10) is further provided with a support part (46a) which is secured relative to the housing (24) there being a first seal between the second movable member (32) and the support part (46a) and a second seal between the support part (46a) and the first movable member (26).

No. of Pages: 39 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1095/MUMNP/2014 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: VALVE ASSEMBLY

(51) International classification :B60T13/66,B60T13/68,B60T15/02

(31) Priority Document No :1122011.8 (32) Priority Date :21/12/2011

(33) Name of priority :U.K.

country :U.

(86) International PCT/GB2012/053137 Application No

Filing Date :14/12/2012

(87) International

Publication No :WO 2013/093433

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number

NA
:NA
:NA
:NA
:NA

(71)Name of Applicant:

1)HALDEX BRAKE PRODUCTS LIMITED

Address of Applicant :Haldex European Technical Centre MIRA Technology Park Lindley Warwickshire CV13 6DE U.K.

(72)Name of Inventor:

1)PRESCOTT Robert David 2)POTTER Laurence John 3)SHAW Edward Gilbert

### (57) Abstract:

Filing Date

A valve assembly comprising an inner housing in which is provided a first port a second port and a third port there being located in the inner housing a valve member assembly which is movable between a first position in which the second port is connected to the third port whilst the first port is closed a second position in which the first port is connected to the second port whilst the third port is closed and a third position in which at least two of the first second and third ports are closed wherein the valve assembly further comprises an outer housing which Is separate from and encloses at least part of the inner housing the outer housing having a first port and a second port the Inner housing and outer housing each being provided with first mating parts which engage to provide a substantially fluid tight seal between the Inner housing and the outer housing and second mating parts which engage to provide a substantially fluid tight seal between the inner housing and the outer housing whilst enclosing a conduit for fluid communication between the second port of the Inner housing and the second port of the outer housing.

No. of Pages: 57 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1096/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: VALVE ACTUATOR TORQUE LIMITER

(51) International :F16H35/10,F16K31/05,F16D7/02 classification

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/GB2011/052340

:28/11/2011 Filing Date

(87) International Publication :WO 2013/079891 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)ROTORK CONTROLS LIMITED

Address of Applicant :Brassmill Lane Lower Weston Bath

BA1 3JO U.K.

(72) Name of Inventor:

1)ADAM Stuart Steven 2)SWEET Kevin Richard

#### (57) Abstract:

A valve actuator torque limiter (103) includes a moveable shaft (208) moveable two ways in an axial direction and in use rotatable to cause rotation of a valve actuator drive shaft (202). The limiter further includes a brake disc (214) mounted on the moveable shaft; a first friction device (216A) located to a first side of the brake disc and a second friction device (216B) located to a second side. In use contact between the brake disc and the first or the second friction device stops a motor (302) rotating the moveable shaft. The limiter also includes a casing (102) housing at least the brake disc the first friction device and the second friction device and an adjusting arrangement (224A 224B) for adjusting a position of the first friction device and/or the second friction device relative to the brake disc. The adjusting arrangement is operable from outside the casing.

No. of Pages: 16 No. of Claims: 18

(22) Date of filing of Application :03/06/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: CLOSURE WITH TAMPER EVIDENT STRIP

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B65D47/08 :2007838 :22/11/2011	(71)Name of Applicant:  1)PLASTICUM NETHERLANDS B.V.  Address of Applicant: 9 Zevenheuvelenweg NL 5048 AN
(33) Name of priority country	:Netherlands	Tilburg Netherlands
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application	:13/11/2012 :WO 2013/077732	(72)Name of Inventor: 1)VAN ALFEN Jan 2)PUN Shi Ming 3)DEN BOER Sebastiaan Wilhelmus Josephus
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	4)STEGEMAN Gerrit Jan

#### (57) Abstract:

A tamper evident dispensing closure (1) comprises a body (2) adapted to be attached to a container and a pivotable lid (3) which is hingedly attached to the body. A tamper evident strip (4) is located within the contour of the body and attached to the body by means of predetermined frangible connecting points (41 42). The tamper evident strip is engaged or engageable by at least one locking member (35) provided on a skirt portion (33) of the lid such that the lid is only pivotable to the open position when the tamper evident strip is permanently removed. The body and the pivotable lid in the closed position define a recess (30) in which the tamper evident strip is received in a countersunk manner. The recess has a height which essentially corresponds to the height of the tamper evident strip and has a length that corresponds essentially to the length of the strip whereby only a small gap between the outer contour of the recess and the tamper evident strip is present such that the edges of the tamper evident strip are essentially unreachable. The body is provided with an indent (24) which adjoins the recess and which allows a user to engage the tamper evident strip from below with a finger so as to pull the tamper evident strip and the pivotable lid up in one movement during a first time opening of the closure.

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

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1098/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: TAMPER EVIDENT CLOSURE

(51) International classification	:B65D47/06,B65D47/08	(71)Name of Applicant:
(31) Priority Document No	:2007839	1)PLASTICUM NETHERLANDS B.V.
(32) Priority Date	:22/11/2011	Address of Applicant: 9 Zevenheuvelenweg NL 5048 AN
(33) Name of priority country	:Netherlands	Tilburg Netherlands
(86) International Application No	:PCT/NL2012/050803	(72)Name of Inventor:
Filing Date	:13/11/2012	1)VAN ALFEN Jan
(87) International Publication No	:WO 2013/077733	2)PUN Shi Ming
(61) Patent of Addition to Application	:NA	3)DEN BOER Sebastiaan Wilhelmus Josephus
Number	:NA	4)STEGEMAN Gerrit Jan
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A tamper evident dispensing closure (1) comprises a body (2) adapted to be attached to a container (50). The container has a shoulder portion surrounding a dispensing opening. The closure body has a peripheral wall (22) and a top wall (21) which extends over one end of the peripheral wall such that the corresponding end of the body is closed off by the top wall and an opposite end of the body is open. The open end is in use placed over the shoulder portion of the container. The top wall is provided with a dispensing passage (25) which in use is in line with the dispensing opening of the container. The peripheral wall is provided with tamper evident means which cause the peripheral wall to rupture when the closure is removed from the container there—by indicating tampering.

No. of Pages: 15 No. of Claims: 13

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: THE UNIQUE TAPERED HORIZONTAL EMERY ROLLER FOR DAL MILLING DEVICES

	·BUJB	(71)Name of Applicant :
	3/04.	1)DR. PUNJABRAO DESHMUKH KRISHI
(51) International classification	B02C	
	4/00	Address of Applicant :KRISHI NAGAR, AKOLA - 444 104,
(31) Priority Document No	:NA	MAHARASHTRA, INDIA
(32) Priority Date	:NA	2)ICAR-ALL INDIA COORDINATED RESEARCH
(33) Name of priority country	:NA	PROJECT ON POST HARVEST TECHNOLOGY,
(86) International Application No	:NA	CIPHET, LUDHIANA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRABHAKAR SUPDU PHIRKE
(61) Patent of Addition to Application Number	:NA	2)PRADEEP ATMARAM BORKAR
Filing Date	:NA	3)DNYANESHWAR BALAJI GHAGHAWE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention is related to fabrication of unique tapered horizontal emery roller for dal milling devices. The invention discloses the different units of the unique tapered roller fabricated and the process for its fabrication including acquiring tapered shape of roller, horizontal orientation of roller for ease in fabrication and efficient use of prime mover and application of emery layers on the roller so as to facilitate the scouring surface on the roller, enabling gravity flow of material through roller with sufficient residential time, and facilitating repeated refilling of the roller. The emery layers of different composition facilitate performing different functions like dal milling of pulses, polishing of grains for specific purposes and cleaning of rain affected or blackened cereal grains.

No. of Pages: 17 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :02/06/2014

(21) Application No.1080/MUMNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR PREDICTING AN EXPECTED BLOCKAGE OF A SIGNAL PATH OF AN ULTRASOUND SIGNAL

(51) International classification (31) Priority Document No :61/576893

(32) Priority Date :16/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/069382 Filing Date :13/12/2012

(87) International Publication No :WO 2013/090507

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date :NA

:G06F3/043,G06F3/041 (71)Name of Applicant :

1)OUALCOMM INCORPORATED

Address of Applicant :ATTN: International IP

Administration 5775 Morehouse Drive San Diego California

92121 1714 U.S.A.

(72)Name of Inventor:

1)LI Ren

2)NELSON Hui ya L.

3)FITZGERALD Joseph R.

#### (57) Abstract:

A method includes detecting a signal at a first set of receivers of a plurality of receivers of a device. The plurality of receivers includes the first set of receivers and a second set of receivers. The first set of receivers corresponds to selected receivers and the second set of receivers corresponds to non selected receivers. The method includes predicting based on the signal an expected blockage of a signal path between a source of the signal and a first selected receiver of the first set of receivers and selecting a particular receiver of the second set of receivers as a newly selected receiver in response to predicting the expected blockage.

No. of Pages: 86 No. of Claims: 45

(22) Date of filing of Application :02/06/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING SAME

(51) International classification	:C22C38/00,B23K15/00,B23K26/00	(71)Name of Applicant: 1)JFE STEEL CORPORATION
(31) Priority Document No	:2011289200	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda
(32) Priority Date	:28/12/2011	ku Tokyo 1000011 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor: 1)TAKAJO Shigehiro
(86) International Application No Filing Date	:PCT/JP2012/008423 :28/12/2012	2)OKABE Seiji 3)INOUE Hirotaka 4)KOMATSUBARA Michiro
(87) International Publication No	:WO 2013/099281	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The problem addressed by the present invention is providing a grain oriented electrical steel sheet wherein both core loss and noise are reduced. The present invention is an electrical steel sheet wherein regions with locally high lattice defect density are formed on the surface of or within the steel sheet and magnetic domains are refined said electric steel sheet being characterized by the hardness of the high lattice defect density regions as measured by a micro Vickers hardness meter being identical to or less than the hardness of other regions.

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

(22) Date of filing of Application :02/06/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ALUMINUM OR ALUMINUM ALLOY COATED STEEL MATERIAL AND METHOD FOR MANUFACTURING THE SAME

(71)Name of Applicant: 1)JFE STEEL CORPORATION (51) International classification :C23C2/12,C22C21/06 Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda (31) Priority Document No :2011271533 ku Tokyo 1000011 Japan (32) Priority Date :12/12/2011 2)TOKYO INSTITUTE OF TECHNOLOGY (33) Name of priority country :Japan (72)Name of Inventor: (86) International Application No :PCT/JP2012/082591 1)TSURU Tooru Filing Date :10/12/2012 2)MARUYAMA Toshio (87) International Publication No :WO 2013/089262 3)SATO Tatsuo (61) Patent of Addition to Application :NA 4)TAKEYAMA Masao Number 5)YOSHIDA Masahiro :NA Filing Date 6)FUJITA Sakae (62) Divisional to Application Number :NA 7)SUZUKI Sachiko

:NA

(57) Abstract:

Filing Date

2This invention addresses the problem of providing an aluminum or aluminum alloy coated steel material having excellent corrosion resistance compared with a conventional product and a method for producing the same. As a means for solving the problem this invention forms on the surface of a steel material a coating layer containing by mass 6 10% Mg 3 7% Si 0.2 2% Fe and 0.02 2% Mn the balance comprising Al and incidental impurities and forms a aAl MgSi (Al Fe Si Mn) pseudo ternary eutectic structure having an area ratio of at least 30% within the coating layer.

8)ANDO Satoru 9)NAKAMARU Hiroki

No. of Pages: 24 No. of Claims: 3

(21) Application No.4035/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/12/2014

(43) Publication Date: 13/02/2015

(54) Title of the invention : OPTIMIZED WEB BASED MEDICAL IMAGE RETRIEVAL SYSTEM USING FUZZY CONNECTEDNESS IMAGE SEGMENTATION WITH GEOMETRIC MOMENTS (FCISGM) AND LOCALIZED ENTROPY BASED IMAGE RETRIEVAL (LEBIR).

(51) International classification	:G06F7/00, G06F17/30,	(71)Name of Applicant : 1)Amol Prakash Bhagat
(31) International classification	A61B5/00	Address of Applicant: Prakashdeep, Lane 7, Yashoda
(31) Priority Document No	:NA	Nagar No. 2, Amravati 444606 Maharashtra (India)
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Amol Prakash Bhagat
(86) International Application No	:NA	2)Mohammad Atique
Filing Date	:NA	
(87) 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 an method and system which retrieves a medical image serving as a reference for the interpretation of a medical image. One implementation of the system includes an image acquisition subsystem configured to acquire medical images, an image analysis subsystem configured to analyze each acquired medical image and associate one or more descriptors with each acquired medical image based on the analysis, a database configured to store the acquired medical images and associated descriptors, and a query tool configured to search the database using descriptors. Following invention is described in detail with the help of Figure 1 of sheet 1 which shows the the schematic representation of the overall process used for providing diagnosis to patient by using the current patient image captured by medical imaging device.

No. of Pages: 15 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :02/06/2014

(21) Application No.1083/MUMNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: CONTAINER HOUSE HAVING STRUCTURAL STABILITY

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
(87) International Publication No

:E04B1/348,E02D27/12
:1020110116824
:10/11/2011
:Republic of Korea
:PCT/KR2012/009368
:08/11/2012
:WO 2013/069971

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
:NA

on :NA

:NA :NA

# :E04B1/348,E02D27/12 (71)Name of Applicant : :1020110116824 1)EOM Ho Seob

Address of Applicant :A 2002 212 Olympic ro Songpa gu

Seoul 138 791 Republic of Korea

(72)Name of Inventor: 1)EOM Ho Seob

#### (57) Abstract:

Filing Date

The present invention relates to a container house (200) having structural stability and including: a main body (210) having an inner space and a passage connecting the inside to the outside; and a plurality of piles (220) firmly fixing the main body to the ground wherein the plurality of piles vertically pass through the main body and stick in the ground. The present invention has the advantage in which the main body is firmly fixed to the ground wherein the main body may be conveniently and easily fixed to the ground by using the piles that pass through a cover portion of the main body to stick in the ground. That is since the single or multi storied main body is fixed to the ground due to the plurality of piles that firmly stick in the ground the container house may be stably maintained even through natural disasters such as hurricanes earthquakes and the like. Thus it is possible to comfortably live in poor surroundings such as a desert and grassland.

No. of Pages: 27 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :02/06/2014

(21) Application No.1084/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: A FLIP CONTAINER FOR BLISTER CARD MEDICATION HOLDERS

(51) International classification :A61J1/03,B65D75/36 (71)Name of Applicant : (31) Priority Document No :61/555059 1)BERLIN PACKAGING LLC (32) Priority Date Address of Applicant :525 West Monroe Chicago Illinois :03/11/2011 (33) Name of priority country :U.S.A. 60661 U.S.A. (86) International Application No :PCT/US2012/063155 (72)Name of Inventor : 1)HAWRY Liam Filing Date :02/11/2012 (87) International Publication No :WO 2013/067249 2)NIGGEL Brett (61) Patent of Addition to Application 3)JOST Scott :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

There is shown in three embodiments a pill blister pack container for holding a pill blister pack. The container having a first portion highedly attached to a second portion. The first portion being sized to fit within the second portion when the container is closed. Both the first and second portions have defined side walls and a front wall. In addition the first portion includes flanges in the side walls that engage apertures in the second portion to lock the two portions. Furthermore at least one support post extends between the two portions.

No. of Pages: 16 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :02/06/2014

(21) Application No.1085/MUMNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: BACK SHIELDED WELDING METHOD AND WELDED STRUCTURE USING SAME

(51) International :B23K9/035,B23K9/00,B23K9/16 classification

(31) Priority Document No :2011268927 (32) Priority Date :08/12/2011

(33) Name of priority country: Japan (86) International Application

:PCT/JP2012/080820 :29/11/2012

Filing Date

(87) International Publication

:WO 2013/084777 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)MITSUBISHI HITACHI POWER SYSTEMS LTD.

Address of Applicant: 3 1 Minatomirai 3 Chome Nishi ku

Yokohama shi Kanagawa 2208401 Japan

(72) Name of Inventor:

1)KAWASAKI Kenii 2)YAMAMOTO Rvuichi 3)NISHIMOTO Shin

4)KAWAGUCHI Seiichi

#### (57) Abstract:

This back shielded welding method: forms notches (21 22) in the abutting edges (15 16) of two weld metal surfaces (2 3) that are to be brought into contact so as to form between the two weld metal surfaces (2 3) a slit shaped gas supply opening (17) which allows the front side and the back side of the weld metal surfaces (2 3) to communicate and which extends in the direction that the weld bead is to be formed; then forms the gas supply opening (17) using the notches (21 22) by abutting and temporarily fixing the abutting edges (15 16) of the weld metal surfaces (2 3) to each other; then forms the weld bead while supplying an inert gas from the gas supply opening (17); and closes the gas supply opening (17) using the weld bead.

No. of Pages: 38 No. of Claims: 4

(21) Application No.814/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention : AGRICULTURAL FORMULATIONS WITH AROMATIC SOLVENTS AND ACYL MORPHOLINES

(51) International classification :A01N25/02,A01N51/00,A01N43/90

(31) Priority Document No :11190509.7 (32) Priority Date :24/11/2011

(32) Priority Date :24/11/201 (33) Name of priority :EPO

country

(86) International PCT/EP2012/073372 Application No

Filing Date :22/11/2012

(87) International

Publication No :WO 2013/076202

(61) Patent of Addition to Application Number :NA Filing Deta: :NA

Filing Date
(62) Divisional to
Application Number
Filing Date

SNA
:NA

(71)Name of Applicant:

1)AKZO NOBEL CHEMICALS INTERNATIONAL B.V.

Address of Applicant: Stationsstraat 77 NL 3811 MH

Amersfoort Netherlands (72)Name of Inventor: 1)WESTBYE Peter 2)BERGSTR-M Karin 3)LEE Chin Chiat 4)PAUL Rupak

### (57) Abstract:

A formulation comprising at least one agriculturally active ingredient; at least one aromatic hydrocarbon; and at least one acyl morpholine according to the formula (I) where R is H CH or CH is provided as well as a method for treating a plant or seed with such a formulation.

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

(21) Application No.801/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: AIR TO AIR ATMOSPHERIC HEAT EXCHANGER

 $: F28F13/12, F28D15/00, B01F3/04 \bigg| \begin{tabular}{c} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ (51) International classification

:02/11/2012

(31) Priority Document No :13/290818 (32) Priority Date :07/11/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/063253

Filing Date

(87) International Publication :WO 2013/070513 No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

1)SPX COOLING TECHNOLOGIES INC.

Address of Applicant: 7401 West 29th Street Overland Park

KS 66213 U.S.A.

(72) Name of Inventor:

1)MOCKRY Eldon F. 2)KINNEY Ohler L.

3)MORTENSEN Kenneth P.

4)PULLEN Kathryn L.

5)PETTERSON Robert W.

6)ROTH William M.

7)YANG Jidong

#### (57) Abstract:

A sheet for use in a heat exchange apparatus. The sheet includes a first vertical rib that extends in a first direction generally parallel to the vertical axis of the heat exchange apparatus, wherein said first vertical rib protrudes in a second direction out of the plane. The sheet also includes a second vertical rib that extends in the first direction along the sheet, substantially all the way between the first and second edges of the sheet generally parallel to the first vertical rib. The second vertical rib also protrudes in the second direction out of the plane. The sheet further includes horizontal ribs extending substantially all the way between edges of the sheet.

No. of Pages: 35 No. of Claims: 21

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AIR TO AIR ATMOSPHERIC EXCHANGER

(51) International classification	:F28F3/08	(71)Name of Applicant:
(31) Priority Document No	:13/290887	1)SPX COOLING TECHNOLOGIES INC.
(32) Priority Date	:07/11/2011	Address of Applicant :7401 West 29th Street Overland Park
(33) Name of priority country	:U.S.A.	KS 66213 U.S.A. U.S.A.
(86) International Application No	:PCT/US2012/063487	(72)Name of Inventor:
Filing Date	:05/11/2012	1)YANG Jidong
(87) International Publication No	:WO 2013/070530	2)MOCKRY Eldon F.
(61) Patent of Addition to Application	:NA	3)KINNEY Ohler L.
Number	:NA	4)MORTENSEN Kenneth P.
Filing Date	.1171	5)PULLEN Kathryn L.
(62) Divisional to Application Number	:NA	6)PETTERSON Robert W.
Filing Date	:NA	7)ROTH William M.

### (57) Abstract:

A sheet for use in a heat exchange apparatus. The sheet includes a plurality of vertical ribs that extend in a first direction substantially all the way between the first and second edges of the sheet generally parallel to the vertical axis of the heat exchange apparatus wherein said vertical ribs protrude in a second direction out of the plane. The sheet further includes a plurality of horizontal ribs that extend in a third direction along the sheet substantially all the way between the third and fourth edges of the sheet generally parallel to the horizontal axis of the heat exchange apparatus wherein said horizontal ribs protrude in a fourth direction opposite said second direction into the plane and intersect said vertical ribs.

No. of Pages: 35 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :20/01/2014

(21) Application No.183/MUM/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: AUDIO GUIDE.

(62) Divisional to Application Number :NA 3)SUPREET JUNEJA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	G01S7/521 :NA	(71)Name of Applicant:  1)PRAJAKTA LAXANE  Address of Applicant: PLOT NO. 177, BHAUSAHEB SURVEY NAGAR, JAITALS ROAD CROSSIING, RING ROAD - 440 022. Maharashtra India  2)NITHYA VARGHESE  3)SUPREET JUNEJA (72)Name of Inventor:  1)PRAJAKTA LAXANE  2)NITHYA VARGHESE  3)SUPREET JUNEJA	
(62) Divisional to Application Number :NA Siling Date :NA 3)SUPREET JUNEJA	<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	(72)Name of Inventor: 1)PRAJAKTA LAXANE 2)NITHYA VARGHESE	

### (57) Abstract:

Audio Guide is a ultrasonic sensor based detection module designed for the visually impaired people. So far the modules for the blind was based on a stick or used Infra red sensors which could easily penetrate through any transparent material. Audio guide uses Ultrasonic sensor and makes and detects each type of material easily and alerts the person with a tone depending on the type of obstacle. The entire module is designed on a belt which makes it unique.

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

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DEFERRED MEASUREMENT CONTROL READING OF SYSTEM INFORMATION BLOCK (SIB) MESSAGES

(51) International classification	:H04W36/14	(71)Name of Applicant:
(31) Priority Document No	:61/561741	1)QUALCOMM INCORPORATED
(32) Priority Date	:18/11/2011	Address of Applicant :5775 Morehouse Drive ATTN:
(33) Name of priority country	:U.S.A.	International IP Administration San Diego CA 92121 U.S.A.
(86) International Application No	:PCT/US2012/064686	U.S.A.
Filing Date	:12/11/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/074456	1)KLINGENBRUNN Thomas
(61) Patent of Addition to Application	:NA	2)SHI Yongsheng
Number		3)PICA Francesco
Filing Date	:NA	4)UMATT Bhupesh Manoharlal
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		·

## (57) Abstract:

A method of wireless communication defers measurement control reading of a SIB. The method includes determining whether a user equipment (UE) has been redirected to a first radio access technology (RAT) from a second RAT. The method also includes selectively reading a system information block (SIB) based on whether the UE was redirected to the first RAT from a second RAT.

No. of Pages: 32 No. of Claims: 20

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ELECTRICAL APPLIANCE COMPRISING MEANS FOR LIMITING THE FORMATION OF AN ELECTRIC ARC

(51) International :H01H33/24,H01H1/64,H01H33/04

(31) Priority Document No :1159946 (32) Priority Date :03/11/2011

(33) Name of priority country :France

(86) International :PCT/EP2012/071548

Application No
Filing Date

STC1/E12012

:31/10/2012

(87) International

Publication No :WO 2013/064532

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
: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)BLANCHET Guilhem 2)GELLOZ Bernard

#### (57) Abstract:

The invention proposes a high voltage appliance (10) comprising a fixed contact (12) a contact (22) in the appliance (10) that is movable between an upstream position in which the movable contact (22) is connected to the fixed contact (12) and a disconnected downstream position in which the movable contact (22) comprises an axial rod (26) extending in the upstream direction the upstream axial end (26a) of which is able to come into contact with the fixed contact (12) characterized in that the movable contact (22) carries a discharge arrester component (34) extending radially around the end (26a) of the rod (26) and of which an upstream face (36) of the discharge arrester component (34) which face is situated axially opposite the fixed contact (12) is smooth.

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

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PAPER PRINTED STRETCH BLOW IN-MOLD LABELING

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (81) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (83) International Publication No (84) International Publication No (85) International Publication Number Filing Date (86) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) International Publication Number Filing Date (80) International Classification Number Filing Date (81) International Classification Number Filing Date (81) International Classification Number Filing Date (82) International Classification Number Filing Date (83) Name of priority country Filing Date (84) International Classification Number Filing Date (85) International Classification Number Filing Date (86) International Classification Number Filing Date (87) International Classification Number Filing Date (88) International Classification Number Filing Date (89) International Classification Number Filing Date (80) International Classification Number Filing Date (81) International Classification Number Filing Date	22, (71)Name of Applicant:  1)MR. KIRAN M. SHAH  Address of Applicant: 802/803, PARK SIDE-2 RAHEJA ESTATE, KULUPWADI, LANDMARK NEAR NATIONAL PARK BORIVALI EAST, MUMBAI-400066 Maharashtra India 2)MRS. PIYALI SARKAR BHOWMIK (72)Name of Inventor: 1)MR. KIRAN M. SHAH 2)MRS. PIYALI SARKAR BHOWMIK
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#### (57) Abstract:

In accordance with an aspect of the present invention, a process for paper printed stretch blow in mold labeling is provided. The process includes providing a paper printed stretch blow in mold label, wherein the paper printed stretch blow in mold label includes a paper or plastic, a ink layer of a required design at one side of the paper or plastic and a heat sealable coating layer another side of the paper or plastic. The process further includes a mold with a moid cavity wherein, the mold cavity has an inner surface where the paper printed stretch blow in mold label is placed with a preform, wherein placing includes, but not limited to at least one of robotic placing or manual placing. The process also includes blowing the preform to acquire a required shape and to fuse the paper printed stretch blow in mold label on an outer surface of the required shape. The process then includes cooling of the mold and ejecting the required shape with sealed paper printed stretch blow in mold label.

No. of Pages: 21 No. of Claims: 8

(21) Application No.806/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A LIQUID HARD SURFACE ANTIMICROBIAL CLEANING COMPOSITION

(51) International algorithmation	C11D1/62 C11D2/20 C11D2/26	(71) Nome of Applicant
	n:C11D1/62,C11D3/20,C11D3/36	
(31) Priority Document No	:3093/MUM/2011	1)UNILEVER PLC
(32) Priority Date	:03/11/2011	Address of Applicant :a company registered in England and
(33) Name of priority country	:India	Wales under company no. 41424 of Unilever House 100
(86) International Application	DCT/FD2012/070045	Victoria Embankment London Greater London EC4Y 0DY U.K.
No	:PCT/EP2012/069945	U.K.
Filing Date	:09/10/2012	(72)Name of Inventor:
(87) International Publication	:WO 2013/064340	1)BARNE Sameer Keshav
No	. W O 2013/004340	2)CHAKRABORTTY Amit
(61) Patent of Addition to	:NA	3)SAJI Maya Treesa
Application Number		
Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
	:NA	
Filing Date	ļ	

# (57) Abstract:

The invention relates to a liquid hard surface cleaning and disinfection composition that provides relatively fast antimicrobial action. A aqueous composition with a pH in the range of 9 to 12 comprising selective amounts of benzalkonium chloride; a salt of di or tri carboxylic acid; and sodium tripolyphosphate is claimed.

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

(21) Application No.807/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A LIQUID HARD SURFACE ANTIMICROBIAL CLEANING COMPOSITION

(71) I	C11D2/20 C11D2/20 C11D2/40	(71)NI
	1:C11D3/20,C11D3/30,C11D3/48	
(31) Priority Document No	:3095/MUM/2011	1)UNILEVER PLC
(32) Priority Date	:03/11/2011	Address of Applicant : Unilever House 100 Victoria
(33) Name of priority country	:India	Embankment London Greater London EC4Y 0DY U.K
(86) International Application	DCT/FD2012/070007	(72)Name of Inventor:
No	:PCT/EP2012/068987	1)BARNE Sameer Keshav
Filing Date	:26/09/2012	2)CHAKRABORTTY Amit
(87) International Publication	:WO 2013/064315	3)SAJI Maya Treesa
(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 liquid hard surface cleaning and disinfection composition. The present inventors have found that inclusion of benzalkoniuim chloride and selected salts of di or tricarboxylic acid when combined with thymol or terpineol provides synergistic antimicrobial action in a rapid fashion and such efficacy is obtained at very low concentrations of thymol and/or terpineol.

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

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: ACTUATOR CAP FOR A FLUID DISPENSER

(51) International classification :B05B11/00,B65D83/20,B65D83/22

(31) Priority Document No :11188489.6 (32) Priority Date :09/11/2011 (33) Name of priority

country :EPO

(86) International

Application No :PCT/EP2012/069950 :09/10/2012

Filing Date

(87) International Publication No :WO 2013/068189

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant : 1)UNILEVER PLC

Address of Applicant : Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.

(72)Name of Inventor:

1)BETTS Kassie Terra Lynn 2)BILTON Simon Lewis 3)CAROEN Adrian Barclay 4)JONES Christopher John 5)KOUYOUMJIAN Garen

### (57) Abstract:

An actuator cap (1) for dispensing a liquid product comprising a rotatable outer body (2) and an associated actuator button (3) and a non rotatable chassis (4) and an associated spray channel assembly (6) the latter comprising an outlet nozzle (63); the outer body (2) and actuator button (3) being rotatable between: a first position in which the actuator button (3) is non elevated the actuator button (3) being incapable of depression in this position; a second position in which the actuator button (3) is elevated across its full length and width relative to top surface (25) of the outer body (2) the button (3) still being incapable of depression in this position; and a third position in which the actuator button (3) is elevated across its full length and width and tilted relative to top surface (25) of the outer body (2) the button (3) being capable of depression in this position; depression of the actuator button (3) causing release of liquid product from an associated container through the spray channel assembly (6).

No. of Pages: 32 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :30/04/2014

(21) Application No.812/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: AEROSOL DISPENSER

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:11188487.0	1)UNILEVER PLC
(32) Priority Date	:09/11/2011	Address of Applicant :a company registered in England and
(33) Name of priority country	:EPO	Wales under company no. 41424 of Unilever House 100
(86) International Application No	:PCT/EP2012/069953	Victoria Embankment London Greater U.K. London EC4Y 0DY
Filing Date	:09/10/2012	U.K.
(87) International Publication No	:WO 2013/068191	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)BETTS Kassie Terra Lynn
Number		2)BILTON Simon Lewis
Filing Date	:NA	3)CAROEN Adrian Barclay
(62) Divisional to Application Number	:NA	4)JONES Christopher John
Filing Date	:NA	5)KOUYOUMJIAN Garen

#### (57) Abstract:

The aerosol dispenser comprises: an aerosol canister and associated valve stem; and an actuator cap (1) comprising: a rotatable outer body (2) and an associated actuator button (3); and a non rotatable chassis (4) and an associated spray channel assembly (6) the latter comprising an outlet nozzle (63); the outer body (2) being rotatable between a first position in which the spray channel assembly (6) is separated from the valve stem of the aerosol canister and the dispenser is incapable of activation and a second position in which the spray channel assembly (6) is attached to the valve stem of the aerosol canister and the dispenser is capable of activation.

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

(21) Application No.815/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date: 13/02/2015

## (54) Title of the invention: SPURIOUS MODE SUPPRESSION PIEZOELECTRIC RESONATOR DESIGN

(51) International classification :H03H9/02,H03H9/05 (71)Name of Applicant : :13/296831 1)QUALCOMM INCORPORATED (31) Priority Document No (32) Priority Date :15/11/2011 Address of Applicant : Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/065366 U.S.A. Filing Date :15/11/2012 (72)Name of Inventor: (87) International Publication No :WO 2013/074848

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date :NA 1)PARK Sang June 2)KIM Jonghae

#### (57) Abstract:

Provided are methods and apparatus to improve upon conventional piezoelectric resonators. Also provided are apparatus and methods to improve upon filters having piezoelectric resonators. In an example a piezoelectric resonator includes a substrate and a piezoelectric material disposed on the substrate. A first electrode and a second electrode are disposed on the piezoelectric material. The piezoelectric resonator has a passband and a portion of the perimeter of the piezoelectric material is anchored to the substrate to suppress an in band spurious mode of the piezoelectric material. The portion if unanchored would exhibit maximum near maximum and/or excessive displacement deflection at resonance. The piezoelectric resonator can be integrated in a semiconductor die. Multiple filters having piezoelectric resonators with respective different passbands can be disposed on the substrate.

No. of Pages: 28 No. of Claims: 20

(21) Application No.809/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COSMETIC COMPOSITION

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:PCT/EP2012/070485 :16/10/2012 :WO 2013/064365 :NA :NA	(71)Name of Applicant:  1)UNILEVER PLC Address of Applicant: Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K. (72)Name of Inventor: 1)KHOSHDEL Ezat 2)ZHANG Qiqing
Number	:NA :NA	

# (57) Abstract:

The invention relates to a cosmetic composition comprising an emulsion comprising hydrophobically modified particles amino functionalized silicone and water; the cosmetic composition further comprising a moisturizing agent and at least one component selected from the group consisting of vitamin anti dandruff agent and surfactant wherein the composition comprises at least a vitamin or anti dandruff agent. The invention further relates to a method of treating a skin condition comprising the step of topically applying to the skin the cosmetic composition of the invention.

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

(19) INDIA

(22) Date of filing of Application :30/04/2014

(21) Application No.810/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: COSMETIC COMPOSITION

:NA

(51) International classification	n:A61K8/06,A61K8/25,A61K8/29	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2011/081826	1)UNILEVER PLC
(32) Priority Date	:04/11/2011	Address of Applicant :a company registered in England and
(33) Name of priority country	:China	Wales under company no. 41424 of Unilever House 100
(86) International Application	.DCT/ED2012/070401	Victoria Embankment London Greater London EC4Y 0DY U.K.
No	:PCT/EP2012/070491	(72)Name of Inventor:
Filing Date	:16/10/2012	1)KHOSHDEL Ezat
(87) International Publication	WO 2012/07/12/7	2)YUAN Su
No	:WO 2013/064367	3)ZHANG Qiqing
(61) Patent of Addition to	.NTA	
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	27.4	
Number	:NA	

# (57) Abstract:

Filing Date

The invention relates to cosmetic compositions comprising a water in oil emulsion comprising hydrophobically modified particles amino functionalized silicone and water; the cosmetic composition further comprising a viscosity modifying agent and optical light modifying agent. The invention further relates to a method of modifying the optical appearance of skin comprising the step of applying to the skin the cosmetic composition of the invention.

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

(21) Application No.1087/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/06/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: NON ANTI COAGULATIVE GLYCOSAMINOGLYCANS COMPRISING REPEATING DISACCHARIDE UNIT AND THEIR MEDICAL USE

(51) International :C08B37/10,A61K31/727,A61P15/04 classification

(31) Priority Document No:61/577223 (32) Priority Date :19/12/2011

(33) Name of priority :U.S.A. country

(86) International

:PCT/SE2012/051433 Application No :19/12/2012

Filing Date

(87) International

:WO 2013/095279 Publication No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)DILAFOR AB

Address of Applicant : Karolinska Institutet Science Park

Retzius vg 8 S 171 65 Solna Sweden

(72)Name of Inventor: 1)EKRE Hans Peter 2)ERIKSSON Per Olov

3)LINDAHL Ulf 4)HOLMER Erik

## (57) Abstract:

The present invention relates to a chemically modified glycosaminoglycanwith an antifactor II activity of less than 10 IU/mg an antifactor Xa activity of less than 10 IU/mg and an average molecular weight (Mw weight average) from about 4.6 to 6.9 kDa. Also disclosed is a method of preparing the modified glycosaminoglycanand its medical uses.

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

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1088/MUMNP/2014 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: THIN METAL STRIP MANUFACTURING METHOD AND MANUFACTURING EQUIPMENT

(51) International classification :B22D11/06,B65H20/10 (71)Name of Applicant :

(31) Priority Document No :2011248384 (32) Priority Date :14/11/2011 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/079334 Filing Date :13/11/2012

(87) International Publication No :WO 2013/073513

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chivoda

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1)TAKASHIMA Minoru 2)OKABE Seiji

3)SHIGA Nobuo

#### (57) Abstract:

This thin metal strip manufacturing method involves pouring a molten metal onto the outer peripheral surface of a rapidly rotating cooling roll quickly cooling and hardening the same into a thin metal strip with a width W of 50 350mm subsequently spraying a compressed gas towards the thin metal strip from a direction approximately tangential to the cooling roll to separate the thin metal strip from the cooling roll adhering the separated thin metal strip to the air permeable belt of a suction type belt conveyor to transport the same to a winding reel and winding the same into coil form. Therein by attaching the thin metal strip to the belt by suction and setting the shortest distance L between the cooling roll and the suction type belt conveyor to 2 50mm and the suction width S of a suction box provided on the suction type belt conveyor to 1.2 2.5 times the width W of the thin metal strip small cracks occurring at the edges of the thin metal strip are reduced when manufacturing wide thin metal strips with a rapid cooling process.

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

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1089/MUMNP/2014 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: GRAIN ORIENTED ELECTRICAL STEEL SHEET

(51) International :C22C38/00,B23K15/00,C21D8/12

classification (31) Priority Document No :2011284454

:26/12/2011 (32) Priority Date (33) Name of priority :Japan

country

(86) International :PCT/JP2012/008121 Application No

:19/12/2012 Filing Date

(87) International Publication: WO 2013/099160 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokvo 1000011 Japan (72) Name of Inventor: 1)YAMAGUCHI Hiroi

2)OKABE Seiji

3)INOUE Hirotaka 4)SUEHIRO Ryuichi

### (57) Abstract:

Filing Date

Provided is a grain oriented electrical steel sheet in which iron loss is reduced by a magnetic domain refining treatment the grain oriented electrical steel sheet having exceptional noise characteristics and the capability to effectively reduce noise generated when the grain oriented electrical steel sheet is used in a laminated form in a transformer core. A grain oriented electrical steel sheet having a forsterite film and a tension coating on front and rear surfaces the sheet being subjected to a magnetic domain refining treatment for introducing linear heat strain wherein the warpage in the rolling direction of the steel sheet in terms of the radius of curvature of the warped surface having the strain introduced surface as the inner side is 600 to 6000 mm inclusive; and the warpage in the direction perpendicular to the rolling direction in terms of the radius of curvature of the warped surface having the strain introduced surface as the inner side is at least 2000 mm.

No. of Pages: 22 No. of Claims: 4

(22) Date of filing of Application :27/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NOVEL ETHOSORB PROCESS FOR ENHANCING SHELF-LIFE OF GREEN BANANA

	:A23B	(71)Name of Applicant:
(51) International classification	7/152,	1)DR. PUNJABRAO DESHMUKH KRISHI
	A23L3/00	VIDYAPEETH
(31) Priority Document No	:NA	Address of Applicant :KRISHI NAGAR, AKOLA - 444 104,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	2)ICAR-ALL INDIA COORDINATED RESEARCH
(86) International Application No	:NA	PROJECT ON POST HARVEST TECHNOLOGY,
Filing Date	:NA	CIPHET, LUDHIANA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRADEEP ATMARAM BORKAR
Filing Date	:NA	2)SHYAM DALSINGH JADHAO
(62) Divisional to Application Number	:NA	3)VIVEK MAHADEO NACHANE
Filing Date	:NA	4)DINKAR SAKHARAM KHARCHE

### (57) Abstract:

The present invention is related to a novel process of preparing ethylene scrubber termed as Ethosorb for enhancing green shelf life of banana, wherein the formulation comprised of indigenous basic ingredients, filler material and the appropriate wrapping material to be used in appropriate proportion on weight basis and preparing pellets thereof. The Ethosorb pouches and silica gel pouches placed appropriately in limited mass of green banana wrapped air tightly in non-perforated 250 gauge HDPE wrapping material, can avoid ripening of bananas even upto 15 days followed by normal ripening.

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

(22) Date of filing of Application :02/06/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: STABLE AQUEOUS SUSPENSION HERBICIDE COMPOSITION CONTAINING GLYPHOSATE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A01N57/20,A01N57/02,A01P7/04 :1020110127916	(71)Name of Applicant:  1)NONGHYUP CHEMICAL CO. LTD.  Address of Applicant: 10F Central Tower 26 Hwangsaeul ro
(32) Priority Date	:01/12/2011	312 beon gil Bundang gu Seongnam si Gyeonggi do 463 769
(33) Name of priority country	:Republic of Korea	Republic of Korea (72)Name of Inventor :
(86) International Application No Filing Date	:PCT/KR2012/010301 :30/11/2012	1)KANG Soung Kuk 2)PARK Chul Hyun 3)KIM Moo Jeong
(87) International Publication No	:WO 2013/081409	4)YIM Yong Hyun 5)IM Wan Hyock
(61) Patent of Addition to Application Number Filing Date	:NA :NA	6)OH Youn Seok 7)LEE Bong Kuen 8)BAEK Nam Joo
(62) Divisional to Application Number Filing Date	:NA :NA	9)PARK Yong Pil 10)KIM Sung Ho 11)KIM Jin Soo

#### (57) Abstract:

The present invention relates to a stable aqueous suspension herbicide composition containing glyphosate and a preparation method thereof. The herbicide composition of the present invention comprises: a glyphosate salt and saflufenacil as herbicidal active ingredients; and one or more types of surfactants selected from the group consisting of (a) a polyoxyalkylene alkyl ether (b) polyoxyethylene sorbitan fatty acid ester and (c) a polyoxyalkylene alkyl amine an alkyl polyglycoside and a tetraalkyl ammonium organic or inorganic salt as an effect enhancer.

No. of Pages: 27 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :02/06/2014

(21) Application No.1078/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : ASSEMBLY COMPRISING TWO ELEMENTS ATTACHED BY INVISIBLE ATTACHMENT ORGANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/IN2011/000860 :15/12/2011	(71)Name of Applicant:  1)FAURECIA INTERIOR SYSTEMS INDIA PVT. LTD.  Address of Applicant: Plot No. T 187 Pimpri Industrial Area (B.G Block) Bhosari Pune 411026 Maharashtra State Maharashtra India (72)Name of Inventor:  1)ANKOLIKAR Swamiray
No	:WO 2013/088447	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The assembly (1) comprises a first element (2) having an inner face (6) and a second element (4) having an inner face (10) the inner face (6) of the first element (2) being attached to the inner face (10) of the second element (4) by at least one attachment device comprising a first attachment organ (14) and a second attachment organ (16) the first attachment organ (14) being engaged in the second attachment organ (16). The first attachment organ (14) comprises a hollow shaft (20) closed at one of its end (22) by the inner face (6) of the first element (2) and opened at its other end (24) said shaft (20) comprising at least one fixing element (28) formed on its outer wall (26) and the second attachment organ (16) comprises a hollow shaft (30) closed at one of its end (32) by the inner face (10) of the second element (4) and opened at its other end (34) said shaft (30) comprising at least one complementary fixing element (38) formed on the inner wall (36) of said shaft (30).

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

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1090/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: HYBRID SOLAR ENERGY RECOVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H01L31/058 :61/567759 :07/12/2011 :U.S.A. :PCT/CA2012/001120 :06/12/2012 :WO 2013/082701 :NA :NA	(71)Name of Applicant:  1)DELSAUT James Address of Applicant:242 Maki Avenue Sudbury Ontario P3E 2P2 Canada 2)LEDUC Gilles (72)Name of Inventor: 1)DELSAUT James 2)LEDUC Gilles
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A hybrid solar energy recovery system comprises a frame and a dual purpose solar energy recovery plate mounted to the frame. The plate has a plurality of lenses on an upper surface of the plate for concentrating incident solar radiation on the plate the plate comprising a heat exchanger to recover thermal energy and a plurality of photovoltaic cells for generating an electric current in response to solar radiation incident on the photovoltaic cells. A single system can thus provide both electric power hydronic heating and domestic hot water.

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

(21) Application No.3631/MUM/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: AN IMPROVED TUBE/PIPE BENDING DEVICE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	B21D7/00, 321D7/06 NA NA NA NA NA NA NA NA NA NA NA	(71)Name of Applicant:  1)L & T MHPS BOILERS PVT. LTD  Address of Applicant: SURAT - HAZIRA ROAD, HAZIRA (WEST), SURAT 394510,GUJARAT Gujarat India (72)Name of Inventor:  1)MR. PANKAJ PATEL 2)MR. KEYUR PAREKH
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## (57) Abstract:

An improved tube or pipe bending device (1) provides 1D bending of tube (6) without heating. 1D bending means bending radius to tube (6) diameter ratio is 1 for different sizes of tube (6). An improved tube or pipe bending device (1) mainly comprises of: Bend die \(\frac{1}{2}\) Pressure die (3) Clamp die (4) Booster die (5)

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

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DIGITALLY CONTROLLED REGULATED POWER SUPPLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G05F1/62, G05F1/10 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RAVINDRA CHANDRABHAN THOOL Address of Applicant: 204, SHRI SAI APARTMENT, NEAR NEHRU ENGLISH SCHOOL, NANDED-431605, MAHARASHTRA, INDIA 2)CHETAN RAJESH SOLANKI 3)SATISH ROHIDAS PAWALE 4)RAHUL NARAYAN DHOLE 5)VISHAL SHIVAJI UNDRE (72)Name of Inventor: 1)SATISH ROHIDAS PAWALE 2)CHETAN RAJESH SOLANKI 3)RAVINDRA CHANDRABHAN THOOL 4)VISHAL SHIVAJI UNDRE 5)RAHUL NARAYAN DHOLE
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# (57) Abstract:

In Traditional Power supply the voltage is varied by varying the potentiometer by means the accuracy get decreased. But for more accuracy and more safety this idea introduced the Digitally Controlled Regulated Power Supply. The idea involves to control output digitally. The input to the microcontroller given through keypad. Enter the required value of voltage through keypad this system will give required output voltage.

No. of Pages: 8 No. of Claims: 3

(21) Application No.1091/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/06/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING **SAME**

(51) International :C22C38/00,C21D8/12,C22C38/60 classification

(31) Priority Document No :2011289783 :28/12/2011 (32) Priority Date

(33) Name of priority :Japan

country (86) International

:PCT/JP2012/084307 Application No :28/12/2012 Filing Date

(87) International Publication: WO 2013/100200

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72)Name of Inventor: 1)TAKAJO Shigehiro 2)SUEHIRO Ryuichi 3)YAMAGUCHI Hiroi

(57) Abstract:

The present invention addresses the problem of providing a grain oriented electrical steel sheet that when used for a transformer core or the like produces an extremely low amount of noise and iron loss exhibits high energy utilization efficiency and enables the manufacture of a transformer that can be used in a variety of environments. The present invention pertains to a strain distribution in a rolling direction cross section in a region in which closure domains are formed said strain distribution being characterized in that the maximum tensile strain in the thickness direction is at most 0.45% and the maximum tensile strain (t) (%) and maximum compressive strain (c) (%) in the rolling direction satisfy relation (1), (1) t + 0.06 = t + c = 0.35

No. of Pages: 26 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :03/06/2014

(21) Application No.1093/MUMNP/2014 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: FOAM SHEET USING CROSS LINKED POLYLACTIC ACID AND PREPARATION METHOD THEREOF

(51) International classification :C08J9/04,C08L67/04,B32B5/18 (71)Name of Applicant: (31) Priority Document No :1020110133976 :13/12/2011 (32) Priority Date (33) Name of priority country :Republic of Korea (86) International Application :PCT/KR2012/010514

:WO 2013/089387

:06/12/2012 Filing Date

(87) International Publication

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

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(72)Name of Inventor: 1)KANG Chang Won

2)HUANG Cheng Zhe 3)SON Ji Hyang

#### (57) Abstract:

The present invention relates to a foam sheet using a cross linked polylactic acid and a preparation method thereof and more specifically to a polylactic acid foam sheet having excellent water resistance and processability relatively high foaming magnification and a uniform closed foam cell structure which is obtained by preparing a cross linked polylactic acid resin using a composition comprising a polylactic acid a cross linking agent and/or a cross linking aid under a predetermined condition forming a sheet form using a composition comprising the cross linked polylactic acid resin and a foaming agent under a predetermined condition and foaming the same under a relatively high temperature condition and to a preparation method thereof.

No. of Pages: 24 No. of Claims: 21

(21) Application No.1071/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: FILLERS FOR FOAMED RIGID POLYMER PRODUCTS

(51) International classification :C08J9/00,C08J9/04,C08K3/26 (71)Name of Applicant :

(31) Priority Document No :61/567270 (32) Priority Date :06/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/EP2012/074120 Filing Date :30/11/2012

(87) International Publication No: WO 2013/083492

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

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Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen

Switzerland

(72)Name of Inventor: 1)RAYMOND Edward

2)LEWIS Rabun Walker

#### (57) Abstract:

The present invention relates to a resin composition for preparing foamed rigid polymer products comprising at least one polymer resin a surface treated calcium carbonate having a weight median particle diameter of between 0.1 µm and 1 µm measured according to the sedimentation method in an amount of at least 10 parts per hundred parts of the at least one polymer resin (phr) and a blowing agent in an amount of less than 1 phr to a foamed rigid polymer product prepared from the composition to a method for preparing a foamed rigid polymer product as well as to the use of a calcium carbonate for reducing the density of a foamed rigid polymer product.

No. of Pages: 51 No. of Claims: 24

(21) Application No.1072/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date: 13/02/2015

# (54) Title of the invention: MATERIAL ANALYSIS SYSTEM METHOD AND DEVICE

(51) International :G03H1/08,G03H1/00,G01N15/02 classification

(31) Priority Document No :2011/08880

(32) Priority Date :02/12/2011 (33) Name of priority country: South Africa

(86) International Application :PCT/IB2012/056846

:30/11/2012 Filing Date

(87) International Publication: WO 2013/080163 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)CSIR

Address of Applicant: Meiring Naude Road Brummeria 0001

Pretoria South Africa (72) Name of Inventor: 1)NAIDOO Thegaran 2)SWART Johan Hendrik

3)HUGO Suzanne

4)VAN ROOYEN Pieter

#### (57) Abstract:

The invention relates to a system and method of analysing material as well as to an apparatus for analysing material particularly though not necessarily exclusively biomaterial. The invention entails receiving holographic intensity data comprising at least a holographic intensity pattern associated with a sample of the material of interest and processing by applying image processing algorithms and techniques the received holographic intensity data at least to perform one or both steps of detecting and identifying at least one object of interest in the sample thereby at least to generate a suitable output.

No. of Pages: 50 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :08/02/2013

(43) Publication Date: 13/02/2015

(21) Application No.1070/CHENP/2013 A

## (54) Title of the invention: OXYGEN ENRICHMENT DEVICE FOR VENTILATOR

(51) International :A61M16/00,A61M16/12,A61M39/08 classification

(31) Priority Document :12/883021

(32) Priority Date :15/09/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/046792 Application No :05/08/2011

Filing Date

(87) International

:WO 2012/036802 Publication No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to

:NA Application Number :NA

Filing Date

# (71)Name of Applicant: 1)COVIDIEN LP

Address of Applicant: 15 Hampshire Street Mansfield MA 02048 U.S.A.

(72) Name of Inventor:

1)CRAWFORD Richard William Jr.

2)PLATT Clayton Roy

## (57) Abstract:

An enrichment device for mixing ambient air with a gas such as oxygen has a rigid outer housing defining a reservoir. The housing has an outlet port for attachment to a cyclic low pressure source an ambient air inlet and a second inlet for connection to a supply of pressurized gas. The reservoir has a plurality of internal walls defining a passageway having a plurality of turns defining a tortuous path for gas flow between the ambient air inlet and the outlet port and the second inlet communicates with the passageway at a location at or close to the outlet port.

No. of Pages: 25 No. of Claims: 49

:NA

(19) INDIA

(22) Date of filing of Application :14/02/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: MOBILE TERMINAL APPARATUS AND WIRELESS COMMUNICATION METHOD

(51) International (71)Name of Applicant: :H04W72/04,H04J11/00,H04J13/00 1)NTT DOCOMO INC. classification (31) Priority Document No :2010181944 Address of Applicant: 11 1 Nagatacho 2 chome Chivoda ku :16/08/2010 Tokyo 1006150 Japan (32) Priority Date (33) Name of priority (72) Name of Inventor: :Japan 1)KISHIYAMA Yoshihisa country (86) International 2)TAKEDA Kazuaki :PCT/JP2011/068548 Application No :16/08/2011 Filing Date (87) International :WO 2012/023552 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

#### (57) Abstract:

**Application Number** 

Filing Date

The objective of the invention is to efficiently transmit feedback control information over a physical upstream control channel in a communication system having a system band constituted by a plurality of fundamental frequency blocks. There are included a demodulation unit that demodulates a downlink shared channel signal for each of a plurality of fundamental frequency blocks; a determination unit that determines on the basis of the downlink shared channel signal as demodulated a state of a retransmission response signal for each of the plurality of fundamental frequency blocks; and an uplink control channel processing unit that maps the retransmission response signals of the plurality of fundamental frequency blocks to the uplink control channel of a particular fundamental frequency block selected from the plurality of fundamental frequency blocks. The uplink control channel processing unit selects a plurality of allocated resources from the uplink control channel and specifies the states of the retransmission response signals of the plurality of fundamental frequency blocks by use of channel selection information and bit information using phase shift modulation.

No. of Pages: 59 No. of Claims: 7

(21) Application No.1210/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :14/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR THE CONTINUOUS SINTERING OF MINERAL MATERIAL AND SINTERING EQUIPMENT

(51) International classification	n:F27B21/06,F27B9/12,C22B1/26	(71)Name of Applicant:
(31) Priority Document No	:20105987	1)OUTOTEC OYJ
(32) Priority Date	:24/09/2010	Address of Applicant :Riihitontuntie 7 FI 02200 Espoo
(33) Name of priority country	:Finland	Finland
(86) International Application	DOT/FI2011/050012	(72)Name of Inventor:
No	:PCT/FI2011/050813	1)OIKARINEN Pivi
Filing Date	:21/09/2011	
(87) International Publication No	:WO 2012/038602	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application	:NA	
Number		
E!!! D.4.	:NA	

# (57) Abstract:

Filing Date

The invention relates to a method and equipment for the continuous sintering of mineral material in a sintering furnace (S). In the method a material bed (2) is formed on a conveyor base (1) the material bed (2) is conveyed by the conveyor base (1) through the process zones (I VII) of the sintering furnace that have different temperatures the zones including at least one drying zone (I) at least one cooling zone (VII) and at least one other process zone (II III IV V VI) between the said drying zone and cooling zone and gas is conducted through the conveyor base and the material bed (2) when the material bed travels through the process zones (I VII) and gas is circulated in a circulation gas duct (3) from the last cooling zone (VII) to the drying zone (I). Part of the gas flow that is conducted to the drying zone (I) in the circulation gas duct (3) is removed as an exhaust gas flow (B) by the exhaust gas blower (5) of an exhaust gas duct (4). The volume flow of the exhaust gas flow (B) is regulated by regulating the blowing power of the blower (5) to control the temperature of the gas flow travelling through the material bed in the drying zone.

No. of Pages: 15 No. of Claims: 11

(22) Date of filing of Application :22/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TRANSPO POWER STATION BY USING POTKIN ENERGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02K :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)BORIS V.J. BRITTO  Address of Applicant: 2/44-IIIRD EXTENSION, EZHIL  NAGAR-TRICHY - 620 014 Tamil Nadu India  (72)Name of Inventor:  1)BELINA V.J. SARA
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#### (57) Abstract:

Transpo power station by using Potkin energy Abstract: Traspo power station can be broadly divided into two types Type -A and Type -B. Type- A is Transpo road power station and type -B is Transpo rail power station. A. Transpo road power station: Transpo road power station comprises PK devices and its related structure members are arranged set-1, set-2, set-3,... as per schematic diagram -A (LHS & RHS). Schematic diagram -A (LHS & RHS) shows the arrangement of the PK device sets along the road surface, one or more transmissions, flywheels or gearboxes and generators for a typical 150MW power station. When vehicles passed over the surface of treadle bridge or fixture bridge or lever and structural members connecting said treadle bridge or fixture bridge or lever at least two hinge points, whereby motions of said treadle bridge or fixture bridge or lever relative to one another generates torque, one or more shafts or other means by which to transfer torque connected to one or more generators, and a means by which to ensure that one or more generator output currents flow in a single useful direction despite the reversing of generator rotation. When the treadle bridge or fixture bridge or lever oscillates, it rotates the connected shaft, due to which a current is produced in the generator coil. This voltage can be stepped up through a transformer to match the natural grid. B. Transpo rail power station Transpo rail power station comprises PK devices and its related structure members are arranged as per schematic diagram -B(LHS & RHS). Schematic diagram B(LHS & RHS)- shows the arrangement of the PK devices along the rail surface, one or more transmissions, flywheels or gearboxes and generators for a typical 1000MW power station. When modified bogie wheels passed over the surface of the fixture flap or hinged lever and structural members connecting said fixture flap or hinged lever at least two hinge points, whereby motions of said fixture flap or hinged lever relative to one another generates torque, one or more shafts or other means by which to transfer torque connected to one or more generators, and a means by which to ensure that one or more generator output currents flow in a single useful direction despite the reversing of generator rotation. When the fixture flap or hinged lever oscillates, it rotates the connected shaft, due to which a current is produced in the generator coil. This voltage can be stepped up through a transformer to match the natural grid. The value of the MW generated depends on: - weight of the vehicles passed over the surface of the device. - the speed of the vehicles passed over the surface of the device. - number of vehicles passed over the surface of the device per hour. - number of devices used in a set - active width of the device. - wheel base of the vehicle are passed over the surface of the device. - number of spare vehicle are in use.

No. of Pages: 18 No. of Claims: 6

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NONINVASIVE MAGNETIC FIELD APPLICATOR FOR HYPERTHERMIA APPLICATION

(51) Intermediated description	. A C1N11/00	(71)NJ
(51) International classification	:A61N1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VAZHAPPILLY LONA JOSEPH JOLY
(32) Priority Date	:NA	Address of Applicant :VAZHAPPILLY HOUSE,
(33) Name of priority country	:NA	VADAKKEKAD P.O., THRISSUR - 679 562 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VAZHAPPILLY LONA JOSEPH JOLY
(87) International Publication No	: NA	2)JOSHI GILBERT
(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 magnetic field applicator for use in hyperthermia employing magnetic particles, for destroying tumour tissues. The system comprises an electromagnet assembly, which can be driven with a variable frequency power source via an electrical coupling circuit. The electromagnet is composed of a pair of identical copper coils, a soft-ferrite yoke and a pair of identical pole shoes, with the physical layout of the individual components arranged/designed such that the a maximally efficient localized homogeneous heating of the biological tissue is obtained. It produces a sinusoidally oscillating magnetic field in the frequency range of 10 kHz to 500 kHz, with maximum amplitude of 20 kAm1. This applicator is suitable for hyperthermia using a wide range of size of magnetic particles ranging from a few nanometers to a few millimeters. These magnetic particles, which are transducers for converting magnetic energy into thermal energy, could be as immobilized in the biological tissue or as dispersed in a liquid medium or in solid state. Also, the use of surface-functionalized, nanometer-sized magnetic particles to generate in-vitro or in-vivo hyperthermia for Nanotechnological and Nanomedical applications are envisaged.

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

(21) Application No.1286/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: FORCE TRANSFER MECHANISM

(51) International classification :F16H23/04,F16H23/00,F16H21/00

(31) Priority Document No :1020100083687 (32) Priority Date :27/08/2010

(33) Name of priority :Republic of Korea

country

(86) International :PCT/KR2011/006342

Application No Filing Date :26/08/2011

(87) International

Publication No :WO 2012/026790

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant: 1)KIM Young Hee

Address of Applicant: 105 1201 Daeu APT Dadae dong Saha

gu Busan si S 640 050 Republic of Korea (72)Name of Inventor:

1)KIM Young Hee

## (57) Abstract:

The present invention relates to a force transfer mechanism which has a simpler structure and smaller volume than conventional force transfer mechanisms adopting cams cranks or gears and which converts a linear reciprocating motion performed by force into a linear reciprocating motion in a direction perpendicular to the movement direction of the force. The force transfer mechanism of the present invention comprises: a cylindrical guide housing; a movable body which is slidably arranged in the guide housing so as to move in a linear direction by means of an externally applied force and which comprises a cutout groove having one or more inclined surfaces and through holes formed in a direction perpendicular to the linear motion direction in portions corresponding to the inclined surfaces; and a slave unit one end of which is coupled to the movable body such that said end passes through the through holes of the movable body and moves along the inclined surfaces of the cutout groove vertically relative to the movement direction of the movable body and the other end of which is elastically supported such that the slave unit moves orthogonally to the movement direction of the movable body in conjunction with the linear movement of the movable body.

No. of Pages: 46 No. of Claims: 19

(21) Application No.1287/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FORMING APPARATUS HEATING STATION AND METHOD FOR HEATING SET PORTIONS

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:B29C51/42,B29C51/46,B29B13/02 :MO2010A000224 :02/08/2010 :Italy :PCT/IB2011/053298 :25/07/2011 :WO 2012/017352 :NA	(71)Name of Applicant:  1)SARONG SOCIETA PER AZIONI Address of Applicant: Via Colombo 18 I 42046 Reggiolo (RE) Italy (72)Name of Inventor: 1)BARTOLI Andrea 2)TRALDI Flavio
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A forming apparatus for forming objects (32) by forming a sheet of thermoformable material (2) comprises a thermal conditioning station (5) including a kiln (6) for heating the material (2) to an operating temperature and a heating station (8) positioned downstream of the thermal conditioning station (5) and including heating means (9) to heat set portions of the material (2) to a temperature near a softening temperature of the material (2). In order to reduce reject material (2) at the restart of the apparatus (1) following a machine downtime the kiln (6) and the heating means (9) are positioned near one another in such a manner that a part (11) of the material (2) interposed between the thermal conditioning station (5) and the heating station (8) is heated by the heat generated by kiln (6) and/or by the heating means (9). A heating station and a method for heating set portions (23) are also disclosed.

No. of Pages: 39 No. of Claims: 45

(21) Application No.1125/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: KEY SLOT ILLUMINATION SYSTEM AND METHOD FOR A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01D :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:  1)SUNIL KUMAR CHIPPA 2)SAMRAJ JABEZ DHINAGAR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided description is disclosing an illumination system and method for different illuminable units of the vehicle such as key slot or switch unit. Mentioned illumination system gets activated only in the absence of a predefined wavelength of light i.e. in night time or in dark areas. This system has an ambient light sensor mounted over the light exposed part of vehicle and get activated on the predefined wavelength of light. On activation ambient sensor sends signals for activation of power supply to temperature and movement detection sensors mounted neighbouring the illuminable unit fixed in the vehicle. Multiple temperature and movement detection sensors are used in said system in order to neutralize existing error and noises surrounding vehicle.

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

(12) TATENT ATTLICATION TOBLICATION

(43) Publication Date: 13/02/2015

(21) Application No.1176/CHE/2013 A

(22) Date of filing of Application: 19/03/2013

# (54) Title of the invention: 360 DEGREE IRIS RETRACTION RING

(51) International classification (31) Priority Document No	:A61B17/00 :NA	(71)Name of Applicant: 1)DR. SATISH D SHET
(32) Priority Date	:NA	Address of Applicant :B 29/2, HEGGERI COLONY, OLD
(33) Name of priority country	:NA	HUBLI, HUBLI - 580 024 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. SATISH D SHET
(87) 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:

(19) INDIA

The invention discloses an iris retractor for use during eye surgery. The retractor comprises a substantially circular, resilient C-shaped hollow ring made of PMMA (Polymethyl methacrylate), silicone or other biomaterial formed into a partial circle in cross section having curved surface to cover the anterior and the Posterior portion of the iris at the pupillary margin. It has a 360 degree rim with two open ends-one end with an eyelet with a keyhole like opening on the upper surface and the other end with a button on an arm on the same surface to provide an interlocking mechanism. Once the ring is placed in situ with an interlocking mechanism, it provides 360 degree tension on the iris to retract. The (PMMA or silicone) ring can be injected through a 2.2mm or larger clear corneal or limbal incision either manually or through a custom made injector.

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

(21) Application No.1223/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :14/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR STARTING A SINTERING FURNACE AND SINTERING EQUIPMENT

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:PCT/FI2011/050816 :22/09/2011 :WO 2012/038603 :NA :NA	(71)Name of Applicant:  1)OUTOTEC OYJ Address of Applicant: Riihitontuntie 7 FI 02200 Espoo Finland (72)Name of Inventor: 1)HERLEVI Tuomas
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a method and equipment for starting up a strand sintering furnace (1). During start up the sintering furnace is heated in order to create suitable production temperatures in the different process zones (I VII) having different temperatures said zones including a drying zone (I) a heating zone (II) a sintering zone (III) an equalizing zone (IV) a first cooling zone (V) a second cooling zone (VI) and a third cooling zone (VII). During start up the cooling gas to be conducted to the second cooling zone (VI) is heated by means of a heating device (3) up to a temperature that is higher than the ambient temperature.

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

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FUEL TANK ASSEMBLY FOR TWO WHEELERS

(86) International Application No Filing Date  (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date  (80) Divisional to Application Number Filing Date  (81) NA  Nadu India (72) Name of Inventor:  1) MD. AFSAR HUUSAIN KARIM 2) RAMESH VAIDHEESWARAN 3) BALAGURU SRIDHAR 4) BHUSAM SYAMALA RAO Filing Date	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA :NA :NA :NA :NA :NA	(72)Name of Inventor: 1)MD. AFSAR HUUSAIN KARIM 2)RAMESH VAIDHEESWARAN 3)BALAGURU SRIDHAR
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## (57) Abstract:

The present invention discloses a fuel tank assembly (40) for a scooter type vehicle. The fuel tank assembly (40) comprises a fuel tank top (40a) and a fuel tank bottom (40b), wherein the fuel tank top (40a) comprising an upper surface (40aa) and a lower surface (40ab), includes a stiffener member (60) disposed in the lower surface (40ab). Further, the stiffener member (60) is disposed below a recess (43) formed in the upper surface (40aa) meant for receiving a fuel pump unit (44) of the fuel tank. The stiffener member (60) thus disposed aids in increasing the stiffness of the fuel tank top (40a) locally and thereby prevents the fuel tank top (40a) from yielding due to load.

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

(19) INDIA

(22) Date of filing of Application :20/02/2013

(21) Application No.1373/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention : GAME DEVICE

(51) International classification :A63F13/12,A63F13/10,G06F13/00

:Japan

(31) Priority Document No :2010-176771 (32) Priority Date :05/08/2010 (33) Name of priority

country

(86) International

Application No :PCT/JP2011/067622 :01/08/2011

Filing Date (87) International

Publication No :WO 2012/017995 A1

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)SONY COMPUTER ENTERTAINMENT INC.

Address of Applicant :1 7 1 Konan Minato ku Tokyo

1080075 Japan

(72)Name of Inventor: 1)OSHIMA Takenori 2)FUJIHARA Masahiro 3)TAMURA Keigo

# (57) Abstract:

A user interface is provided having improved usability when users exchange messages relating to a game being transmitted said messages being exchanged while information relating to the state of the game which is being executed by a game device is transmitted to another game device. The game device executes a game application transmits information relating to the state of the executing game to the other game device receives from the transmission destination game device a message input by the user of the transmission destination game device in relation to the transmitted information and displays on a display means the received message and also a game image indicating the state of the game.

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

(21) Application No.1139/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :12/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SIGNALING METHOD BASE STATION MOBILE TERMINAL AND WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W72/04,H
(31) Priority Document No :2010181868
(32) Priority Date :16/08/2010
(33) Name of priority country :Japan

(86) International Application No
Filing Date
(87) International Publication No

Sapan

:3apan
:PCT/JP2011/068547
:16/08/2011
:WO 2012/023551

(61) Patent of Addition to Application
Number

Filing Date

(NA)

Filing Date :NA
(62) Divisional to Application Number:NA
Filing Date :NA

:H04W72/04,H04W28/06 (71)**Name of Applicant :** :2010181868 **1)NTT DOCOMO INC.** 

Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku

Tokyo 1006150 Japan (72)Name of Inventor:
1)ABE Tetsushi
2)MIKI Nobuhiko
3)OHWATARI Yusuke

(57) Abstract:

A signaling method base station and mobile terminal capable of signaling position information for muting resources via a simple configuration are provided. The signaling method is characterized by providing: a step in which blank resources for CSI RSs (Channel State Information Reference Signals) which are reference signals for estimating downlink channels are set; and a step in which bitmaps representing the positions of the blank resources are transmitted to mobile terminals.

No. of Pages: 45 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :13/02/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: FUNCTIONAL CHAIR

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date

:A47C7/62,A47C7/40
:1020100082621
:25/08/2010
:Republic of Korea
:PCT/KR2011/006255
:24/08/2011

(87) International Publication No :WO 2012/026758

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

(71)Name of Applicant : 1)CHUNG Jae Hun

(21) Application No.1190/CHENP/2013 A

Address of Applicant :2202 ho Hyundai Sungwoo Apt. 1316 15 Seocho dong Seocho gu Seoul 137 070 Republic of Korea

:PCT/KR2011/006255 (72)Name of Inventor : :24/08/2011 1)CHUNG Jae Hun

#### (57) Abstract:

The present invention relates to a functional chair having a new type of storage structure in which a versatile storage space is formed and various outer garments can be stored without being crumpled. To this end the present invention provides a functional chair which is a chair comprising: a sitting unit that provides a sitting area for a user; and a chair back unit that is provided in a vertically erected state at the back of said sitting unit and supports the user s back wherein said chair back unit comprises: a first chair back which supports the user s back; and a second chair back which is positioned at the back of said first chair back and is provided in a separated state from said first chair back whereby a space formed by the separation between the two chair backs can be provided as a storage space.

No. of Pages: 49 No. of Claims: 12

(22) Date of filing of Application: 13/02/2013

(19) INDIA

(54) Title of the invention: SPHERED BAND SEALING OBJECT

(51) International :F16J15/12,F01N13/08,F16J15/10 classification

(31) Priority Document No :2010184406 (32) Priority Date :19/08/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/004272

Filing Date

:28/07/2011 (87) International Publication

:WO 2012/023244 No (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)OILES CORPORATION

(43) Publication Date: 13/02/2015

(21) Application No.1191/CHENP/2013 A

Address of Applicant: 6 34 Kounan 1 chome Minato ku

Tokyo 1080075 Japan (72) Name of Inventor:

1)KAIDA Hidetoshi 2)KUROSE Kouhei

#### (57) Abstract:

Disclosed is a sphered band sealing object (34) which comprises: a sphered band base (32) defined by a cylindrical inner surface (28) a partly protrudent spherical surface (29) and annular edge surfaces (30 31); and an outer layer (33) integrated with the partly protrudent spherical surface (29). The sphered band base (32) comprises; a reinforcement (5) constituted of a wire gauze (4); and a heat resistant material (6) which comprises expanded graphite and a phosphate and which has been intermingled and integrated with the reinforcement (5). The outer layer comprises: a heat resistant material (6) comprising expanded graphite and a phosphate; and a reinforcement (5) which is constituted of a wire gauze (4) and which has been intermingled and integrated with the heat resistant material (6). The expanded graphite contained in the heat resistant material (6) has an ash content of 0.1 mass% or lower and a graphite content of 99.7 mass% or higher.

No. of Pages: 61 No. of Claims: 14

(21) Application No.1708/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : IN IMPROVED SYSTEM FOR MOUNTING HEATING PANELS WITHOUT DRILLING HOLES ON THE WALL

(51) International classification	:F16M11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)'HBN' AGENCIES
(32) Priority Date	:NA	Address of Applicant :1-3-183/40/70/4,GADHI NAGAR,
(33) Name of priority country	:NA	HYDERABAD - 500 080 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)V. PATTABHI
(87) 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 improved system for Mounting Heating Panels on to wall without drilling holes on the wall, comprising at least one grooved vertical member to maintain a predetermined gap between the wall and the heating panel, the gap allowing natural convection. of currents for heat transfer; a plurality of slots provided on upper portion of the vertical member enabling insertion of the heating panel; a plurality of spacers fixed on the wall using adhesive; wherein the top portion of the panel having at least two fixing holes, and wherein the vertical stand the upper portion of the panel are fixed to the wall via said plurality of spacers.

No. of Pages: 13 No. of Claims: 3

(21) Application No.1045/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SPEED ENHANCING SYSTEM USING A MOVING BASE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B61B :NA :NA :NA :NA	(71)Name of Applicant:  1)DR SHISHIR SHETTY  Address of Applicant: ROSHNI, NEXT TO BHARATH BEEDI BUILDING, KADRI ROAD, KADRI, MANGALORE - 575 003 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR SHISHIR SHETTY
(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 deals with speed enhancing train system comprising of basic railway track between two desired destinations and a train engine on the said track with an attached platform having wheels and being parallel to the basic railway track and having a track running throughout its length . The preferred length of the said platform with the track is two third of the total distance between the two desired destinations .A second train engine with attached coaches capable of running on the tracks on the platform attached to the first engine .As both the engines run in the same direction the total speed achieved is additive and greatly enhanced.

No. of Pages: 11 No. of Claims: 15

(21) Application No.1129/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AUTOMATED BELT TENSIONING SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TRACTORS AND FARM EQUIPMENT LIMITED  Address of Applicant: NO. 861, ANNA SALAI, CHENNAI  - 600 002 Tamil Nadu India (72)Name of Inventor:  1)S. JAYAKANNA
Filing Date	:NA	

## (57) Abstract:

An automated belt tensioning system and method is disclosed. The system comprises a drive pulley(117), which drives a driven pulley(116) by employing a belt(118), a tensioner pulley(101), a metal shaft(103) comprising a first end(102) and a second end(105) and a pivot point,(104) a cylinder(109) with a piston(106), an actuating valve(112) and at least two fluid flow points(107&108), wherein the tensioner pulley(101) is associated with the first end of the metal shaft(102) and the piston(106) of the cylinder(109) is associated with the second end of the metal shaft(105); the end of the cylinder(109) that is linearly opposite the end that is associated with the second end of the metal shaft(105) is fixed with a fixing point(110) of a stand(111); and the metal shaft(103) is rotatable in both a clockwise(203) and a counter-clockwise direction(204) with respect to the pivot point(104). The cylinder(109) may be hydraulic or pneumatic, and the fluid may be hydraulic oil or pressurized gas.

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

(21) Application No.1227/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SAFETY SYSTEM FOR A SADDLE TYPE VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G05B19/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:  1)SUNIL KUMAR CHIPPA 2)SAMRAJ JABEZ DHINAGAR
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## (57) Abstract:

The present subject matter discloses a safety system for a saddle type vehicle for detecting the presence of an operator on a seat of a two wheeled saddle type vehicle and/or facilitating helmet detection. It comprises of an image sensor member positioned on the body of the vehicle and a processing system to process the outputs of the image sensor member. The safety system immobilizes the vehicle in absence of the operator on the vehicle seat and thereby prevents its movement even on accidental operation of the throttle.

No. of Pages: 25 No. of Claims: 9

(21) Application No.1765/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR IMPROVING ACCURACY IN PERFUSION-DIFFUSION MISMATCH ASSESSMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01R33/00 :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY  Address of Applicant: 1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CHEBROLU, VENKATA VEERENDRA NADH
(87) International Publication No	: NA	2)SHANBHAG, DATTESH DAYANAND
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and system for magnetic resonance imaging are presented. Magnetic resonance imaging data corresponding to a target volume of a subject is received, where the received magnetic resonance imaging data includes one or more diffusion-based magnetic resonance images. At least one customization parameter, which is configured to customize the received magnetic resonance imaging data based on one or more customization preferences is determined to synthesize customized magnetic resonance imaging data. Diffusion-based lesion segmentation is performed using the customized magnetic resonance imaging data. Further, a pathological condition of the subject is determined at least based on the diffusion-based lesion segmentation.

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

(22) Date of filing of Application :07/02/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD FOR ADJUSTING THE ELECTROMAGNETIC TORQUE OF ELECTRIC TRACTION MOTORS OF RAILWAY VEHICLES

(51) International classification :H02P21/12,B60L15/20 (71)Name of Applicant : (31) Priority Document No :P201001061 (32) Priority Date :12/08/2010 (33) Name of priority country :Spain (86) International Application No :PCT/ES2011/000120

Filing Date :14/04/2011 (87) International Publication No :WO 2012/020153 (61) Patent of Addition to Application

:NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)CAF POWER & AUTOMATION S.L.U.

Address of Applicant :Paseo Mikeletegi N° 58 2° Parque Tecnol<sup>3</sup>gico de San Sebastian E 20009 San Sebastian Guipuzcoa

(72)Name of Inventor:

1)NIEVA FATELA Txomin 2)ALBERDI UGARTE Adur

3)GAZTA'AGA ARANZAMENDI Haizea

#### (57) Abstract:

Method for adjusting the electromagnetic torque of electric traction motors of railway vehicles using inverters that take a direct voltage in order to power electric motors and to control the electromagnetic torque (Tem) thereof in which the inverters comprise transistors (Tr1...Tr6) that switch between: active switching states (E.A.) corresponding to a non zero voltage at the inverter output and zero switching states (E.N.) corresponding to a zero voltage at the inverter output. The electromagnetic torque (Tem) of the electric motors is adjusted by the selective insertion of hybrid zero vectors that generate additional zero switching states (E.N.V.) corresponding to a zero voltage at the inverter output thereby reducing the electromagnetic torque (Tem) of the electric motor in response to variations in the direct voltage.

No. of Pages: 16 No. of Claims: 3

(19) INDIA

(21) Application No.1653/CHE/2013 A

(->) -- --

(22) Date of filing of Application :12/04/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: YIELDING FAN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F04D25/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)S. HARISH KUMAR  Address of Applicant: 44, NARASINGA PERUMAL KOIL  STREET, CHOOLAI, CHENNAI - 600 112 Tamil Nadu India  (72)Name of Inventor:  1)S. HARISH KUMAR
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## (57) Abstract:

The invention is about the incorporation of a polymeric material (with an idea behind it) to a conventional ceiling fan in-order to prevent the suicide attempt by hanging over a conventional ceiling fan. Moreover it will also expose ones suicide attempt to the society. This modified ceiling fan is named as YIELDING FAN which has added polymeric materials and changes in the design of the down rod. When someone tries to hang oneself from the Yielding fan, the polymeric material which is incorporated will elongate vertically downwards and makes the suicide attempt futile. Thus the Yielding fan performs the normal function of a typical ceiling fan (ie. circulate air) and besides it also helps in suicide prevention.

No. of Pages: 11 No. of Claims: 4

(21) Application No.1946/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SATELLITE NAVIGATION AUGMENTATION SYSTEM AND SATELLITE NAVIGATION AUGMENTATION METHOD

:G01S19/08,G01S19/15 (71)Name of Applicant : (51) International classification (31) Priority Document No :2010204289 (32) Priority Date :13/09/2010 (33) Name of priority country :Japan (86) International Application No :PCT/JP2011/069970

Filing Date :26/08/2011

(87) International Publication No :WO 2012/035992 (61) Patent of Addition to Application

:NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)NEC CORPORATION

Address of Applicant: 7 1Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72)Name of Inventor: 1)IWASAKI Ryuichiro 2)NOZAKI Yutaka

#### (57) Abstract:

Provided is a satellite navigation augmentation system comprising a threshold value calculation unit that calculates a monitor threshold value used for determining the suitability of a carrier to noise power density ratio (C/No) value at the time when a pseudorange is measured on the basis of a signal from a GPS satellite and a pseudorange determination unit that determines whether the pseudorange has appropriate precision by comparing the C/No value and the monitor threshold.

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

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TEXT INPUT SYSTEM AND METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA :NA	(71)Name of Applicant:  1)KEYPOINT TECHNOLOGIES INDIA PVT. LTD.  Address of Applicant:9TH FLOOR, QUADRANT 1,  CYBER TOWERS, HITEC CITY, HYDERABAD - 500 081
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHAILAJA GUMMADIDALA
(61) Patent of Addition to Application Number	:NA	2)PRIMA DONA KURIAN
Filing Date	:NA	3)SANDEEP YELUBOLU
(62) Divisional to Application Number	:NA	4)SUMIT GOSWAMI
Filing Date	:NA	5)SUNIL MOTAPARTI

#### (57) Abstract:

The present invention relates to a computer-implemented method for inputting text into an electronic device (10). A virtual keyboard (30) having a plurality of keys (40) is displayed on a display screen (20) and one or more characters are associated with each key. An input pattern is generated by a user and the key(s) (40) positioned on or proximal to the input pattern are identified. The keys (40) in the virtual keyboard (30) are allocated to pre-defined groups (50A, 50B, 50C), such that each group comprises a plurality of said keys (40). The input pattern is encoded in dependence on the pre-defined groups in which each of said one or more identified keys (40) are arranged. A candidate word or words is identified to be input into the electronic device (10) based on the encoded input pattern. The present invention also relates to computer-implemented methods for identifying candidate words based on the correlation between input and candidate string lengths; and/or upper/lower input length thresholds; and/or the identification of valid/invalid string combinations. The present invention also relates to a corresponding system, such as a computational apparatus (10).

No. of Pages: 59 No. of Claims: 32

(19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.1193/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: FE V REDOX FLOW BATTERIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M8/18,H01M8/02 :12/892698 :28/09/2010	(71)Name of Applicant:  1)BATTELLE MEMORIAL INSTITUTE Address of Applicant: Intellectual Property Legal Services P.O. Box 999 M/S K1 53 Richland Washington 99352 U.S.A. (72)Name of Inventor: 1)LI Liyu 2)KIM Soowhan 3)YANG Zhenguo 4)WANG Wei 5)ZHANG Jianlu 6)CHEN Baowei 7)NIE Zimin 8)XIA Guanguang
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## (57) Abstract:

A redox flow battery having a supporting solution that includes Cl anions is characterized by an anolyte having V and V in the supporting solution a catholyte having Fe and Fe in the supporting solution and a membrane separating the anolyte and the catholyte. The anolyte and catholyte can have V cations and Fe cations respectively or the anolyte and catholyte can each contain both V and Fe cations in a mixture. Furthermore the supporting solution can contain a mixture of SOand Cl anions.

No. of Pages: 42 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :18/02/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention : METHOD FOR CHECKING AN OPTICAL SECURITY FEATURE OF A VALUABLE DOCUMENT

(51) International classification:G07D7/12,G07D7/20(31) Priority Document No:10 2010 047 948.9(32) Priority Date:08/10/2010(33) Name of priority country:Germany(86) International Application No<br/>Filing Date:PCT/EP2011/005025

(87) International Publication No :WO 2012/045472
(61) Patent of Addition to Application

Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA
Filing Date

:G07D7/12,G07D7/20 (71)Name of Applicant :

1)GIESECKE & DEVRIENT GMBH

(21) Application No.1290/CHENP/2013 A

Address of Applicant :Prinzregentenstrae 159 81677

M<sup>1</sup>/4nchen Germany (72)Name of Inventor: 1)SU Shanchuan 2)HOLL Norbert

#### (57) Abstract:

Described is a method for checking a specified optical security feature in or on a specified section of a valuable document on the basis of pixel data of pixels of an image of the specified section which are assigned in each case to locations in or on the section and represent optical properties of the valuable document at the locations in which method a check is carried out as to whether a first number of those pixels or a first proportion of those pixels of the pixels of the image whose pixel data are within a first reference region specified for the security feature according to a first specified criterion exceeds a first hit minimum value specified for the security feature and whether a first scattering of the pixel data of those pixels which are within the first reference region for the pixel data according to the first criterion exceeds a first scatter minimum value specified for the security feature and in dependence on the result of the check an authenticity signal is formed which represents an authenticity indication only if the first number or the first proportion exceeds the first hit minimum value and the scattering exceeds the first scatter minimum value.

No. of Pages: 58 No. of Claims: 24

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR SEMI-AUTOMATED PERFUSION DIFFUSION MISMATCH ASSESSMENT

(51) International classification	:G06T7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CHEBROLU, VENKATA VEERENDRA NADH
(87) International Publication No	: NA	2)MULLICK, RAKESH
(61) Patent of Addition to Application Number	:NA	3)SHANBHAG, DATTESH DAYANAND
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and system for MRI are disclosed. PW and DW images corresponding to a VOI of a subject are generated. Further, one or more seed points are received from a user. Additionally, DW and PW parametric maps corresponding to the DW and PW images, respectively, are generated. The DW parametric maps may include ADC maps. Moreover, ROI masks are generated. Further, a DW lesion segmentation may be performed based on iterative and adaptive multilevel thresholding applied to different DW image regions using the ADC maps, the PW parametric maps, the masks, the seed points, and/or reference data. Additionally, lesion segmentation in the PW images is performed based on the DW lesion segmentation, the seed points, contralateral analysis based on the DW and PW parametric maps, and/or the reference data. VOI characteristics affected by an ischemic stroke are determined based on the DW and PW lesion segmentation.

No. of Pages: 50 No. of Claims: 16

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VARIABLE DIAMETER DRILL TOOL

(51) International classification	:B23P	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SESHAIYA DURAISAMI CHANDRASEKAR SURYA
(32) Priority Date	:NA	PRAKASH
(33) Name of priority country	:NA	Address of Applicant :NO.65, PADMAVATHI
(86) International Application No	:NA	APARTMENTS, AROKIYASAMI ROAD (W), R.S. PURAM,
Filing Date	:NA	COIMBATORE - 641 002 Tamil Nadu India
(87) International Publication No	: NA	2)KEDAR BHARADWAJ
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SESHAIYA DURAISAMI CHANDRASEKAR SURYA
(62) Divisional to Application Number	:NA	PRAKASH
Filing Date	:NA	2)KEDAR BHARADWAJ

#### (57) Abstract:

A traditional drill tool is constrained to drill holes of only one particular diameter. The newly incepted Variable Diameter Drill Tool is a novel idea to drill holes of different diameters, within a range, using the same tool. The required variation in the diameter of the proposed drill Tool is achieved by using a four bar chain mechanism involving the following as tool components: Specially designed cutters, a threaded block, a translating block, a pilot drill, a lock nut, linkages and fasteners. Varying the diameter of the tool involves rotation of a knurled threaded block. As the threaded block mates with the external threading provided in the shank region of the pilot drill, lead screw mechanism gets realized upon its rotation and it displaces up/down along the tool axis depending upon the direction of rotation. This rotary cum translating motion of the threaded block gets converted into pure translatory motion of a translating block. This displacement of the translating block pulls/pushes the binary linkages. As the linkages are hinged to the specially designed spade drills which are again hinged on to the pilot drill, a change in the tool diameter gets realized.

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

(21) Application No.1182/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AUTOMATED SYSTEM FOR MENTAL THERAPY

Filing Date :NA (72)Name (87) International Publication No :NA (61) Patent of Addition to Application Number :NA	AD - 678 508 Kerala India of Inventor : EESH C
(61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

The following presents a simplified summary in order to provide a basic understanding of some aspects of the disclosed invention. This summary is not an extensive overview, and it is not intended to identify key/critical elements or to delineate the scope thereof. Its sole purpose is to present some concepts in a simplified form as a prelude to the more detailed description that is presented later. The present invention describes a new device and can be defined as an automatic programmable microcontroller based mental therapy device to help to gain concentration and relieve stress and related issues of human mind. The said device combines mantra therapy, music therapy, aroma therapy and chromo therapy and produce the effect of all through the stimulation of Sensory Organs, body and mind at a time. The device performs rituals of particular religion and at a specific time based on GPS and/or pre set time.

No. of Pages: 16 No. of Claims: 8

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: LOAD BALANCER SYSTEM AND METHOD FOR SERVER/NODES IN CLOUD ENVIROMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F15/16 :NA :NA :NA	(71)Name of Applicant:  1)P. ASHOK ANAND  Address of Applicant: NEW NO 108 OLD NO 158,  KUTCHERY ROAD, MYLAPORE, CHENNAI - 600 004
(86) International Application No	:NA	Tamil Nadu India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)P. ASHOK ANAND
(61) Patent of Addition to Application Number	:NA	2)GIRIBABUYERRADLA
Filing Date (62) Divisional to Application Number	:NA :NA	3)GOWRI SHANKAR
Filing Date	:NA	

#### (57) Abstract:

A load balancer system and method for handling loads of the server/nodes in a cluster of a cloud network. An application with respect to a customer/client can be received at a load balancer manager/module of a cluster in a cloud network in order to assign the application to a server/node within the cluster. At least one server/node parameter with respect to the plurality of server/nodes within the cluster can be determined using the load balancer module in order to thereby allocate the application to a master server/node in the cluster that efficiently executes the application with respect to the customer in the cloud network. The load balancer can be also adapted to monitor and determine the operating status of the plurality of server/nodes in the cluster in order thereby dynamically identify a secondary server/node that can handle the operations of the master server/node upon detecting a failure/alert at the master server/node. Such a system and method can be adapted in a wide range of cloud applications foreffectively handling loads in the server/nodes of the clusters in order maximize the usage of the resources in the cloud network.

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

(21) Application No.1684/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR IMPLEMENTING HIGH AVAILABILITY OF SERVER IN CLOUD ENVIRONMENT

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)P. ASHOK ANAND
(32) Priority Date	:NA	Address of Applicant :NEW NO 108, OLD NO 158,
(33) Name of priority country	:NA	KUTCHERY ROAD, MYLAPORE, CHENNAI - 600 004
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)P. ASHOK ANAND
(61) Patent of Addition to Application Number	:NA	2)GIRIBABUYERRADLA
Filing Date	:NA	3)GOWRI SHANKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for implementing high availability of the server/nodes in a cluster of a cloud network. An application with respect to a customer/client can be received at a high availability manager of a cluster in a cloud network in order to assign the application to a server/node within the cluster. A seed server/node from a plurality of server/nodes within the cluster can be identified with respect to the application based on the application information and correlation identity of the customer. The seed server/node can be assigned with a primary server/node status in order to thereby communicate the cluster information with respect to the seed server/node to the plurality of server/node located within the cluster. A secondary server/node with respect to the application can be identified and assigned a secondary server/node status in order to thereby route the traffic of the seed server/node upon detecting a failure/alert is generated in order to effectively implement the high availability of server/nodes within the cluster of the cloud network.

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

(21) Application No.2846/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A THIN-FILM PHOTO VOLTAIC CELL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01L31/00 :NA :NA :NA	(71)Name of Applicant: 1)INDIAN INSTITUTE OF SCIENCE Address of Applicant :BANGALORE 560 012 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHEELA K. RAMASESHA
(87) 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 thin-film photovoltaic cell with an enhanced p-n type semiconductor junction area having a first set of back contact electrode disposed on a substrate. A second back contact electrode disposed on the first back contact and separated by an insulating member. A photoresist member arranged on the second back contact electrode. Trenches arranged to pass through the photoresist member to expose the first contact electrode. An array of nanostructures disposed in said trenches to form a j-type semiconductor with a rc-type semiconductor disposed to cover the j-type semiconductor. /7-type and/-type semiconductors forming an enhanced 3-dimensional junction area.

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

(21) Application No.1035/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF ANTIRETROVIRAL USING WITTING REAGENT

(51) International classification	·C07C57/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHASUN PHARMACEUTICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :28, BATRA CENTER, 3RD & 4TH
(33) Name of priority country	:NA	FLOOR, SARDAR PATEL ROAD, GUINDY, CHENNAI 600
(86) International Application No	:NA	032 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. JAYAMANI
(61) Patent of Addition to Application Number	:NA	2)DR. BHUVANESWARI SRIDHAR
Filing Date	:NA	3)K SANTHA KUMAR
(62) Divisional to Application Number	:NA	4)R. MADHU BABU
Filing Date	:NA	

<sup>(57)</sup> Abstract:

An improved process for the preparation of Tenofovir disoproxil Fumarate using Wittig reagents as phase transfer catalyst.

No. of Pages: 11 No. of Claims: 6

(19) INDIA

(21) Application No.1108/CHENP/2013 A

(22) Date of filing of Application :12/02/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: ABSORBENT ARTICLE

(51) International classification :A61F13/15,A61F13/49,A61F13/53

(31) Priority Document No :2010174040 (32) Priority Date :02/08/2010

(33) Name of priority :Japan

country

(86) International :PCT/JP2011/067613

Application No :01/08/2011

Filing Date (87) International

Publication No :WO 2012/017991

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)UNICHARM CORPORATION

Address of Applicant :182 Shimobun Kinsei cho

Shikokuchuo shi Ehime 7990111 Japan

(72)Name of Inventor:
1)HASHINO Akira
2)NODA Yuki

3)KOMATSU Shinpei

#### (57) Abstract:

In this absorbent article (1) which has been made thinner overall while maintaining flexibility and hindering twisting both edges of the excretion orifice facing region (15) of the absorber (10) is provided with a plurality of first stamped parts (12) that are provided with spaces therebetween. Over all of the areas of the absorber (10) other than the regions (11) where the first stamped parts (12) are provided a plurality of second stamped parts (13) are provided with spaces therebetween. The plan view shape of the first stamped parts (12) is configured so that the dimension (L1) along the longitudinal direction of the absorbent article (1) is longer than the dimension (W1) along the width direction of the absorbent article (1). The plan view shape of the second stamped parts (13) is configured so that the dimension (W2) along the width direction of the absorbent article (1) is longer than the dimension (L2) along the longitudinal direction of the absorbent article (1).

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

(19) INDIA

(22) Date of filing of Application :14/02/2013

(21) Application No.1208/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention : ARTIFICIAL FEATHERS FOR SHUTTLECOCKS SHUTTLECOCK AND METHOD FOR PRODUCING ARTIFICIAL SHUTTLECOCK FEATHERS

(51) International classification	:A63B67/18	(71)Name of Applicant:
(31) Priority Document No	:2010-185217	1)YONEX KABUSHIKI KAISHA
(32) Priority Date	:20/08/2010	Address of Applicant :23 13 Yushima 3 chome Bunkyo ku
(33) Name of priority country	:Japan	Tokyo 1138543 Japan
(86) International Application No	:PCT/JP2011/068701	(72)Name of Inventor:
Filing Date	:18/08/2011	1)YONEYAMA Wataru
(07) I ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:WO 2012/023587	2)TANAKA Kensuke
(87) International Publication No	A1	3)MIYAZAKI Seiya
(61) Patent of Addition to Application	37.4	•
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		

#### (57) Abstract:

The artificial feathers for shuttlecocks in imitation of natural feathers are characterized in being provided with a thin film blade corresponding to the vane and a rod shaped shaft corresponding to the rachis and extending continuously as one piece from the upper tip to the lower tip. The blade is obtained from a thermoplastic resin having continuous bubbles therein and has lower specific gravity and lower elasticity than the shaft. The shaft is obtained from a thermoplastic resin and has as a blade supporting part a region that is fixed to the blade from the upper tip to the lower end of the blade while as a quill part a region protruding below the blade from the lower end of the blade supporting part to the lower tip is fixed to the blade at the blade supporting part to correspond to the quill of a natural feather.

No. of Pages: 80 No. of Claims: 11

(12) TATENT ATTEMENTON TOBERCATION

(21) Application No.241/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONNECTOR FOR MEDICAL LINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61M39/00 :TO2012A000056 :24/01/2012 :Italy :NA :NA :NA :NA	(71)Name of Applicant:  1)INDUSTRIE BORLA S.P.A.  Address of Applicant: VIA G. DI VITTORIO, 7BIS, I-10024  MONCALIERI, TORINO Italy (72)Name of Inventor:  1)GUALA, GIANNI
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#### (57) Abstract:

A connector (1) for medical infusion lines, transfusion lines, and the like, comprising a tubular body (2) having at one end a male connector (8) including an inner tubular element (9) and an outer hollow element (10), which is internally threaded and can be coupled by screwing to a complementary female connector. The line connector (1) further includes an outer manoeuvring sleeve (22) coupled in unidirectional rotation to the body (2) in the direction corresponding to screwing of the male connector (8) with respect to the complementary female connector and free to turn in the opposite direction, formed by two parts (23, 24) coupled together on the body (2) of the connector (1).

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

(21) Application No.2939/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR DELIVERING SYSTEM INFORMATION TO USER EQUIPMENT IN REGION OF CO-CHANNEL INTERFERENCE

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS PVT
(32) Priority Date	:NA	LTD
(33) Name of priority country	:NA	Address of Applicant :BAGMANE LAKEVIEW, BLOCK
(86) International Application No	:NA	B, NO. 66/1, BAGMANE TECH PARK, CV RAMAN
Filing Date	:NA	NAGAR, BYRASANDRA, BANGALORE - 560 093 Karnataka
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MANGESH ABHIMANYU INGALE
(62) Divisional to Application Number	:NA	2)SUDHIR KUMAR BAGHEL
Filing Date	:NA	

#### (57) Abstract:

A method and system to deliver updated system information to one or more victim User Equipments (UEs) in connected mode within the dominant co-channel interference region in Heterogeneous Network (HetNet) environment is disclosed. The method enables the base station of a victim cell to trigger one or more victim UEs in the region of co-channel interference to apply a new signaling procedure for acquiring a new message block to be delivered by the victim cell. The method provides an error handling procedure for system information acquisition failure by the victim UE in the dominant co-channel interference region of the victim cell in HetNet. The method improves reliability of updated system information delivery and improves probability of system information acquisition in region of dominant co-channel interference.

No. of Pages: 64 No. of Claims: 49

(22) Date of filing of Application :08/02/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: MOBILE COMMUNICATION METHOD AND MOBILE COMMUNICATION SYSTEM

(51) International (71)Name of Applicant: :H04W36/12,H04M3/00,H04W8/22 classification 1)NTT DOCOMO, INC. (31) Priority Document No :2010-178198 Address of Applicant: 11-1, NAGATACHO 2-CHOME, (32) Priority Date :06/08/2010 CHIYODA-KU, TOKYO 100-6150 Japan (33) Name of priority 2)NNNNN :Japan country (72)Name of Inventor: (86) International 1)NISHIDA, KATSUTOSHI :PCT/JP2011/067473 Application No :29/07/2011 Filing Date (87) International :WO/2012/017951 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA

#### (57) Abstract:

Filing Date

In the disclosed mobile communication method, the mobile management entity (MME) within the user equipment (UE) #1 visitor network, in the UE#1 attach process or position register process, acquires UE#1 single radio voice call continuity (SRVCC) capacity; and has a process where the home subscriber service (HSS) is notified of the UE#1 SRVCC capacity and a process where the access transfer control function (ATCF), which controls the access transfer gateway (ATGW), acquires UE#1 SRVCC capacity in the UE#1 IP multimedia subsystem (IMS) register process.

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

(21) Application No.1105/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :12/02/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: REDUCTION OF SPURIOUS UNCORRELATION IN FM RADIO NOISE

(51) International classification :H04B1/16,G10L19/00,H04S1/00

(31) Priority Document No :61/376567 (32) Priority Date :24/08/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/EP2011/064077

Filing Date :16/08/2011

(87) International Publication :WO 2012/025429

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
Filing Date
:NA
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(71)Name of Applicant:

1)DOLBY INTERNATIONAL AB

Address of Applicant :Apollo Building 3E Herikerbergweg 1 35 NL 1101 CN Amsterdam Zuidoost Netherlands

(72)Name of Inventor:
1)ENGDEGARD Jonas
2)PURNHAGEN Heiko
3)SEHLSTROM Leif

#### (57) Abstract:

The document relates to audio signal processing in particular to a system and a corresponding method for improving an audio signal of an FM stereo radio receiver in this context one aspect relates to the estimation of noise in a received side signal and the compensation of such noise in parametric stereo parameters. A system for generating a parametric stereo parameter from a two channel audio signal is described. The two channel audio signal is presentable as a mid signal and side signal representative of a corresponding left and right audio signal. The system comprises a noise estimation stage configured to determine an impact factor characteristic for the noise of the side signal; and a parametric stereo parameter estimation stage configured to determine the parametric stereo parameter; wherein the determining is based on the two channel audio signal and the impact factor.

No. of Pages: 43 No. of Claims: 33

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING DRONEDARONE

(51) International classification	·A61K31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO.2, MAITRIVIHAR,
(33) Name of priority country	:NA	AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BHAVANASI KRISHNA MURTHY
(87) International Publication No	: NA	2)VISHNUBHOTLA NAGAPRASAD
(61) Patent of Addition to Application Number	:NA	3)VENKATA VIJAYA NARASIMHA KISHAN
Filing Date	:NA	JAYANTHY
(62) Divisional to Application Number	:NA	4)MEENAKSHISUNDERAM SIVAKUMARAN
Filing Date	:NA	

### (57) Abstract:

Pharmaceutical composition comprising dronedarone or a pharmaceutical acceptable salt thereof is provided. The present invention also relates to a process for preparation of pharmaceutical compositions comprising dronedarone or a pharmaceutical acceptable salt thereof. The present invention also relates to method of administering the compositions comprising dronedarone in a subject in need thereof.

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

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PURIFICATIONS OF CABAZITAXEL

(51) International classification	:C07D305/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Reddy <sup>TM</sup> s Laboratories Limited
(32) Priority Date	:NA	Address of Applicant :8-2-337, Road No. 3, Banjara hills,
(33) Name of priority country	:NA	Hyderabad, Andhra Pradesh, India. Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Syam Kumar Unniaran Kunhimon
(87) International Publication No	: NA	2)Gilla Goverdhan
(61) Patent of Addition to Application Number	:NA	3)Manda Amarendhar
Filing Date	:NA	4)Siva Reddy Makireddy
(62) Divisional to Application Number	:NA	5)Pulla Ramaseshagiri Rao
Filing Date	:NA	6)Vasam Sridhar

(57) Abstract:

Process for the purification of Cabazitaxel.

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

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: Method and system to trigger UE handover in a radio communication network

(51) International classification	:H04W36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Centre of Excellence in Wireless Technology
(32) Priority Date	:NA	Address of Applicant :#152, CSD Building,,IIT Madras
(33) Name of priority country	:NA	Campus, Guindy, Chennai, Tamil Nadu 600036 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Kalyana Rama Sesha Sayee Kompalli Chakravartula
(61) Patent of Addition to Application Number	:NA	2)Nadeem Akhtar
Filing Date	:NA	3)Siva Kishore Reddy Yerrapareddy
(62) Divisional to Application Number	:NA	4)Sunil Kaimalettu
Filing Date	:NA	5)Venkatarao Gonuguntla

#### (57) Abstract:

The embodiments herein provide a method and system to trigger UE handover in a radio communication network including a serving base station and a plurality of candidate base stations. The serving base station shares uplink transmission information associated with the UE with the candidate base stations. A candidate base station detects the presence of the UE located in radio coverage of the candidate base station by obtaining information from the uplink transmission of the UE. Further, the candidate base station computes a second parameter and sends to the serving base station. The serving base station determines to trigger handover procedure when the second parameter meets handover criteria. Further, the serving base station sends handover command to the UE after determining that the second parameter meets handover criteria.

No. of Pages: 44 No. of Claims: 20

(21) Application No.2973/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :03/07/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: WORKING TOOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Japan :NA :NA : NA : NA :NA :NA	(71)Name of Applicant:  1)MAKITA CORPORATION Address of Applicant: 3-11-8, Sumiyoshi-cho, Anjo-shi, Aichi 446-8502, Japan. (72)Name of Inventor: 1)Koji TAKAHAGI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A base cover made of resin is configured to cover the lower surface of a base made of steel plate such that the base is not directly brought into contact with a workpiece such as stone. It is desirable that the base cover can be simply attached to or detached from the base by using elasticity of the base cover.

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

(19) INDIA

(22) Date of filing of Application :08/02/2013

(21) Application No.1068/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention : SYSTEMS AND METHODS FOR COOKIE PROXY MANAGEMENT ACROSS CORES IN A MULTI CORE SYSTEM

:G06F9/50,H04L29/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)CITRIX SYSTEMS INC. :12/851449 (32) Priority Date Address of Applicant: 851 West Cypress Creek Road Fort :05/08/2010 (33) Name of priority country Lauderdale FL 33309 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/046172 (72)Name of Inventor: 1)GAVINI Anil Kumar Filing Date :02/08/2011 (87) International Publication No :WO 2012/018748 2)CHOUDHARY Akshat (61) Patent of Addition to Application 3)AGARWAL Puneet :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present solution is directed towards systems and methods for managing cookies by a multi core device. The device is intermediary to a client and one or more servers. A first core of a multi core device receives a response from a server to a request of the client through a user session. The response comprises a cookie. The first core removes the cookie from the response and stores the cookie in a corresponding storage for the session. The first core forwards the response without the cookie to the client. A second core then receives via a session a second request from the client. The second core determines the identification of the first core as owner of the session from the second request. The second core then communicates to the first core a third request for cookie information for the session.

No. of Pages: 175 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :08/02/2013

(21) Application No.1069/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: IMAGE FORMING APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:25/07/2011 :WO 2012/023416 :NA :NA	(71)Name of Applicant:  1)RICOH COMPANY LTD.  Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku Tokyo 1438555 Japan (72)Name of Inventor:  1)KOBAYASHI Takeyuki 2)MASUNAGA Suguru
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In an image forming apparatus a first detection part and a second detection part each for detecting a position of a displacement member that changes its position according to a remaining amount of liquid in a sub tank are provided to a carriage carrying the sub tank and a recording head and a body of the image forming apparatus respectively. A first position is a position of the displacement member detected by the first detection part such that the remaining amount of liquid in the sub tank is smaller than that at a second position detected by the second detection part. The liquid is supplied to the sub tank of a differential supply amount corresponding to a displacement amount of the displacement member between a position detected by the first detection part and a position detected by the second detection part after the first detection part detects the displacement member.

No. of Pages: 128 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :12/02/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SIMPLIFIED METHOD FOR PERSONALIZING A SMART CARD AND ASSOCIATED DEVICE

(21) Application No.1107/CHENP/2013 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:PCT/EP2011/063786 :10/08/2011 :WO 2012/031848 :NA	(71)Name of Applicant:  1)GEMALTO SA  Address of Applicant: 6 Rue de la Verrerie F 92190 Meudon France (72)Name of Inventor:  1)GIRARD Pierre 2)CHOUKRI Hamid
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a method for personalizing an electronic device using an encryption device adaptable to standard certified apparatuses. Said encryption device makes it possible to ensure the confidentiality of the transfer of a secret code from the user to a possible personalization server.

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

(19) INDIA

(22) Date of filing of Application :25/03/2013

(21) Application No.2331/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: HIGH DENSITY BIOCHEMICAL ARRAY CHIPS

(51) International classification	:C12Q1/68	(71)Name of Applicant :
(31) Priority Document No	:61/378844	1)COMPLETE GENOMICS INC.
(32) Priority Date	:31/08/2010	Address of Applicant :2071 Stierlin Court Mountain View
(33) Name of priority country	:U.S.A.	California 94043 U.S.A.
(86) International Application No	:PCT/US2011/050047	(72)Name of Inventor:
Filing Date	:31/08/2011	1)STAKER Bryan P.
(87) International Publication No	:WO 2012/031011	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An array chip useful for biochemical assays is provided wherein the chip includes a field region arranged with attachment sites according to a first pitch and at least one track region having a one dimensional spot pattern arranged according to a second pitch that is less dense and is a non integer multiple of the first pitch so that one dimensional Moir averaging may be applied in the track region thereby to attain alignment of the chip to the optical instrumentation with a higher density of attachment sites.

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention : AUTOMATIC CONTRAST LIMITED ADAPTIVE HISTOGRAM EQUALIZATION METHOD FOR IMAGE ENHANCEMENT

(51) International classification	:G06T5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Nitte Meenakshi Institute of Technology
(32) Priority Date	:NA	Address of Applicant :Gollahalli, Govindapura, P.B.No
(33) Name of priority country	:NA	6429, Yelahanka, Bangalore 560064, Karnataka, India 2)Dr.
(86) International Application No	:NA	Jharna Majumdar
Filing Date	:NA	3)Mr. Santhosh Kumar K L
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Dr. Jharna Majumdar
Filing Date	:NA	2)Mr. Santhosh Kumar K L
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In view of the foregoing, an embodiment herein discloses a system and method for automatically calculating the various image attributes in contrast limited adaptive histogram equalization (CLAHE) method. According to an embodiment, the method herein may be referred as Adaptively clipped contrast limited adaptive histogram equalization (ACCLAHE) wherein the image input parameter which may be clip limit (CL) is calculated automatically by taking the average bin height of the local histogram which is determined by talking the minimum and high peak value of the local histogram. Further number of image division (N) is calculated manually. According to another embodiment, the method herein may be referred as Automatic contrast limited adaptive histogram equalization (AUTO CLAHE) wherein the image input parameters which may be number of image division (N) and clip limit (CL) is calculated automatically. Further the clip limit (CL) is calculated similarly as clip limit (CL) is calculated in ACCLAHE method. Moreover for calculating the number of image division, the input image is divided into various sub-images and the number of image division (N) chosen for which the entropy is maximum.

No. of Pages: 29 No. of Claims: 4

(22) Date of filing of Application :12/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PROCESS FOR RILPIVIRINE USING NOVEL INTERMEDIATE

## (57) Abstract:

The present invention provides a commercially viable process for preparing rilpivirine and its pharmaceutical acceptable acid addition salts thereof in high yields using novel intermediate.

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

(22) Date of filing of Application :20/07/2012 (43) Publication Date : 13/02/2015

(54) Title of the invention: SYNTHESIS OF POLY (2,2,3,3,4,4,5,5 - OCTAFLUOROPENTYL ACRYLATE) BY A SIMPLEST FREE RADICAL POLYMERIZATION REACTION AND ITS DIFFERENT THERMAL EFFCTS ON FERROELECTRIC CRYTALLINE PHASE CHANGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MR. PONNAN SATHIYANATHAN Address of Applicant: CENTER FOR NANOMATERIALS, DEPARTMENT OF CHEMISTRY, SCHOOL OF ADVANCED SCIENCES, VELLORE INSTITUTE OF TECHNOLOGY (VIT) UNIVERSITY, VELLORE - 632 014 Tamil Nadu India (72)Name of Inventor: 1)MR. PONNAN SATHIYANATHAN 2)DR. ARUN ANAND PRABU 3)MRS. DHEVAGOTI MANJULA DHEVI 4)MR. ANNAMALAI SIVARAMAN
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#### (57) Abstract:

Fluoropolymers and its selected copolymers such as PVDF and PVDF-TrFE with higher crystallinity content and larger ferroelectric crystalline phases have already demonstrated their utility in thick film based electronic applications such as in organic memory devices, sensors, transducers, etc. For use in memory device applications, the polymer films must be exhibit well defined ferroelectric crystalline phases at desire temperature. Hence, we have synthesised Poly (2,2,3,3,4,4,5,5-octafluoro pentyl acrylate) (POFPA) through a simple free radical polymerization reaction and carried out thermal treatment study for the polymer samples were as-casted on KBr pellets. The changes in the different crystalline phases were studied using FTIR-Transmission (TS) spectroscopy analysis as a function of varying thermal treatment conditions. Based on the above studies, the relationship between the crystalline phase changes and different thermal effects both in below melting (<Tm), above melting (>Tm) were established, and it was very helpful for us working in this field to rely on FTIR- TS spectroscopy data to predict the crystalline phase changes of as-cast POFPA polymer samples and choose the best thermal treatment condition for the fabrication of samples for organic electronics applications.

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

(19) INDIA

(22) Date of filing of Application :20/07/2012

(21) Application No.2961/CHE/2012 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: MULTI-UTILITY BAG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A45C13/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MR. PONNAN SATHIYANATHAN Address of Applicant: CENTER FOR NANOMATERIALS, DEPARTMENT OF CHEMISTRY, SCHOOL OF ADVANCED SCIENCES, VELLORE INSTITUTE OF TECHNOLOGY (VIT), UNIVERSITY, VELLORE - 632 014 Tamil Nadu India (72)Name of Inventor: 1)MR. PONNAN SATHIYANATHAN 2)DR. ARUN ANAND PRABU 3)MRS. DHEVAGOTI MANJULA DHEVI 4)MR. A. SIVARAMAN
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#### (57) Abstract:

This invention of multi-utility bag (MUB) design is created for day-to-day uses as well as in emergency situations. For ex., as a life jacket to keep the person afloat in the water without being drowned; as a travellers bag to hold essential items, etc. MUB design mainly focus on efficient distribution of the weight carried in the bag, thereby resulting in reduced stress level in spinal/backbone of the human body and can avoid the crooked back deformity which affects the standing posture of the user, particularly the school going kid. Four different designs were developed depending on the users (a) School Bag, (b) Travel Bag, (c) Safety Jacket and (d) Soldiers Bag. Compared to the one-sided bag (conventional design) which concentrates most of the load on the back side of the user, this MUB design distributes the weight load both in the front and the back, and can be attached with different removable accessories for carrying many types of items of different weight.

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

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FARM AND HERD MANAGEMENT SYSTEM

(51) International classification (31) Priority Document No	:H04L29/00 :NA	(71)Name of Applicant: 1)Stellapps Technologies Private Limited
(32) Priority Date	:NA	Address of Applicant :#645, 1st Floor, 1st Cross, 1st Main,
(33) Name of priority country	:NA	Indiranagar 1st Stage, Off 100 feet Road, Near
(86) International Application No	:NA	Binnamangala,Bangalore, India Karnataka India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)Nale Praveen
(61) Patent of Addition to Application Number	:NA	2)Mukundan Ranjith
Filing Date	:NA	3)Shiroor Ravishankar G
(62) Divisional to Application Number	:NA	4)Seshasayee Venkatesh
Filing Date	:NA	5)Adukuri Ramakrishna

#### (57) Abstract:

The present invention relates to a farm and herd management system which enables automated exchange of data between different farms through a single gateway (201) installed in each farm and the cloud based herd management system (100) which can be accessed via Internet/Mobile Network (202), avoiding the need of manually entering the data and facilitates less use of infrastructure like PC<sup>TM</sup>S and bandwidth for Internet connectivity. The present invention comprises of different modules, data analytic module (101), an alert and notification module (102), a two way communication module (103), a data security module (104) and a business report generation module (105). The present invention manages diary/farm related activities and aids the end users (205) to perform any work related to farm with greater efficiency and provides automated exchange of data between the server hosted in cloud which may be accessed via Internet/Mobile Network and gateways deployed in farm.

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

(19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.1161/CHENP/2013 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: METHODS AND APPARATUS FOR REDUCING DATA TRANSMISSION OVERHEAD

(51) International classification	:H04L12/56	(71)Name of Applicant :
(31) Priority Document No	:12/850884	1)APPLE INC.
(32) Priority Date	:05/08/2010	Address of Applicant :1 Infinite Loop Cupertino CA 95014
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/046657	(72)Name of Inventor:
Filing Date	:04/08/2011	1)JAZRA Cherif
(87) International Publication No	:WO 2012/019051	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and apparatus for reducing data transmission. In one embodiment rather than immediately transmitting first data a first device postpones opening a data connection; any subsequently arriving data is queued with the first data and transmitted together. Connection overhead is optimized by delaying connection establishment until it is necessary and in some cases eliminating idle mode operation altogether. Stochastic embodiments are also disclosed for adjusting transmission behavior to maximize one or more desirable outcomes. For example one such embodiment queues data for a stochastically determined period of time prior to opening a data connection. The stochastically determined time interval balances the likelihood of efficiently servicing successively arriving data and overall performance. Mechanisms for receiving and utilizing device user and/or receiver (e.g. base station) feedback are also disclosed.

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

(19) INDIA

(22) Date of filing of Application :15/02/2013

(21) Application No.1266/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: SCHEDULING METHOD AND APPARATUS

:NA

(51) International classification	:H04W88/00	(71)Name of Applicant:
(31) Priority Document No	:201010254226.6	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:16/08/2010	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2011/073882	(72)Name of Inventor:
Filing Date	:10/05/2011	1)XING Pingping
(87) International Publication No	:WO 2012/022172	2)GUO Yi
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

A scheduling method and apparatus are provided in the present invention. The scheduling method provided by the embodiment in the present invention includes that: the base station of a first system receives a first indication sent by a User Equipment (UE) wherein the first indication denotes that there is interference between the first system and a second system; the base station generates temporary scheduling information and sends the temporary scheduling information to the UE; and the base station schedules the UE according to the temporary scheduling information wherein the time for scheduling the UE by the base station according to the temporary scheduling information does not overlap with the time for receiving the data by the UE from the second system. With the present invention the confliction between the first system and the second system whose frequency band is adjacent to the frequency band of the first system can be avoided when scheduling the UE thereby solving the mutual interference problem that the UE receives and transmits messages in two systems whose frequency bands are adjacent.

No. of Pages: 31 No. of Claims: 21

(22) Date of filing of Application :06/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A SELF ADJUSTING MATTRESS WITH A NANO FIBRE COVERED TOP

(51) International classification (31) Priority Document No	:NA	(71)Name of Applicant: 1)SRI. V. RAMACHANDRAN
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	Address of Applicant :NO.46, SRIVARI GARDENS, 644, V.K.K MENON ROAD, NEW SIDHAPUDUR,
(86) International Application No	:NA	COIMBATORE - 641 044 Tamil Nadu India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor :   1)SRI. V. RAMACHANDRAN
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A mattress consisting of v shaped pockets wherein a hollow polymer tube is inserted around which the synthetic or natural fiber of varied density is stuffed by a vacuum process giving rigidity and prevents sagging even after long usage. The top surface of the mattress is covered with a specially processed nano fiber fabric with a water resistant and air permeable membrane attached to the bottom of the said fabric and fixed permanently to the mattress by stitching /sealing in such a way that the air formed in between the mattress and the fabric top gives an air cushion effect and adjusts the shape to the body pressure of the person using it and gets back to the original position after the person using it moves from it by movement of air through the membrane.

No. of Pages: 7 No. of Claims: 3

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TURN TABLE BASED TRANSFER FACILITY FOR WHEEL CHAIR

(51) International classification	:A61G	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SASTRA University
(32) Priority Date	:NA	Address of Applicant :Tirumalaisamudram, Thanjavur 613
(33) Name of priority country	:NA	401, Tamil Nadu, India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KRISHNAN, R. Hari
(87) International Publication No	: NA	2)PUGAZHENTHI, S.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

An apparatus having a transfer facility is disclosed. The apparatus comprises a first platform and a second platform that is connected to the first platform by a connecting means. The second platform is configured to rotate with respect to the first platform upon actuation. The apparatus further includes a longitudinally adjustable means attached to the center of the second platform through a connecting means. The apparatus further includes a tilting means whose one end is hinged at the connecting means and the other end is hinged at the second platform. The apparatus further has provisions for being attached to a wheel chair.

No. of Pages: 28 No. of Claims: 22

(21) Application No.1635/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention : FOLDABLE ELECTRONIC DEVICE AND A METHOD FOR MANAGING VISIBLE REGIONS THEREOF

(51) International classification	:G06F3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :BAGMANE LAKEVIEW, BLOCK'B'
(86) International Application No	:NA	NO.66/1BAGMANE TECH TECH PARK, C V RAMAN
Filing Date	:NA	NAGAR, BYRASANDRA, BANGALORE -560093 Karnataka
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAGARAJU, SAMUDRALA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a foldable electronic device and a method for managing visible regions thereof. In one embodiment, the method includes determining a mode of the foldable electronic device in response to folding the foldable electronic device, determining at least two visible regions of the foldable electronic device when the foldable electronic device is folded in a fragment mode, activating touch sensitivity in the at least two visible regions determined, and providing one or more user interfaces in the at least two visible regions. The present invention also explains identifying visible regions based on events such as roll, squeeze, press etc triggered by a user on the flexible touch sensitive display body of the foldable electronic device.

No. of Pages: 25 No. of Claims: 19

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: METHOD FOR APPLYING ELONGATE STRIP TO DOOR FRAME OF VEHICLE

(51) International classification :C09J7/00,C09J7/02,B23P19/04 (71)Name of Applicant:

:10175313.5 (31) Priority Document No (32) Priority Date :03/09/2010

(33) Name of priority country :EPO

(86) International Application :PCT/US2011/049261

:26/08/2011 Filing Date

(87) International Publication :WO 2012/030635

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

1)3M INNOVATIVE PROPERTIES COMPANY

Address of Applicant :3M Center Post Office Box 33427

Saint Paul Minnesota 55133 3427 U.S.A.

(72)Name of Inventor: 1)PASCHMANN Volker 2)WELKE Siegfried 3)MALECKI Klaus 4)RICHERT Detlef

There is provided a method of attaching an elongate strip to a door frame of the body of a vehicle comprising application of the elongate strip by means of a device comprising: i. a drive means; ii. an application head; iii. a stress control unit positioned between the drive means and application head and comprising one of more sensor units; iv. and a control unit for controlling the drive means the application of the elongate strip comprising advancing the elongate strip by the drive means positioning pressing and/or rolling the elongate strip on the door frame by means of the application head and controlling stress of the elongate strip by means of the stress control unit and the control unit for controlling the drive means whereby the one or more sensor units of the stress control unit measure the stress of the elongate strip and the control unit controls the drive means to maintain the stress of the elongate strip within a desired range of stress based on the measurement of the stress of the elongate strip by the one or more sensors of the stress control unit wherein the elongate strip comprises an adhesive tape comprising a foam layer having first and second major sides and a pressure sensitive adhesive layer associated with one of the major sides of the foam layer the pressure sensitive adhesive comprising a cross linked rubber and the foam layer comprises an acrylic polymer of one or more alkyl acrylates having an average of 3 to 14 carbon atoms in the alkyl group the foam layer having a density of at least 540 kg/m3.

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

(21) Application No.2977/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A NETWORK SOCKET

(51) International classification	:H04W52/00	(71)Name of Applicant:
(31) Priority Document No	:201220610968.2	,
(32) Priority Date	:16/11/2012	PTE LTD
(33) Name of priority country	:China	Address of Applicant :10 Ang Mo Kio Street 65, #2-01/06
(86) International Application No	:NA	Techpoint 569059, Singapore
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)WU, Donghu
(61) Patent of Addition to Application Number	::NA	2)XU, Zhifeng
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The embodiment of the disclosure discloses a network socket. The embodiment of the disclosure includes: a wireless router module, a power supply module and a wall box, in which the wireless router module and the power supply module are mounted in the wall box, the power supply module powers the wireless router module and a first data interface is provided on the wireless router module. The network socket in the embodiment may provide wireless network and wired network services so as to facilitate use by a user.

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

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention : A DEVICE TO DETECT A LOW RAIL PRESSURE DURING STARTING OF AN ENGINE IN A VEHICLE

(51) International algorification	·E02D41/00	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Bosch Limited
(32) Priority Date	:NA	Address of Applicant :Post Box No 3000, Hosur Road,
(33) Name of priority country	:NA	Adugodi, Bangalore 560030, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PATGAR Anjankumar
(61) Patent of Addition to Application Number	:NA	2)SUNDAR Sandeep
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device 100 to detect a low rail pressure during starting of an engine in a vehicle. Determining means 102 determines working of rail pressure sensor 104. If sensor 104 is working, pressure measured by sensor 104 is compared with a first predefined value. Ecu 118 will indicate a low rail pressure if the measured rail pressure is less than the first predefined value. If sensor 104 is not working, a replacing means 111 replaces a default pressure value. Calculating means 110 calculates current and previous speed of the engine and calculates acceleration. Calculated acceleration is compared with a second predefined value by second comparing means 116. Simultaneously, ecu 118 checks for atleast one shutoff requests from atleast one component of the engine. Ecu 118 indicates low rail pressure if the calculated acceleration is less than the second predefined value and if there are no shutoff requests found. Figure 1

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

(19) INDIA

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

(21) Application No.1437/CHENP/2013 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: ABSORBENT ARTICLE AND DISPOSABLE DIAPER

(51) International :A61F13/49,A61F13/15,A61F13/511 classification

(31) Priority Document No :2010223309 :30/09/2010 (32) Priority Date

(33) Name of priority

country

(86) International :PCT/JP2011/072703 Application No

:26/09/2011 Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

:WO 2012/043842

:Japan

:NA

(71)Name of Applicant:

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho

Shikokuchuo shi Ehime 7990111 Japan

(72)Name of Inventor: 1)KIKUCHI Kyo 2)WAKASUGI Kei 3)UEDA Junko

4)YAMANAKA Yasuhiro

5)OHASHI Naoto

#### (57) Abstract:

Filing Date

An absorbent article is provided that accurately emphasizes surface irregularities on the side of a top sheet that contacts the skin. The present invention is an adsorbent article 1A provided with a liquid permeable top sheet 60 composed of a white non woven fabric a liquid impermeable back sheet 40 provided at a location opposing the top sheet and an absorbent 50A provided between the top sheet and the back sheet wherein a colored element 52A is further provided on the side of the top sheet that does not contact the skin that is visible through the top sheet and is colored to a color other than white the top sheet has a plurality of protrusions 61 protruding in the thickness direction and a plurality of indentations 62 indented in the thickness direction the basic weight of the protrusions is greater than the basic weight of the indentations and the color difference between the Lab value of the color of the colored element visible through the protrusions of the top sheet and the Lab value of the color of the colored element visible through the indentations of the top sheet is 2.8 or more.

No. of Pages: 49 No. of Claims: 21

(21) Application No.2790/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: STEERING COLUMN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B62D21/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES, NO. 29 (OLD NO.8) HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India (72)Name of Inventor:  1)V. JEYAMURUGAN  2)M. NAGARJUN REDDY  3)D. GANGI REDDY
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## (57) Abstract:

The present subject matter discloses a stiffened hydro-formed steering column assembly with variable section modulus. The steering column tube is capable to withstand variable field loads and ensures better handling

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

(21) Application No.2791/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: VARIABLE VOLUME INTERNAL COMBUSTION ENGINE

(51) I ( ) ( ) 1 1 1 ( ) ( )	F02D0/00	(71)NI CA 19
(51) International classification	:F02D9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES, NO. 29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI - 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)YATIN VASANT CHAUDHARY
(61) Patent of Addition to Application Number	:NA	2)SAURABH KUMAR
Filing Date	:NA	3)CHITHAMBARAM SUBRAMONIAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

No. of Pages: 17 No. of Claims: 4

The present subject matter discloses a low cost, compact mechanism for a variable compression ratio internal combustion engine. The compression ratio is varied by means of a minor piston engulfed in a groove in the cylinder head of the internal combustion engine.

(21) Application No.2978/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: COIL PACKAGING SYSTEM

(51) International algorification	.D65D	(71)Nome of Applicant
(51) International classification	.םנטם.	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:NA	Address of Applicant :3600 WEST LAKE AVENUE,
(33) Name of priority country	:NA	GLENVIEW, ILLINOIS-60026-1215 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)E. RAJI REDDY
(87) International Publication No	: NA	2)K. PRABHAKAR REDDY
(61) Patent of Addition to Application Number	:NA	3)SANJAY GHOSH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a coil packaging system having a single integrated strapping machine capable of performing both circumferential and eye strapping operations. Both coil wrapping and strapping operations are performed at the same workstation as both the wrapping and strapping machines move toward the workstation for performing the operation. The system is capable of doing wrapping and strapping operations on variable size of coils (i.e., in terms of coil specification).

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

(22) Date of filing of Application :23/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A METHOD AND DEVICE FOR ADJUSTING REGENERATION FREQUENCY OF AN EXHAUST CATALYST IN A VEHICLE

(51) International classification	:F01N3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(32) Priority Date	:NA	SOLUTIONS LIMITED
(33) Name of priority country	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	2)ROBERT BOSCH GMBH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAMRAT G K
(62) Divisional to Application Number	:NA	2)MAHESH HEGDE
Filing Date	:NA	

#### (57) Abstract:

A method for regenerating an exhaust catalyst in an exhaust line of an internal combustion engine of a vehicle, said method comprising the steps: detecting refueling of a fuel tank; estimating a conversion efficiency of said catalyst for said fuel for a predetermined vehicle travel distance and/or predetermined amount of fuel consumed by the vehicle after detecting said refueling, wherein a conversion efficiency of said exhaust catalyst is determined based on the exotherm generated by injecting said fuel in the exhaust; comparing said conversion efficiency with a predetermined efficiency; and adjusting regeneration frequency of said exhaust catalyst in said vehicle based on said compared conversion efficiency of said injected fuel.

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

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 13/02/2015

(21) Application No.10783/CHENP/2012 A

(54) Title of the invention: LIQUID PERMEABLE PANEL

:NA

(51) International classification :A01K23/00,A01K1/015 (71)Name of Applicant:

(31) Priority Document No :2010145702 (32) Priority Date :25/06/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/064548 Filing Date :24/06/2011

(87) International Publication No :WO 2011/162379

(61) Patent of Addition to Application
Number
Siling Date
(62) Divisional to Application Number: NA

(/1)Name of Applicant:
1)Uni Charm Corporation

Address of Applicant :182 Shimobun Kinsei cho

Shikokuchuo shi Ehime 7990111 Japan

(72)Name of Inventor: 1)MATSUO Takayuki 2)HIRAO Tomoko

#### (57) Abstract:

Filing Date

Provided is a liquid permeable panel for system toilets for animals which when used in a toilet for an animal reduces the risk that feces will fall off when the feces is being treated and reduces the complexity of tasks associated with the treatment of the feces. The liquid permeable panel (3) is mounted on the portion of the system toilet (1) for animals that the animals directly stand on and the 15 degree bending strength defined below is at least 0.2 N and no greater than 10 N. Here the 15 degree bending strength is the load that is applied at a velocity of 500 mm/min to the central section of the liquid permeable panel from the direction perpendicular to a plan view using a round plunger of which the tip has a diameter of 8mm while both sides that face each other in the Y direction in a plan view of the liquid permeable panel (3) are being supported that deforms the liquid permeable panel (3) into the shape of a concavity along the X direction such that in a cross section of said concavity the angle () formed by a horizontal line that contains the bottommost point of said concavity and an oblique line linking the aforementioned bottommost point and either of the aforementioned both sides is 15 degrees.

No. of Pages: 46 No. of Claims: 4

(21) Application No.1169/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXHAUST GUARD FOR AN EXHAUST SYSTEM OF A MOTORCYCLE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Siling Date (83) International Publication No (84) International Publication No (85) International Publication Number (86) Patent of Addition to Application Number (87) International Publication Number (88) International Publication Number (89) International Publication Number (80) Patent of Addition to Application Number (81) International Classification Number (82) International Classification Number (83) Name of priority Country (84) International Application Number (85) International Classification Number (86) International Application Number (87) International Publication Number (88) International Application Number (89) International Publication No (80) International Publication No (81) International Publication No (81) International Publication No (82) International Publication No (83) International Publication No (84) International Publication No (85) International Publication No (86) International Publication No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (81) International Publication No (81) International Publication No (82) International Publication No (83) International Publication No (84) International Publication No (85) International Publication No (86) International Publication No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (80) International Publication No (80) International Publication No (81) International Publication No (81) International Publication No (82) International Publication No (83) International Publication No (84) International Publication No (85) Inter	2)BOOBALAN MANI
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# (57) Abstract:

Disclosed exhaust system has an exhaust guard having a provision for protection of oxygen sensor fixed over said exhaust guard. Said exhaust guard covers the outer side of the exhaust pipe and has a cavity like extension covering the oxygen sensor. Upper part of the oxygen sensor passes through said cavity type extension and lower end of the oxygen sensor is inserted into the flow path of exhaust gas in the exhaust pipe. Given details provide common, cost effective and easy to manufacture solution for exhaust pipe cover and oxygen sensor solving the issue related to mounting space constraints.

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DATA INTERFACE SOCKET

(51) International classification	:F21V21/00	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:201220376726.1 :31/07/2012	1)SAHNEIDER ELECTRIC SOUTH EAST ASIA (HQ) PTE LTD
(32) Phonty Date (33) Name of priority country	:China	Address of Applicant :10 Ang Mo Kio Street 65, #2-01/06
		11 0
(86) International Application No	:NA	Techpoint 569059, Singapore
Filing Date (87) International Publication No.	:NA : NA	(72)Name of Inventor:
(87) International Publication No	•	1)WU, Donghu
(61) Patent of Addition to Application Number		2)MENG, Huanbin
Filing Date  ((2) Divisional to Application Number	:NA	3)LU, Yongzhi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention discloses a data interface socket. The invention includes a fixture (1), a cable assembly (2) and a wall box (3). The cable assembly (2) is mounted in the wall box (3) through the fixture (1). The cable assembly (2) includes a cable (21), a cable roller (22) and a data interface (23), and the cable roller (22) is freely rotatable. The cable (21) is wound on the cable roller (22), the cable (21) has a free end (211) connected with the data interface (23), and the free end (211) of the cable (21) is of a length extendable and retractable with rotation of the cable roller (22). Thus, the user can use the data interface (23) at different distances within a certain range by the retractable cable (21), facilitating the user and improving the user<sup>TMS</sup> experience.

No. of Pages: 14 No. of Claims: 5

(21) Application No.3125/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: FASTENING TAPE FOR SEAT PAD AND SEAT PAD HAVING THE SAME

11	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:Republic of Korea :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)ILKWANG Industry Co., Ltd. Address of Applicant:142, Sinhwari-ro, Samnam-myeon, Ulju-gun, Ulsan, 689-815, Republic of Korea. (72)Name of Inventor: 1)LEE, Won Woo
Filing Date :NA	Filing Date (62) Divisional to Application Number Filing Date	:NA	

### (57) Abstract:

The present invention relates to a fastening tape for a seat pad and a seat pad provided with the fastening tape, and the fastening tape for a seat pad attaching a seat cover to an outside of the seat pad, comprises: a holding sheet on one side of which a plurality of hooks to be connected to loops that are formed inside the seat cover are formed; and a connection member to be connected to the other side of the holding sheet for connecting the holding sheet to the seat pad, wherein the connection member comprises a connection portion that is connected to the holding sheet and provided with a plurality of ring portions, and a mesh portion that is connected to the ring portion, such that a gas produced when urethane is foamed to form the seat pad is discharged through the mesh portion and the ring portion.

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

(21) Application No.3126/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : MUTATIONS IN THE STARCH SYNTHESIS GENES LEADING TO HIGH RESISTANT STARCH EXPRESSION IN RICE ENDOSPERM

(51) International classification	·C12N15/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TEXCITY BIO-SCIENCES PVT. LTD
(32) Priority Date	:NA	Address of Applicant :2/200,THEETHIPALAYAM (PO),
(33) Name of priority country	:NA	PERUR (VIA), COIMBATORE-641 010 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Bhikane Shankarrao Nandkishor
(87) 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 the mutations in the starch synthase genes of Tx2 mutant rice that are associated with enhanced dietary fiber and resistant starch levels in the endosperm. The increased level of dietary fiber and resistant starch in rice results in low glycemic index with a value of value of 51.2±5.2 and hence these rice varieties are of great demand for diabetic population. The mutations in starch synthase genes target the structural modification of amylopectin instead of increasing the amylose content without affecting the cooking quality of the rice grains. The mutation in SSIIa gene is also associated with reduced chain elongation in L form of amylopectin such that amylopectin chain length can be manipulated in indica varieties of rice.

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

(21) Application No.3197/CHE/2013 A

(19) INDIA

(22) Date of filing of Application: 17/07/2013 (43) Publication Date: 13/02/2015

### (54) Title of the invention: PRE-BOTTLE AND SPOUT

(51) International classification	:B65D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ATCHAYAM BUSINESS SOLUTIONS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :2F Navarathina Garden Main Road,
(33) Name of priority country	:NA	Navarathina Garden, Ekkatuthangal, Chennai 600 032 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHAMYVELUMANI, Satish
(61) Patent of Addition to Application Number	:NA	2)NARAYANAN, Ramesh
Filing Date	:NA	3)KURUC, Gokhan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present subject matter relates to a pre-bottle (200) formed out of a coconut fruit (100). In one implementation, the pre-bottle (200) has a top portion (202) formed from a top region of the coconut fruit (100), the top portion (202) having a tapered geometrical cross sectional neck (208); a body portion (204) connected to the top portion (202) and formed from a lateral peripheral region of the coconut fruit (100), wherein the body portion (204) has one of a substantially cylindrical cross section and an elliptical cross section, and wherein the body portion (204) has external contours (216) selected from one of a knurl, ridge, groove, dimple, and dot pattern; and a base portion (206), connected to the body portion (204) and formed from a bottom region of the coconut fruit (100), the base portion (206) having a substantially flat bottom surface (212).

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

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PRESSURE ACTUATED SINGLE-LUMEN BLOOD PUMPING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)PULSECATH B.V. Address of Applicant:Orlyplein 85, 1043 DS Amsterdam, The Netherlands (72)Name of Inventor: 1)Karmon, Yoram
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

A pressure actuated single-lumen blood pumping device has a housing (4) having a wall (19) bounding a pressure transfer chamber (11; 411). The housing (4) bounds a pressure transfer port (9) for connection to a pressure source, the pressure transfer port (9) communicating with the pressure transfer chamber (11; 411) for alternatingly transferring over pressure and under pressure from the pressure source to the pressure transfer chamber (11; 411). A flexible tubular membrane (2; 102; 202; 302; 402) is arranged in the pressure transfer chamber (11; 411). A blood transfer conduit (3; 103; 203; 303; 403) passes through the wall (19) bounding the pressure transfer chamber (11; 411) and the blood transfer conduit (3; 103; 203; 303; 403) connects to opposite ends (5, 6; 105; 405, 406) of the flexible tubular membrane (2; 102; 202; 302; 402).

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

(22) Date of filing of Application :17/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR CREATING A MULTIMEDIA DATA FILE FORMAT

(Ta) T	TTO 13 TO 10 O	
(51) International classification	:H04N9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview, Block 'B', No.
(86) International Application No	:NA	66/1, Bagmane Tech Park, C V Raman Nagar, Byrasandra,
Filing Date	:NA	Bangalore 560093, Karnataka, India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NARAYANAN, Karthik
Filing Date	:NA	2)NARAYANASWAMY, Santhosh Kumar Banadakoppa
(62) Divisional to Application Number	:NA	3)KIM, Gounyoung
Filing Date	:NA	4)PARK, Ha-Joong

## (57) Abstract:

The various embodiments herein provide a method and apparatus for creating a data file format for multimedia files. The method comprising steps of obtaining a burst shot sequence of images corresponding to a multimedia content, wherein each of the image of the burst shot sequence corresponds to an individual image file format, fetching a plurality of parameters associated with each of the images in the burst shot sequence, converting each of the images of the burst shot sequence in the individual image file format to a multimedia data file format based on the fetched plurality of parameters associated with each of the images in the burst shot sequence and creating a multimedia data file in the multimedia data file format, wherein the multimedia data file comprises each of the converted images of the burst shot sequence.

No. of Pages: 36 No. of Claims: 17

(21) Application No.1116/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : DANVANTRI: INTELLIGENT, REMOTE AND WIRELESS VITALS MONITORING FIXTURE FOR WELLBEING AND HEALTH CARE

(Table 1)		
(51) International classification	:A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMERICAN MEGATRENDS INDIA PRIVATE
(32) Priority Date	:NA	Address of Applicant :KUMARAN NAGAR,
(33) Name of priority country	:NA	SEMMENCHERY, OFF OLD MAHABALIPURAM ROAD,
(86) International Application No	:NA	CHENNAI - 600 119 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRIDHARAN MANI
(61) Patent of Addition to Application Number	:NA	2)VIVEK VISWANATHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Modular Device to monitor Human Health Vital signs with modular accessories to increase the functionality while having the ability to transmit the captured vital data to a remote computing device using a Wireless interface. Hence the remote computing device, the modular systems base unit and accessories works in Tandem to measure Health vital parameters from the Human body. The Measured Vital parameters include Electrocardiography (ECG), Pulse oximetry module to measure Oxygen saturation, Automated Non-Invasive Blood Pressure meter (NIBP), Body Temperature measurement, Auscultation using a Doppler/Conventional Stethoscope, Blood Glucose measurement, Blood Cholesterol measurement and Hemoglobin measurement.

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

(21) Application No.1460/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :22/02/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: WIRE CONNECTING DEVICE FOR CONNECTING FIBER CORE CONDUCTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:15/09/2011 :WO 2012/043422 :NA	(71)Name of Applicant:  1)YAZAKI CORPORATION  Address of Applicant: 4 28 Mita 1 chome Minato ku Tokyo 1088333 Japan (72)Name of Inventor:  1)HANAZAKI Hisashi
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

An object is to provide a wire connecting device 1 10 for connecting a fiber core conductor 21 which can improve reliability of electric connection by controlling a force in a shearing direction acted on the fiber core conductor. The wire connecting device 1 10 for connecting the fiber core conductor 21 configured by stranding a plurality of fiber core conductive wires which are formed by plating a surface of a fiber with electric conductive metal includes a rivet 3 having a rod shape pin 5 and a head 6 extending outwardly from the pin 5 to be mounted at an end portion of the fiber core conductor 21; and a plate shape terminal 4 having an opening 8 which the pin 5 is inserted through and the rivet 3 is connected with and an overlap portion 9 which the head 6 is overlapped on. The fiber core conductor 21 is clamped between the head 6 and the overlap portion 9 of the terminal 4 so as to connect electrically the fiber core conductor 21 and the terminal 4.

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

(21) Application No.3225/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BATTERY PACK EQUALIZATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:Japan :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan (72)Name of Inventor:  1)Ryuichi MIYANO 2)Satoshi ITO
· /		,
	:Japan	
(86) International Application No	:NA	1)Ryuichi MIYANO
Filing Date	:NA	2)Satoshi ITO
(87) International Publication No	: NA	3)Tomoaki MORIKAWA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A battery pack equalization device with little waste, by appropriately executing the equalization processing according to the state of charge of the battery pack as a whole, is provided. It is a battery pack equalization device 10 for equalizing an amount of charge for each unit battery of a battery (battery pack) 103 in which a plurality of unit batteries 103a1-103a3 capable of charging and discharging are connected in series, which has a charging rate detection unit 11 for detecting an overall charging rate of the battery as a whole, a threshold setting unit 12 for setting different state of charge thresholds according to the overall charging rate of the battery as a whole, an index detection unit 13 for detecting a maximum difference voltage indicating a non-uniformity of a unit charging rate (voltage) for each of a plurality of unit batteries, and an equalization control unit 14 for executing an equalization processing of the charging rate for each unit battery, when a state of charge threshold according to the overall charging rate is acquired and it is confirmed that the maximum difference voltage has become greater than or equal to that state of charge threshold.

No. of Pages: 30 No. of Claims: 5

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A DEVICE AND METHOD FOR IDENTIFICATION OF DEVICES RETROFITTED TO A VEHICLE

(51) International classification	:H05B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(86) International Application No	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA Karnataka
Filing Date	:NA	India
(87) International Publication No	: NA	2)Robert Bosch GmbH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SARKAR Sushanta
(62) Divisional to Application Number	:NA	2)RAJAMANICKAM Prabhu Raj
Filing Date	:NA	

### (57) Abstract:

The present invention discloses an engine control unit (100) for controlling operation of a vehicle engine (101) which is adapted to communicate with a microcontroller (102) embedded in a device (103) retrofitted to said vehicle. The ECU identifies the retrofitted device (103) and selects a suitable operation mode for the engine (101) based on the identification of the retrofitted device (103) to drive the retrofitted device (103).

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

(21) Application No.2157/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ELECTRONIC DEVICE MODULE COMPRISING ETHYLENE ALPHA OLEFIN TAPERED BLOCK COPOLYMERS AND OPTIONAL VINYL SILANE

# (57) Abstract:

An electronic device module such as a solar cell is described. The electronic device module is made using a polymeric material in intimate contact with at least one surface of the electronic device the polymeric material comprising a tapered block copolymer comprising an A block and a B block.

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

(22) Date of filing of Application :26/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMINE SUBSTITUTED 2 4 DIARYL PYRROLINE DERIVATIVES AS PESTICIDES

(51) International classification :C07D207/20,A01N43/36 (31) Priority Document No :61/388636 (32) Priority Date :01/10/2010 :U.S.A.

(86) International Application No Filing Date :0.5.A. :PCT/EP2011/067088

(87) International Publication No :WO 2012/042007

(61) Patent of Addition to Application :NA
Number :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA

(71)Name of Applicant:

1)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

(72)Name of Inventor: 1)K-RBER Karsten 2)KAISER Florian

3)VON DEYN Wolfgang 4)DESHMUKH Prashant

5)NARINE Arun

6)DICKHAUT Joachim 7)BANDUR Nina Gertrud 8)CULBERTSON Deborah L. 9)ANSPAUGH Douglas D. 10)BRAUN Franz Josef

## (57) Abstract:

The present invention relates to imine compounds which are useful for combating or controlling invertebrate pests in particular arthropod pests and nematodes. The invention also relates to a method for controlling invertebrate pests by using these compounds and to plant propagation material and to an agricultural and a veterinary composition comprising said compounds.

No. of Pages: 240 No. of Claims: 37

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A REAL TIME PAYMENT SYSTEM FOR FULFILLING ONLINE AND OFFLINE PAYMENT OBLIGATIONS

(51) Intermedianal alexification	.00(020/00	(71)Nama a 6 A ma Para 4
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)MAVILA KANNAN NAMBIAR
(32) Priority Date	:NA	Address of Applicant :Puthiyavalappu - Kottachery, KMC-
(33) Name of priority country	:NA	2/1419(1/1898), P.O. Kanhangad, Kasaragod, Kerala - 671315,
(86) International Application No	:NA	INDIA Kerala India
Filing Date	:NA	2)Rajkumar Nagarajan
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MAVILA KANNAN NAMBIAR
Filing Date	:NA	2)Rajkumar Nagarajan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Real Time Payment System for Fulfilling Online and Offline Payment Obligations is proposed herein. This invention relates to electronic payment methods and systems, and online and offline payment obligations. Existing payment systems (Fig. 1, 2, 3) and methods cater to specific types of payment obligations and lack interoperability. The proposed system is an umbrella payment system accessible by and befitting the needs of all sizes and forms of businesses, that can be used to fulfill all types of payment obligations, both online (Fig. 8) and offline (Fig 7), in real time. The system (400) acts as a centralized payment system that can be accessed directly through the system<sup>TM</sup>s website (402) or through a plurality of devices (410), which communicate with the system through the system<sup>TM</sup>s interfaces (403). The system (400) maintains a merchant account (401) for each participating merchant. The funds (405) are stored safely in a nodal bank account (408), and periodically transferred to the merchant<sup>TM</sup>s bank account.

No. of Pages: 18 No. of Claims: 10

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A NOVEL SAFE GUARD DEVICE AS INSURANCE FOR LIFE

(51) International classification	:G08B21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Ameet Patil
(32) Priority Date	:NA	Address of Applicant :Spundhan Softwares Pvt. Ltd. 1st
(33) Name of priority country	:NA	Floor, Maratha Mandir Complex Khanapur Road, Belgaum
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	2)Prakash V. Diwan
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Ameet Patil
Filing Date	:NA	2)Prakash V. Diwan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention discloses methods, devices, and systems for enabling various mechanisms for help during distress or for tracking of valuables. Methods include detecting rigorous vibration of the device continuously until a time it is thought to be abnormal. Methods include detecting high frequency loud shouting sounds frequent enough to be thought abnormal. Methods include detecting rapid fall in altitude to be thought abnormal. Methods also comprise initializing GPS sensor, and obtaining the reading by communicating with satellites and obtaining the current location, further sensor provides the information regarding the angular changes in movements of the device. Methods include detecting off-city limits or off-route wandering to trigger a panic. Methods include detecting a heart beat signal from a cloud server. Methods also comprise of detecting the absence of the heart beat signal for a time enough to be thought abnormal. Methods include sending and receiving location specific and configuration data to and from a cloud server or a locally connected computer.

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

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PORTABLE SOLAR CHARGING SYSTEM FOR COTTON PICKING MACHINE AND OTHER USER DEVICES

(51) International classification	:H01L31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SUNIL KUMAR
(32) Priority Date	:NA	Address of Applicant :103, Ashok Park View, 42 Davis
(33) Name of priority country	:NA	Road, Richards Town, Bangalore, India Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUNIL KUMAR
(87) 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 Solar energy systems and, more particularly, to a portable solar charging system in solar energy systems. The portable solar charging system, which comprises of a solar panel, a rechargeable battery and a solar charge controller, can be carried by a user. The portable solar charging system converts solar energy to corresponding electrical energy and charges the rechargeable battery in it. Further, necessary power supply is provided to the cotton picking machine from the rechargeable battery. The energy stored in the rechargeable battery may also be used to power up any other electronic/electrical device or circuit that requires power.

No. of Pages: 20 No. of Claims: 9

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: NOVEL SEGMENTED STRIP DESIGN FOR A MAGNETOSTRICTION SENSOR (MSS) USING AMORPHOUS MATERIAL FOR LONG RANGE INSPECTION OF DEFECTS AND BENDS IN PIPES AT HIGH TEMPERATURES

(51) International classification	:G01D5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS
(32) Priority Date	:NA	Address of Applicant :IIT P.O., CHENNAI 600 036 Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PROF. KRISHNAN BALASUBRAMANIAM
(87) International Publication No	: NA	2)TARUN KUMAR MISHRA
(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 continuous monitoring system which will monitor the pipes without the need of shutting down of the plants. The major issues in designing such a system using magnetostriction as per prior art is the loss of magnetization of the permanent magnets used to provide the magnetic bias and also the disbonding of interfaced adhesives with which the magnetostrictive ribbons are bonded at high temperatures. The invention identifies a novel sensor which can be taken up to high temperatures without any loss of signal strength, this is achieved by generating guided waves using a special amorphous magnetostrictive ribbons. L (0, 2) mode waves are generated using these ribbons to monitor pipes working at high temperatures as per the invention.

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BATTERY PACK COLLING STRUCTURE FOR ELECTRIC VEHICLES

(31) Priority Document No :2012- 176186	(71)Name of Applicant: 1)SUZUKI MOTOR CORPORATION Address of Applicant:300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan (72)Name of Inventor: 1)Koji TAKIZAWA
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#### (57) Abstract:

Adaptation for use of outside air to cool a battery pack disposed outside a vehicle interior, preventing rain water or foreign matter from invading inside the battery pack, having an enhanced cooling performance at the battery pack. A floor panel 7 is formed with an opening 9 behind a rear seat 2, having an upper portion of a battery pack 5 provided through the opening 9 and covered with a cover panel 12. An air suction appliance 10 is provided on a top face of the battery pack 5, having an air suction port 14 of the air suction appliance 10 opening vehicle-frontward, and an air discharge port 16 of an air discharge duct 11 opening vehicle-rearward. Between side walls at vehicle-transverse two end parts of the battery pack 5, that side wall which is opposite an exhaust pipe 28 is recessed at a portion on a vehicle-frontward side thereof, to form an air suction channel 13 opening to a space between a ceiling plane of the cover panel 12 and the top face of the battery pack 5. A vehicle-transversely outside projecting step portion 15 is provided at a vehicle-rearward location relative to the air suction channel 13, and in addition, an air gap between the step portion 15 and the cover panel 12 is blocked with an air stream conducting plate 31.

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

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR CONNECTIONLESS TRANSMISSION OF SMALL DATA USING COMMON RADIO BEARERS (CRB)

(51) International classification	:H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No.
(33) Name of priority country	:NA	66/1, Bagmane Tech Park, CV Raman Nagar, Byrasandra,
(86) International Application No	:NA	Bangalore Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Venkateswara Rao Manepalli
(61) Patent of Addition to Application Number	:NA	2)Mangesh Abhimanyu Ingale
Filing Date	:NA	3)Rajavelsamy Rajadurai
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for enabling a User Equipment (UE) to connect to a packet switched wireless cellular network in connectionless (CL) transmission mode is provided. The method enables the provisioning a Common Radio Bearer (CRB) configuration in the UE to enable connectionless (CL) transmission of data packets between a User Equipment (UE) and the serving Radio Access Network (RAN) Node during an idle state of the UE. The CRB configuration specifies a user plane protocol parameter(s) of one or more layers of a user plane protocol stack. The method enables provisioning the CRB configuration to the UE using a static CRB configuration or a dynamic CRB configuration.

No. of Pages: 72 No. of Claims: 52

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A DEVICE FOR EXHAUST GAS RECIRCULATION (EGR) AND A VALVE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA : NA	(71)Name of Applicant:  1)Bosch Limited  Address of Applicant: Post Box No 3000, Hosur Road, Adugodi, Bangalore 560030, Karnataka, INDIA  2)Robert Bosch GmbH  (72)Name of Inventor:  1)TEICH Christian
Filing Date (62) Divisional to Application Number	:NA :NA :NA	
Filing Date	:NA :NA	

## (57) Abstract:

A device for exhaust gas recirculation in a naturally aspirated internal combustion (IC) engine and a valve is disclosed. The device comprises a valve comprising a flap located in proximity of the junction of an EGR path and an intake path of the naturally aspirated IC engine. The flap extends into the intake path such as to decrease the effective area of the intake path of the naturally aspirated IC engine and establish a fluid communication between the EGR path and the intake path and an actuating means adapted to actuate the flap of the valve.

No. of Pages: 14 No. of Claims: 9

(21) Application No.2153/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: MOTOR FOR ELECTRIC POWER STEERING DEVICE

(51) International :B62D5/04,F16C19/16,F16C25/08

classification (31) Priority Document No :2010260709

(32) Priority Date :23/11/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/052741

:09/02/2011 Filing Date

(87) International Publication: WO 2012/070255 No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application:NA Number :NA Filing Date

(71)Name of Applicant:

1)Mitsubishi Electric Corporation

Address of Applicant: 7.3 Marunouchi 2 chome Chivoda ku

Tokyo 1008310 Japan

(72) Name of Inventor: 1)MATSUNAGA Toshihiro

2)ASAO Yoshihito 3)AKUTSU Satoru

4)TAKASHIMA Kazuhisa

### (57) Abstract:

A motor for an electric power steering device, includes: a housing side bearing which is placed on the output side of a shaft of a rotor placed in a frame, and is supported by a housing connected to the frame; and a frame side bearing which is placed on the opposite output side of the shaft of the rotor, and is composed of an outer ring and an inner ring supported by the frame. The motor is controlled by an electronic control unit which is coaxially placed with the rotor, the motor including: a bearing box which supports the frame side bearing, and is formed with a closed end section between the closed end section and the side of the frame side bearing; an axial elastic body which is placed on the closed end section of the bearing box, and applies a preload in an axial direction to the outer ring of the frame side bearing; and a radial elastic body which is placed on the outer circumferential side of the outer ring of the frame side bearing, and applies a preload in a direction perpendicular to the axial direction.

No. of Pages: 36 No. of Claims: 17

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF FINGOLIMOD HYDROCHLORIDE

(51) International classification	:C07C215/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAMA, SHANKAR
(61) Patent of Addition to Application Number	:NA	2)POTHANI, JAYARAM
Filing Date	:NA	3)VAKITI, SRINIVAS
(62) Divisional to Application Number	:NA	4)MVSRK, CHAITANYA
Filing Date	:NA	5)KAUSHIK, VIPIN KUMAR

<sup>(57)</sup> Abstract:

No. of Pages: 15 No. of Claims: 3

The present invention relates to improved process for the preparation of Fingolimod hydrochloride.

(21) Application No.3213/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR UPDATING POINTS OF INTEREST INFORMATION VIA CROWED SOURCING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F17/00 :NA :NA	(71)Name of Applicant:  1)NOKIA CORPORATION  Address of Applicant: Keilalahdentie 4, FIN-02150 Espoo,
(33) Name of priority country	:NA	Finland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRANAV MISHRA
(87) 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 approach is provided for updating or validating information associated with potential points of interest using crowd sourcing methods. The validation/updating platform determines at least one query from at least one device for location information associated with at least one point of interest. Next, the validation/updating platform determines at least one next location visited by the at least one device. Then, the validation/updating platform causes, at least in part, an updating of the location information associated with the at least one point of interest based, at least in part, on the at least one next location.

No. of Pages: 74 No. of Claims: 48

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR SELECTING CUTTING TOOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G05B19/00 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)KENNAMETAL INC. Address of Applicant: 1600 Technology Way, Latrobe, PA 15650-0231, United States of America. U.S.A. (72)Name of Inventor: 1)Pradeep Hemmanur
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)Colin John Deem 3)David C. Minich

#### (57) Abstract:

A method of identifying a plurality of cutting tools for machining a feature having defined attributes associated therewith in a workpiece. The method comprises: assigning a characteristic to each cutting tool; receiving an indication from a user of a specific feature to be machined and at least one associated attribute; selecting a cutting tool based upon the specific feature to be machined, the at least one associated attribute of the specific feature to be machined, and the characteristic previously assigned to the cutting tool; determining if the characteristic of the selected cutting tool requires the use of another cutting tool to form the specific feature; and selecting at least one other cutting tool based at least upon the characteristic of the selected cutting tool until all of the attributes of the feature to be machined are capable of being produced by a combination of all of the selected cutting tools.

No. of Pages: 22 No. of Claims: 15

(21) Application No.3424/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DYNAMIC CONTROL OF SMALL SCALE ELECTRICAL LOADS FOR MATCHING VARIATIONS IN ELECTRIC UTILITY SUPPLY

(51) International classification :H02J3/38,H02J13/00 (71)Name of Applicant : (31) Priority Document No 1)COOPER TECHNOLOGIES COMPANY :61/389362 (32) Priority Date Address of Applicant :600 Travis Suite 5600 Houston TX :04/10/2010 (33) Name of priority country 77002 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/054780 (72)Name of Inventor: Filing Date :04/10/2011 1)ROGNLI Roger W. (87) International Publication No :WO 2012/047898 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A method of collectively controlling small scale electrical loads receiving energy from an electricity grid that includes sources of renewable generation causing variable electricity supply so as to match collective electricity load to electricity supply. The method includes setting a runtime delay time sensing a request for energy from the electrical loads preventing the loads from receiving the energy for the first delay time and adjusting the runtime delay time based on changes in electrical supply.

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

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A NEW DESIGN OF THE EQUPMENT TO CLEAN THE DISHES

(51) International classification (31) Priority Document No	:A47L15/00 :NA	(71)Name of Applicant : 1)DR. K. NAGA SRINIVAS
(32) Priority Date	:NA	Address of Applicant :28/30, 1ST CROSS STREET,
(33) Name of priority country	:NA	S.N.PET, BELLARY - 583 101 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. K. NAGA SRINIVAS
(87) 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:

It is a new design of an automatic dish washer. In which the brushes are inflatable, expandable, shrinkable, bendable, shape and size changing one. Due to this character brushes reaches to the size and shape of the vessel/bowl/containers internal as well as external cavities(surfaces). This helps in easy cleaning of the vessel/bowl/containers. Brushes moves in different directions like rotation, oscillation, vibrations, reciprocation, sliding, to clean the vessels. In one method the brush is suspended in the centre. The centrifugal force pushes the brush towards the periphery .varying the speed causes the brush movement from centre to periphery and helps in cleaning. Vessel/bowl/containers to be cleaned can be held by hand, clamps, suction holding device etc. The number of brushes varies depending upon the design of the equipment. Different materials can be used to prepare the brushes like, plastic, fabric, sponge, metal, etc. cleaning mechanism can be assisted by water, lubricant, detergent, various particles, gases, magnetic means.

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

(22) Date of filing of Application :02/05/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A NOVEL WHEEL ASSEMBLY PROTECTING AGAINST TOTAL DEFLATION OF TYRES OF A VECHICLE

(51) International classification	:B60C17/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VEERARAGHAVAN RAJAN
(32) Priority Date	:NA	Address of Applicant :NO: 409-B, 21ST STREET, 5TH
(33) Name of priority country	:NA	SECTOR, K.K.NAGAR, CHENNAI - 600 078 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)VEERARAGHAVAN RAJAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A novel wheel assembly protecting against total deflation of tyres of an vehicle comprising a two or more resilient partition structure to accommodate multiple tube and tyres, such that in the event of failure/puncture of a single tube the vehicle incorporating the novel wheel assembly, capable of further transportation.

No. of Pages: 11 No. of Claims: 2

(21) Application No.2320/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention: PYRIDYL AMINE FUSED AZADECALIN MODULATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D471/00 :61/377558 :27/08/2010 :U.S.A. :PCT/US2011/049408 :26/08/2011 :WO 2012/027702 :NA :NA	(71)Name of Applicant:  1)CORCEPT THERAPEUTICS INC.  Address of Applicant: 149 Commonwealth Drive Menlo Park California 94025 U.S.A. (72)Name of Inventor:  1)CLARK Robin  2)JOHNSON Tony  3)HUNT Hazel  4)MCDONALD Ian
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### (57) Abstract:

The present invention provides a novel class of pyridyl amine fused azadecalin compounds and methods of using the compounds as glucocorticoid receptor modulators.

No. of Pages: 125 No. of Claims: 28

(12) TATENT ATTLICATION TOBLICATION

(21) Application No.3224/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BATTERY UNIT MOUNTING STRUCTURE FOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B60R :2012- 164421 :25/07/2012 :Japan :NA :NA : NA : NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku, Hamamatsu, Shizuoka, 432-8611, Japan (72)Name of Inventor:  1)Naoto FUJII
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a battery unit mounting structure for a vehicle which allows a drive battery unit and an air conditioning duct to be mounted on a floor panel of the vehicle in a manner that reduces cost, weight, and space, and also allows the floor panel to be reinforced. A battery unit mounting structure for a vehicle of the present invention includes a floor panel 104, a side member 144 attached to a lower surface of the floor panel 104, and extending in a longitudinal direction of the vehicle, and a bracket 132 mounted on a upper surface of the floor panel 104 above the side member 144. The bracket 132 includes an attachment portion 146 which is attached to the side member 144 in a three-layer structure, two vertical wall portions 148 and 150 extending upward from respective corresponding end portions in a transverse direction of the vehicle of the attachment portion 146, and two support portions 152 and 154 configured to support the battery unit 102, and each extending from an upper end of the corresponding one of the two vertical wall portions 148 and 150 in a direction away from a center of the bracket 132.

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

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A DEVICE TO MEASURE A SPECIFIC GRAVITY OF A LIQUID

(51) International classification	:G01L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(86) International Application No	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAMAKRISHNA SETTY Vijayendra Olety
Filing Date	:NA	2)MUDGAL Ravindra Ranoji
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A device 100 to measure a specific gravity of a liquid in a container 102 comprising a structure 103 having a material 104 at the center having a density similar as that of the liquid and a plurality of strain gauges 106 connected to the material 104, adapted to monitor a pressure exerted on the material 104 and to provide a plurality of voltage signals. An amplifier 107 amplifies the plurality of voltage signals and gives as an input to an analog to digital converter 110 to convert the plurality of voltage signals to a plurality of digital signals. A calculating means 111 calculates a density of the liquid from plurality of digital signals and calculates the specific gravity of the liquid from the calculated density and a reference density. A display 112 displays the specific gravity of the liquid.

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

(21) Application No.1003/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : STRUCTURAL ADHESIVE APPLICATION METHOD FOR THE HOOD AND FEDER ASSEMBAL OF AGRICULTURAL VEHICLES

ED
ENNAI

### (57) Abstract:

A novel structural adhesive application method is disclosed. In accordance with the present invention, Infrared (IR) heating units are installed on portable stand(s). As a result, the curing process is accelerated and is thus amenable to fast production. Further, the existing weld shop layout and the aesthetics of the vehicles exterior are not affected.

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

(22) Date of filing of Application :06/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING DEFERASIROX

(51) International classification (31) Priority Document No	:A61K9/00 :NA	(71)Name of Applicant : 1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BHANDARI, NILESH
(61) Patent of Addition to Application Number	:NA	2)JAISWAL, ASHISH
Filing Date	:NA	3)RAJASEKHAR, CHETAN
(62) Divisional to Application Number	:NA	4)CHAKRABORTY, SANTANU
Filing Date	:NA	5)DESHMUKH, ABHIJIT

## (57) Abstract:

The invention relates to dispersible pharmaceutical compositions comprising deferasirox and one or more pharmaceutically acceptable excipients. More specifically, it relates to dispersible tablet comprising deferasirox, Cremophor® RH 40 and one or more pharmaceutically acceptable excipients, wherein the tablet is prepared by top-spray fluid bed granulation process.

No. of Pages: 23 No. of Claims: 7

(12) TATENT ATTEMENTON TOBERCATION

(21) Application No.3380/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: POWER TOOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B23Q :2012- 169877 :31/07/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)MAKITA CORPORATION  Address of Applicant: 3-11-8, Sumiyoshi-cho, Anjo-shi, Aichi 446-8502, Japan  (72)Name of Inventor:  1)Takashi KIYOHARA  2)Takashi SAKAMOTO  3)Tomohiro HACHISUKA
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### (57) Abstract:

A power tool includes a tool main body having a drive motor disposed therein, a grip extending downwards from a rear portion of the tool main body, and a spindle rotatably driven by the drive motor and protruding from a front portion of the tool main body. A plurality of protrusions may be provided on an upper portion of the tool main body.

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

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A DEVICE FOR EXHAUST GAS RECIRCULATION (EGR) AND A VALVE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA :NA : NA : NA	(71)Name of Applicant:  1)Bosch Limited  Address of Applicant: Post Box No 3000, Hosur Road, Adugodi, Bangalore 560030, Karnataka, INDIA  2)Robert Bosch GmbH  (72)Name of Inventor:  1)TEICH Christian  2)KWASNY Rainer
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

A valve 10 and a exhaust gas recirculation device 34 for naturally aspirated internal combustion engine 12 is disclosed. The valve 10 is located in proximity of the junction of an intake path 14 and an EGR path 16 of the naturally aspirated internal combustion engine 12. The valve 10 comprises a housing 18 having an inlet 20 in fluid communication with the EGR path 16 and an outlet 22 in fluid communication with the intake path 14. The valve is characterized by a movable element 24 comprising a shaft 26 and a valve element 28 mounted on the shaft 26. The movable element 24 is adapted to be operated between a first position and a second position and a valve seat 30 fitted in the housing 18 in a manner such that in one position of the movable element 24 the valve element 28 and the valve seat 30 are engaged to each other.

No. of Pages: 14 No. of Claims: 9

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A PNEUMATIC OPERATED SPM FOR MANUFACTURING OF SPARKLERS

(51) International alexaic action	·D(5(52/00	(71)Name of Applicant:
(51) International classification	:B65G53/00	,
(31) Priority Document No	:NA	Address of Applicant :APIE , BALANAGAR,
(32) Priority Date	:NA	HYDERABAD-500037, ANDHRA PRADESH Andhra Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	2)M/S. SRI KALISWARI FIREWORKS (P) LTD.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)V.KRISHNASWAMI
(61) Patent of Addition to Application Number	:NA	2)V.UDAYA BHASKARA REDDY
Filing Date	:NA	3)R.K.PAVITHR KUMAR
(62) Divisional to Application Number	:NA	4)K.BALAJI
Filing Date	:NA	5)A.SIRISHA REDDY
		6)CH.JANAKIRAM

## (57) Abstract:

A pneumatic operated system and process for making fireworks is disclosed. The system includes a pallet plate for holding thin rods and are fitted in pallets with a fixture, an automatic gravity fed conveyor provided with adequate slope for facilitating the movement of the placed pallet plate towards a pickup station and a slurry tank affixed with conveyor motor for amalgamating a predetermined amount of chemical composition to form a uniform slurry mix. It further includes a vertical pneumatic cylinder enabled with gripping mechanism positioned vertically above the pickup station to hold the pallet plate, a horizontal pneumatic cylinder adapted to shift the vertical pneumatic cylinder towards the slurry tank and then the dipped pallet plate positioned over the resting plate. The automatic gravity fed return conveyor moves the dipped pallet plate towards the drying location for drying.

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :23/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : NOVEL SOLVATE FORMS OF CABAZITAXEL AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:C07D305/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LEIUTIS PHARMACEUTICALS PVT LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO.23, VSR COMPLEX, TIE
(33) Name of priority country	:NA	1ST PHASE, BALANAGAR, HYDERABAD - 500 037 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KOCHERLAKOTA CHANDRASHEKHAR
(61) Patent of Addition to Application Number	:NA	2)BANDA NAGARAJU
Filing Date	:NA	3)PULLAGURLA MANIK REDDY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to novel solvate forms of cabazitaxel and preparation thereof. The invention further relates to tertiary-butyl alcohol solvate form of Cabazitaxel, and process of preparation thereof, and pharmaceutical compositions comprising of the novel solvate form of cabazitaxel.

No. of Pages: 23 No. of Claims: 7

(22) Date of filing of Application :24/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A DEVICE FOR LOCKING AND UNLOCKING A WHEEL ASSEMBLY

(51) International classification :B60 (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 Filing Date :NA	B (71)Name of Applicant:  1)Robert Bosch Engineering and Business Solutions Limited  Address of Applicant:123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560095, Karnataka, INDIA  2)Robert Bosch GmbH (72)Name of Inventor:  1)KRISHNAMURTHY Santosh Kumar  2)PRASAD Shanthi
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#### (57) Abstract:

A device for locking and unlocking a wheel assembly is disclosed. The device includes a driving means located within a wheel hub on which a wheel rim is mounted. The device also includes a locking pin driven by the driving means. The locking pin is connected to the motor through a gear assembly and adapted to move between a first position and a second position.

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PREDICTING THE REMAINING LIFE OF A TRANSFORMER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Priving and to Application Number</li> </ul>	:02/11/2011 :WO 2012/059503 :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant: Affolternstrasse 44 CH 8050 Z <sup>1</sup> / <sub>4</sub> rich Switzerland (72)Name of Inventor:  1)ASANO Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Method of assessing the remaining lifetime of a transformer operating at temperatures above IEC 60°C/65°C/78°C or IEEE 65°C/65°C/80°C comprising a core a winding conductor covered by high temperature insulation material and pressboard material arranged as an insulation barrier and/or a supporting structure wherein said covered winding conductor and said pressboard material are immersed in a fluid having a fire point of at least 300 °C said method comprising the steps of: a) at least twice measuring the temperature of the fluid at its top surface and registering the time of each measurement; and b) assessing the remaining lifetime of the transformer as a function of the measured temperatures and the corresponding registered times and/or a) obtaining a sample of pressboard material that has been in contact with the fluid at its top surface; and b) analysing the sample to assess the remaining lifetime of the transformer wherein the high temperature insulation material is as defined in IEC 60076 14:2009 or IEEE 1276:1997.

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ROTARY MOULDING MACHINES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to	:06/10/2010 :U.S.A. :PCT/US2011/053830 :29/09/2011 :WO 2012/047705 :NA :NA	(71)Name of Applicant:  1)GRAHAM ENGINEERING CORPORATION Address of Applicant:1203 Eden Drive York Pennsylvania 17402 U.S.A. (72)Name of Inventor: 1)MATHY JR. John M. 2)FIORANI David N.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention is directed a rotary molding machine (20) having a wheel mounted for rotation on a pair of shafts positioned along the rotational axis of the wheel. A first shaft cooperates with a first turntable of the wheel and a second shaft cooperates with a second turntable. The first and second turntables extend transversely to the rotational axis. A plurality of modular mold clamp assemblies (100) are positioned on the wheel with each modular mold clamp assembly being moveable between an open and a closed position. Each modular mold clamp assembly has mounting areas which are mounted with respective mounting locations each turntable. The modular mold clamp assemblies provide the structure and rigidity between the turntables to help maintain the turntables in position relative to each other.

No. of Pages: 38 No. of Claims: 21

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AN ELECTRODE OF A BATTERY CELL

(51) International classification	:H01M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:NA	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(33) Name of priority country	:NA	Yokohama-shi, Kanagawa, 2210023 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAMBIYUR THANGAVEL, Kalyana Sundaram
(87) International Publication No	: NA	2)CHAKKRAVARTHY, Raghupathy Bala Praveen
(61) Patent of Addition to Application Number	:NA	3)SINGH, Gurpreet
Filing Date	:NA	4)TOSHIKAZU, Nanbu
(62) Divisional to Application Number	:NA	5)YOSHITAKA, Uehara
Filing Date	:NA	6)YUKI, Kusachi

#### (57) Abstract:

Method(s) for fabricating an electrode of a battery cell are described herein. According to an embodiment of the present subject matter, the method includes perforating a current collector to create micro pillar structure which protrudes from at least one of, a top surface and a bottom surface of the current collector. Further, the method includes coating an active material on each of, the top surface and the bottom surface of the perforated current collector, where the coating is of a pre-determined thickness, and forming micro hole on the top and the bottom surface of the coating, where depth of the micro hole is less than the pre-determined thickness.

No. of Pages: 28 No. of Claims: 18

(2

(21) Application No.1168/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FORCED AIR COOLED INTERNAL COMBUSTION ENGINE

(51) International classification	:F01P	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAMADOSS SAMBATHKUMAR
(61) Patent of Addition to Application Number	:NA	2)SHASHANKA GP
Filing Date	:NA	3)CHITHAMBARAM SUBRAMONIAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A forced air cooling mechanism for an internal combusti<sup>3</sup>n engine by using a housing fan and a deflector surrounding the cylinder block and the cylinder head of an internal combusti<sup>3</sup>n engine. The housing fan guides the air coming from the outer atmosphere to the fan cover and then branched in two directions. One part of the branched air travelling longer path around the fins of the cylinder and finally being exited from the deflector through an exit opening. Other part of the branched air taking the shorter path and getting exited through the same exit opening. The invention being characterized by better sealing mechanism provided on the deflector and fan housing which covers the cylinder head. The housing fan and the deflector being secured with each other by use of fasteners and on the cylinder head fin by use of corrugated sealing material, which hooks the cylinder head fin inside it.

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

(21) Application No.2751/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NEW SAFETY PLUS INNOVATION

(51) International classification (31) Priority Document No	:G06F17/00 :NA	(71)Name of Applicant : 1)SRAVAN KUMAR GANTA
(32) Priority Date	:NA	Address of Applicant :H.NO.8-403, NEAR OIL BUNK,
(33) Name of priority country	:NA	CHARLA PO MD, KHM.MAM DISTRICT Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRAVAN KUMAR GANTA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Safe traveling system for moving vehicles, comprising: A means for identifying the moving vehicles; a system for measuring distance between the moving vehicles/and static objects; A system for generating magnetic waves using R.F. Oscillators; A circuit to filter magnetic waves; A spring like part to receive the energy generated upon the collision.

No. of Pages: 12 No. of Claims: 2

(19) INDIA

(21) Application No.3217/CHE/2013 A

(22) Data a C Cilina a C A multi-ation

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: WIRELESS INTERCONNECT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04J13/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Omprakash N Sringeri Address of Applicant:#2788, 16 Cross, 6 Main, Banashankari II stage, Bangalore 560070, India. Phone: +91-80-2676 1507 Mobile: +91-94483 56142 Fax: +91-80-66886224 Karnataka India (72)Name of Inventor:
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	(72)Name of Inventor: 1)Omprakash N Sringeri 2)U Sripati 3)Bandi Ravi Kumar

## (57) Abstract:

According to an aspect of the present disclosure, the integrated circuits are interconnected to each other over a wireless communication channel. The I/O signals from the interface points on one integrated circuit are modulated with an orthogonal code and transmitted over a wireless communication channel. The interface points on corresponding integrated circuit selectively receive the signal using the respective orthogonal codes which were used at the first integrated circuit. In one embodiment of the present disclosure, a system comprising multiple numbers of integrated circuits is interconnected over a wireless communication channel. A set of integrated circuits transmit the signals after modulating with carrier signals of different frequency. This transmitted signal is selectively received by a corresponding integrated circuit by using the same frequency carrier signal which is used at the first set of integrated circuits.

No. of Pages: 15 No. of Claims: 5

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: STARCH UREA BORATE BASED GASTRORETENTIVE FORMULATIONS FOR SITE SPECIFIC (GASTRIC REGION), CONTROLLED RELEASE AND ENHANCED BIOAVAILABILITY OF ACTIVE PHARMACEUTICAL INGREDIENTS

(51) International classification	:A61K9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PROF. K. P.R. CHOWDARY AND
(32) Priority Date	:NA	Address of Applicant : A.U. COLLEGE OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, ANDHRA UNIVERSITY,
(86) International Application No	:NA	VISAKHAPATNAM - 600 003 Andhra Pradesh India
Filing Date	:NA	2)DR. R. SANTOSH KUMAR
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PROF. K. P.R. CHOWDARY AND
Filing Date	:NA	2)DR. R. SANTOSH KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the field of pharmaceutical technology and describes preparation of starch urea borate and novel gastroretentive effervescent floating drug delivery systems (GEFDDS) employing starch urea borate for attaining site specific controlled release and enhanced bioavailability of active pharmaceutical ingredients (APIs). The novel starch urea borate matrix composition is suitable for producing GEFDDS of a large number of APIs. In the new GEFDDS an active ingredient is present essentially, uniformly dispersed in a matrix composed of starch urea borate with or without other additives such as gas generating agents, binding agents and floating enhancers. The matrix compositions are in the form of compressed tablets (prepared by melt granulation technique) as a platform technology for obtaining site specific (gastric region) and controlled release of APIs belonging to different chemical and pharmacological categories and which require gastroretentive formulation for enhanced bioavailability. GEFDDS employing starch urea borate are suitable for once a day gastroretentive drug delivery systems of several APIs.

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

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A SYSTEM AND METHOD FOR CUSTOMER EVALUATION AND RETENTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)Decisive Analytical Systems Private Ltd.  Address of Applicant: Cauvery Krupa I floor, #297, 15th  Main, 100 Feet Ring Road, J.P.Nagar 5th Phase, Bangalore -
(86) International Application No Filing Date	:NA :NA	560078 Karnataka India (72)Name of Inventor :
(87) International Publication No	: NA	1)Soundararajan Vijay Chander
(61) Patent of Addition to Application Number	:NA	2)Raju Veerendra Hittenhallikoppalu
Filing Date  (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a system and method for customer evaluation and retention. The system is adapted to receive and record all data concerning customer<sup>TM</sup>s interaction during the transaction from various touch points and sends the data to a server for further processing. The scoring module of the system allocates values to each customer by assigning score based on various scoring attributes. The final updated information about each customer is pushed back to all touch points that will be further used by business owners for formulating customer retention programs. The availability of real time information regarding customer net present value is beneficial in computing and proposing retention program as the evaluation data is based on past trends taking into consideration recency, frequency, monetary history and individual sentiment scores.

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

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A BRUSH HOLDER ASSEMBLY FOR A STARTER MOTOR

(F1) Intermedianal alegais action	.H01D20/00	(71)Nome of Applicant.
(51) International classification	:H01K39/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(86) International Application No	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)GEORGE Julius
Filing Date	:NA	2)MANICKAM Manikandan
(62) Divisional to Application Number	:NA	3)CHRISTOPHER Mathew
Filing Date	:NA	

#### (57) Abstract:

A brush holder assembly 100 for a starter motor is disclosed. The brush holder assembly 100 for starter motor, starter motor comprises a commutator, the brush holder assembly 100, comprising a brush 102 and a brush guide 101, the brush 102 adapted to be located in the brush guide 101 such that, the brush 102 presses against the commutator, characterized in that a stopping means 105 at a first end of the brush 102, the first end of the brush 102 away from the commutator; and a receiving means 106 at a first end of the brush guide 101, the first end of the brush guide 101 away from the commutator. Brush guide 101 secures the brush 102 by locking a stopping means 105 of the brush 102 in a receiving means 106 of the brush guide 101 until brush holder assembly is assembled to the starter motor. Figure 1

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

(22) Date of filing of Application :01/05/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE AND DRUG DELIVERY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61M5/315 :10186736.4 :06/10/2010 :EPO :PCT/EP2011/067418 :05/10/2011 :WO 2012/045794 :NA :NA	(71)Name of Applicant:  1)SANOFI AVENTIS DEUTSCHLAND GMBH Address of Applicant: Br1/4ningstrae 50 65929 Frankfurt Germany (72)Name of Inventor: 1)PLUMPTRE David Aubrey
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A lead screw a lead screw nut (7) and a drive member (8) are aligned with an axis defining an axial direction and an opposite axial direction. A coupling between the lead screw and the lead screw nut allows a helical movement of the lead screw with respect to the lead screw nut at least in the axial direction. The lead screw is coupled with the drive member the coupling generating a helical movement of the lead screw with respect to the drive member when the drive member is moved in the axial direction with respect to the lead screw. A dispense stop feature (19) of the lead screw nut and a dispense stop feature (20) of the drive member prevent the generation of the helical movement of the lead screw when a specified end position of the drive member is approached.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DOMESTIC DISPOSAL BOOTH-A SYSTEM FOR ETHICAL DISPOSAL OF WASTE

(51) International classification	:B09B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SELVAM S
(32) Priority Date	:NA	Address of Applicant :1/296, EAST COAST ROAD,
(33) Name of priority country	:NA	BEHIND INDIA MOTORS, KOTTIVAKKAM, CHENNAI -
(86) International Application No	:NA	600 041 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANDHIYA S M
(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 ethical disposal of domestic waste that provides a better destination for waste. The DOMESTIC DISPOSAL BOOTH(DDB) which is a process involving the combination of current available technologies under a single roof with an innovative system of collecting and processing the waste which will bring a relief in disposal of waste from generation point to a proper destination. This will promote fundamental changes, in the way societies dispose the waste using simple booth set up in every street. Thereby preventing open land fill, reduce pollution and health hazards, stops manual handling of waste, etc.

No. of Pages: 17 No. of Claims: 1

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A DEVICE FOR LOCKING A COVER TO A HOUSING

#### (57) Abstract:

Disclosed herein is a device 100 for locking a cover 102 to a housing. The device 100 comprises a lever 104 pivotably connected to a cover 102 through an engagement member 103 provided on the cover 102. The lever 104 is adapted to lock the cover 102 to the housing. A locking member 107 is rotatably attached to a groove 108 formed on the lever 104. The locking member 107 locks and unlocks the lever 104 at a given position with respect to the cover 102, by selectively rotating a key 105 provided on the locking member 107 against the groove 108 for securing the cover 102 against the housing.

No. of Pages: 11 No. of Claims: 5

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEM, METHOD AND DEVICE FOR PROVIDING EXTENDED CONNECTIVITY ON A CONTROLLER AREA NETWORK

(51) International classification	:H04L12/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(86) International Application No	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ACHARYA Rajneesh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device (130) is connected to a Control Area Network (CAN) (101) and is configured to transmit data using a CAN protocol. The device comprises a data source (405) for providing data for communication. A network layer processor (415) is configured to encapsulate the data in a first packet complying to a first network protocol (460). An address resolution processor (ARP) (420) is configured to form a CAN communication packet comprising a Destination Node Number (DNN) (218) and a Fragment Sequence Number (FSN) (221) in a data field (215) of the CAN communication packet, wherein the DNN (218) identifies the destination address of a destination Electronic Control Unit (ECU) (120) connected to the CAN and the FSN (221) representing the sequence number. A transmitter (475) transmits the CAN communication packet on the CAN bus (101).

No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: MEMORY CELL HAVING BUILT-IN WRITE ASSIST

(51) International classification	:C12N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LSI CORPORATION
(32) Priority Date	:NA	Address of Applicant :1320 Ridder Park Drive, San Jose,
(33) Name of priority country	:NA	CA, 95131, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAHILPREET SINGH
(87) International Publication No	: NA	2)ANJANA DAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A memory cell includes a storage element including a pair of cross-coupled inverters, and first switching circuitry for selectively connecting at least one internal storage node of the storage element with a corresponding bit line as a function of a first control signal. Write assist circuitry is connected between a supply node of a device of at least one of the cross-coupled inverters and a voltage supply of the memory cell, and second switching circuitry selectively couples the supply node of the device of at least one of the cross-coupled inverters with the corresponding bit line as a function of a second control signal. During a write operation, the write assist circuitry disconnects the storage element from the voltage supply, and the second circuitry connects the supply node of the device of at least one of the cross-coupled inverters with the corresponding bit line.

No. of Pages: 40 No. of Claims: 23

(21) Application No.3563/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :09/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ADVANCED TAMIL KEYBOARD

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PSG College of Technology
(32) Priority Date	:NA	Address of Applicant : Avinashi Road, Peelamedu,
(33) Name of priority country	:NA	Coimbatore 641004, Tamilnadu, India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)T.Sivakumar
(87) International Publication No	: NA	2)K.V.Arun Maari Rajha
(61) Patent of Addition to Application Number	:NA	3)F.R.Jeevan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Tamil keyboard for inputting characters of a Tamil script is provided. The Tamil keyboard includes (a) a first row that includes a first set of keys for the English characters Q,W,E,R,T,Y,U,I,O and P, (b) a second row that includes a second set of keys for the English characters A,S,D,F,G,H,J,K and L, and (c) a third row that includes a third set of keys for the English characters Z,X,C,V,B,N and M. Each of (a) the first set of keys, (b) the second set of keys, and (c) the third set of keys includes at least one (i) Tamil character, or (ii) Tamil sub-character in addition to the English characters, spatially grouped on the Tamil keyboard based on visualization characteristics of (i) the Tamil character, or (ii) the Tamil sub-character. The visually similar Tamil characters are provided in a single key or a neighboring key.

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

(22) Date of filing of Application :11/05/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: AEROSOL FORMULATION FOR THE TREATMENT OF ARTHRITIS

		(71)Name of Applicant :
		1)DR. RAJASEKARAN AIYALU
(51) International classification	:A61K36/00	Address of Applicant :KMCH COLLEGE OF PHARMACY
(31) Priority Document No	:NA	KOVAI ESTATE, KALAPATTI ROAD, COIMBATORE - 641
(32) Priority Date	:NA	048 Tamil Nadu India
(33) Name of priority country	:NA	2)DR. ARULKUMARAN GOVINDARAJAN
(86) International Application No	:NA	3)MR. ARIVUKKARASU RAMASAMY
Filing Date	:NA	4)MR. ITHAYAVENTHAN SUBRAMANIAM
(87) International Publication No	: NA	5)DR. SUBRAMANIAM THAYAPPAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. RAJASEKARAN AIYALU
(62) Divisional to Application Number	:NA	2)DR. ARULKUMARAN GOVINDARAJAN
Filing Date	:NA	3)MR. ARIVUKKARASU RAMASAMY
		4)MR. ITHAYAVENTHAN SUBRAMANIAM
		5)DR. SUBRAMANIAM THAYAPPAN

## (57) Abstract:

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

<sup>2.</sup> A novel aerosol formulation comprising extract from two herbal plants namely Cardiospermum halicacabum Linn and Vitex negundo L, and therapeutically effective amount of one or more propellant with one or more pharmaceutical excipient.

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ELECTROPHOTOGRAPHIC PHOTOSENSITIVE MEMBER, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G03G15/00 :2012- 147158 :29/06/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)CANON KABUSHIKI KAISHA Address of Applicant: 30-2, SHIMOMARUKO 3-CHOME, OHTA-KU, TOKYO Japan (72)Name of Inventor: 1)KAKU, KENICHI 2)SEKIYA, MICHIYO 3)SEKIDO, KUNIHIKO 4)OKUDA, ATSUSHI 5)NAKAMURA, NOBUHIRO 6)ITO, YOTA 7)TOMONO, HIROYUKI 8)ISHIDUKA, YUKA
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## (57) Abstract:

An electrophotographic photosensitive member has a laminated body, and a hole transporting layer formed on the laminated body, wherein the laminated body is a - laminated body having a conductive support, an electron transporting layer and a charge generating layer. When an impedance is measured by forming a circular-shaped gold electrode having a thickness of 300 nm and a diameter of 10 mm on a surface of the charge generating layer of the laminated body by sputtering, and applying an alternating electric field of 100 mV and 0.1 Hz between the conductive support and the gold electrode, the laminated body of the electrophotographic photosensitive member satisfies the following expression (1): R opt R dark R

No. of Pages: 132 No. of Claims: 10

(21) Application No.2944/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A FUEL INJECTION PUMP

(51) International classification	·F02M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch GmbH
(32) Priority Date	:NA	Address of Applicant :Stuttgart, Feuerbach, Germany
(33) Name of priority country	:NA	Germany
(86) International Application No	:NA	2)Bosch Limited
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Bala Sakthivel Kamaraj
(61) Patent of Addition to Application Number	:NA	2)Shashikanth Nagarajaiah
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fuel injection pump 100 comprises housing 101, a plunger 102, and a roller tappet 103. The housing 101 defines a high pressure chamber 104 and a low pressure chamber 105. The plunger 102 is located in the housing 101 such that one end of the plunger 102 reciprocates within the high pressure chamber 104 and other end of the plunger 102 reciprocates within the low pressure chamber 105. A membrane 106 is fitted to a plate 107 located in the low pressure chamber 105; the plate 107 is connected to the roller tappet 103. The membrane 106 is adapted to seal the low pressure chamber 105.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DYNAMIC ETA AND STA TRANSPORTATION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A47L :NA :NA :NA	(71)Name of Applicant:  1)Accenture Global Services Limited Address of Applicant: 3 Grand Canal Plaza, Grand Canal Street Upper, Dublin 4, IRELAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Anutosh MAITRA
(87) International Publication No	: NA	2)Sanjoy PAUL
(61) Patent of Addition to Application Number	:NA	3)Saurabh BHADKARIA
Filing Date	:NA	4)Chiranjeeb GHOSH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A transportation system may store a standard time of arrival table including standard time of arrivals for fixed stops and waypoints or geo-sections. Delay of a vehicle reaching a fixed stop is determined and may be used to determine an estimated time of arrival to a destination on the route. Delay may be determined in response to traversing the waypoints or geo-sections on the route, and the estimated time of arrival may be updated according to the delay at each waypoint or geo-section.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :29/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: FUEL GAUGE FOR AN AUTOMOTIVE VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA	(72)Name of Inventor: 1)SURAJIT DAS 2)V RAMALINGAM 3)SAMRAJ JABEZ DHINAGAR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a fuel gauge for detecting the fuel level inside the fuel tank of an automotive vehicle. The present fuel gauge is a capacitance based fuel gauge and the fuel level inside the fuel tank is determined based on the capacitance developed at two parallel printed circuit board plates immersed inside the fuel contained in the fuel tank, wherein the two parallel printed circuit board plates form a part of a capacitance based fuel level sensor. A sine wave of constant frequency and constant amplitude acts as an excitation signal for the capacitance based fuel level sensor, which subsequently gets differentiated by a differentiator comprising the capacitance based fuel level sensor. This differentiated sine wave forms the output signal of the capacitance based fuel level sensor and its amplitude directly corresponds to the fuel level inside the fuel tank. This amplitude is detected by a peak detector and it is subsequently converted to rider readable fuel level information.

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

(21) Application No.2792/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PIVOT STEERING SHAFT

(51) International classification	:B62D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES, NO. 29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI - 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. SARAVANARAJAN
(61) Patent of Addition to Application Number	:NA	2)CHANDAN BANSILAL CHAVAN
Filing Date	:NA	3)DEEPAK KUMAR NIRALA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present subject matter discloses a steering column assembly comprising a pivot steering shaft with a rod-in-tube configuration which leads to reduction in weight of the pivot steering shaft without attenuating its functionality. The pivot steering shaft is locally strengthened at its lower end by a solid rod means where the bending stresses are maximum.

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

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM AND METHOD TO ACHIEVE BETTER EYELINES IN CG CHARACTERS

(31) Priority Document No :13/55	2)SONY PICTURES TECHNOLOGIES INC. (72)Name of Inventor:
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#### (57) Abstract:

Systems and methods are provided to create better-looking animated eyes for CG characters. The systems and methods set the rigging of each eye to, rather than precisely converge on a target location, converge but be rotationally or angularly offset by a certain amount to simulate correct physical eye positioning and movements. In addition, the systems and methods provide even more realistic eye appearance by taking account of the refractive properties of the cornea, e.g., which can make the pupil appear larger than it actually is. The systems and methods may further take account of a shadowing effect of the upper eye caused by the brow, eyelashes, and upper lid (as well as an effect caused by reflection from the underside of the eyelashes). This darkening of the upper portion of the eye addresses vertical eyeline discrepancies caused by the visual and optical illusion of incorrect lighting.

No. of Pages: 33 No. of Claims: 25

(21) Application No.3160/CHE/2013 A

(19) INDIA

(22) Date of filing of Application: 15/07/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ANTENNA TUNING FOR MULTIBAND OPERATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(32) Name of priority country</li></ul>	:H01Q9/00 :12176789.1 :17/07/2012	Address of Applicant :295 Phillip Street, Waterloo, Ontario
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:EPO :NA :NA	N2L 3W8, Canada (72)Name of Inventor: 1)Firass Mirza BADARUZZAMAN
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)Randy Alan WIESSNER 3)Marshall Joseph KATZ
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and process that incorporates teachings of the subject disclosure may include, for example, a multiband antenna as may be used in mobile communications devices. The multiband antenna includes a common feed port coupled to each of a first radiating portion and a second radiating portion. Each of the first and second radiating portions defines a respective resonant bandwidth. The multiband antenna also includes at least one adjustable tuning circuit disposed between physically isolated radiating segments of a respective one of the first and second radiating portions. Adjustment of the tuning circuit alters a corresponding resonant bandwidth allowing the corresponding resonant bandwidth to be tuned independently of the other resonant bandwidth and without affecting performance of the other resonant bandwidth. In at least some embodiments, the tuning circuit can include a tunable phase shifter having one or more components, each having a variable reactance. Other embodiments are disclosed.

No. of Pages: 54 No. of Claims: 17

(21) Application No.3447/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SEQUENCES FOR THE DIAGNOSIS OF YELLOW HEAD VIRUS/ GILL ASSOCIATED VIRUS (YHV/GAV)

		I
(51) International classification	:C12Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr.C.R.Subhashini
(32) Priority Date	:NA	Address of Applicant : Aristogene Biosciences Pvt Ltd, A-
(33) Name of priority country	:NA	67(A), First Cross, Rajaji Nagar Industrial Estate, Bangalore
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr.C.R.Subhashini
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		I .

#### (57) Abstract:

The invention relates to the field of diagnostic testing. More specifically, new primers have been developed for use in detection of the Yellow Head Disease Virus of shrimp. The invention further provides for single tube nested PCR-based processes for using the primers in template dependent nucleic acid polymerase extension reactions to amplify select target regions of YHV/GAV.

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

(22) Date of filing of Application :16/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR LAYING A PLURALITY OF SUCCESSIVE SECTIONS OF CABLES IN ORDER TO FORM A CABLED CONNECTION OF GREAT LENGTH

(51) International classification	:H02G1/08	(71)Name of Applicant :
(31) Priority Document No	:01338/10	1)PLUMETTAZ HOLDING SA
(32) Priority Date	:20/08/2010	Address of Applicant :Z.I En Vannel C Rte de la Gribannaz
(33) Name of priority country	:Switzerland	12 CH 1880 Bex Switzerland
(86) International Application No	:PCT/EP2011/064272	2)EHTP ENTREPRISE HYDRAULIQUE ET TRAVAUX
Filing Date	:19/08/2011	PUBLICS
(87) International Publication No	:WO 2012/022799	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)PLUMETTAZ Grard
Number	:NA	2)DUNAND Michel
Filing Date	.INA	3)PERELLE Jo«l
(62) Divisional to Application Number	:NA	4)PERIGNON Olivier
Filing Date	:NA	5)CHERIX Michel

## (57) Abstract:

A method for laying a plurality of cable sections (2) to be successively positioned in series in a buried duct (1) according to a flowing pushing method using a pressurized fluid characterized in that: the different cable sections (2) are successively introduced into the duct (1) in a single entry point (A) comprising a laying device (10) notably comprising an orifice (12) for introducing a pressurized fluid a cable section (2) entirely introduced into the duct (1) is pushed towards the position which it should occupy in the duct only by the pressure of the fluid introduced by said laying device (10) and when a cable section (2) has reached his final position in the duct an opening is made in the duct (1) near to the rear of said cable section (2).

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

(21) Application No.1211/CHENP/2013 A

Address of Applicant: 11 1 Nagatacho 2 chome Chivoda ku

(71)Name of Applicant:

Tokyo 1006150 Japan

1)ABE Tetsushi

(72)Name of Inventor:

2)MIKI Nobuhiko 3)OHWATARI Yusuke

1)NTT DOCOMO INC.

(19) INDIA

(22) Date of filing of Application: 14/02/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: CSI RS SIGNALING METHOD AND BASE STATION

(51) International :H04W28/06,H04W72/04,H04W92/10 classification

(31) Priority Document :2010-181867

(32) Priority Date :16/08/2010

(33) Name of priority

country

(86) International

Application No :16/08/2011 Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to **Application Number** Filing Date

:Japan

:PCT/JP2011/068546

:WO 2012/023550 A1

:NA :NA

# (57) Abstract:

A CSI RS signaling method enables CSI RS location indexes representing the arrangement positions of CSI RSs within resource blocks to be signaled in a highly efficient manner. The CSI RS signaling method is characterized by providing: a step in which CSI RSs which are reference signals for estimating downlink channels are arranged in CSI RS resources that are reserved for transmitting CSI RSs; a step in which a CSI RS location index representing the arrangement positions of the CSI RSs arranged in the CSI RS resources is generated and the index pattern of the CSI RS location index changes according to the number of CSI RS ports in such a manner that an index pattern the having a smaller number of CSI RS ports becomes a subset of an index pattern having a large number of CSI RS ports; and a step in which the generated CSI RS location index is transmitted to mobile terminals.

No. of Pages: 62 No. of Claims: 10

(22) Date of filing of Application :09/01/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: NOVEL POLYMORPHS AND NOVEL INTERMEDIATE FOR 1-(4-METHOXYPHENYL)-7-OXO-6[4-(2-OXOPIPERIDING-1-YL)PHENYL]-4,5,6,7-TETRAHYDRO-1H-PYRAZOLO[3,4-C]PYRIDINE-3-CARBOXAMIDE

(51) International classification	:C07D487/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST)
(86) International Application No	:NA	- 502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)VENKATESH MUMMADI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel polymorphs and novel intermediate for l-(4-methoxyphenyl)-7-oxo-6-[4-(2-oxopiperidin-1-yl)phenyl]-4,5,6,7-tetrahydro-1 H-pyrazolo [3,4-c]pyridine-3-carboxamide represented by the following structural formula-1. Formula-1

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

(22) Date of filing of Application :01/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A METHOD FOR DYNAMICALLY ASSOCIATING POWER CHANNELS OF A POWER SOURCING EQUIPMENT CONTROLLER WITH DESIRED POWERED DEVICES.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H04L12/00 :NA :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY LTD.  Address of Applicant: AFFOLTERNSTRASSE 44, CH- 8050 ZURICH Switzerland
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)MRITYUNJAI TIWARI
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)SASI KUMAR 3)SUKUMARA T
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention describes a method for associating a power channel of a Power Sourcing Equipment (PSE) controller with a Powered Device (PD) connected to a port of an Intelligent Electronic Device (IED), having higher priority of power sourcing than other ports connected with powered devices. The method includes determining active ports that are ports connected with devices and then determining an order of active ports based on the pre-configured priority of the ports associated with the power channel. Further, the method includes scanning devices connected to active ports iteratively in the determined order of active ports until a powered device is determined. The method ultimately associates the power channel of the PSE controller to the determined active port connected with the first determined powered device.

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

(19) INDIA

(22) Date of filing of Application: 16/01/2013

(43) Publication Date: 13/02/2015

(21) Application No.376/CHENP/2013 A

#### (54) Title of the invention: SYSTEMS AND METHODS FOR AN EXTENSIBLE AUTHENTICATION FRAMEWORK

:WO 2012/012434

(51) International classification :H04L29/06 (31) Priority Document No :12/840932 (32) Priority Date :21/07/2010 (33) Name of priority country :U.S.A.

(86) International Application No Filing Date :19/07/2011 (87) International Publication No

(61) Patent of Addition to Application :NA :NA Filing Date

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant: 1)CITRIX SYSTEMS INC.

Address of Applicant: 851 West Cypress Creek Road Fort Lauderdale FL 33309 U.S.A.

:PCT/US2011/044545 (72)Name of Inventor : 1)RAFIO Pierre

#### (57) Abstract:

The present disclosure describes systems and methods of an authentication framework to implement varying authentication schemes in a configurable and extendable manner. This authentication framework provides a level of abstraction in which requirements for credential gathering and authentication workflow are independent from the agents or authentication implementation that does the credential gathering and authentication workflow. A higher level of abstraction and a more comprehensive authentication framework allows handling the associated authentication transactions of complex authentication schemes without requiring any specific understanding of their internals. For example the requirements to gather certain credentials for a particular authentication scheme may be configured and maintained separately from the client side authentication agent that gathers the credentials. The flexible configurable and extendable authentication framework supports a wide variety of authentication scheme and supports third party proprietary and customized authentication schemes.

No. of Pages: 164 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :17/07/2013

(21) Application No.3186/CHE/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: ENGINE CONTROL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:2012- 193002 :03/09/2012 :Japan :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-Ken, Japan (72)Name of Inventor:  1)Shingo MAEZAWA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a system, a signal output module produces pulses based on rotation of a crankshaft, and outputs a signal having the pulses. A pattern of the pulses shows at least one reference portion of the crankshaft to which the position of at least one cylinder is relative. A reference portion detector performs a reference portion detecting task that detects, based on the pulse pattern of the signal while a rotational direction of the crankshaft is a predetermined direction, the at least one reference portion of the crankshaft. A reverse rotation predicting module predicts whether rotation of the crankshaft in the predetermined direction will be reversed. A disabling module disables the reference portion detector from performing the reference portion detecting task if the reverse rotation predicting module predicts that rotation of the crankshaft in the predetermined direction will be reversed.

No. of Pages: 95 No. of Claims: 12

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: CONTEXTUAL META-CONTENT OVERLAY ON TV PROGRAMS

(51) International classification	:H04N21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMARENDRA SAHU
(32) Priority Date	:NA	Address of Applicant :QR NO, S 25, CENTRAL
(33) Name of priority country	:NA	TOWNSHIP HAL QUARTERS MARATHALLI POST,
(86) International Application No	:NA	BANGALORE 560 037 Karnataka India
Filing Date	:NA	2)JITENDRA JAGADEV
(87) International Publication No	: NA	3)KRISHNAN VARADARAJAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AMARENDRA SAHU
(62) Divisional to Application Number	:NA	2)JITENDRA JAGADEV
Filing Date	:NA	3)KRISHNAN VARADARAJAN

#### (57) Abstract:

The various embodiments of the present invention provide a method and system for displaying contextual meta-content about TV shows simultaneously with TV shows. The method comprises of preparing the contextual meta-content for the TV shows, moderating the contextual meta-content, passing the moderated meta-content to a broadcast server, multiplexing the moderated meta-content, providing the multiplexed moderated content along with a scheduling information to the media network by the broadcasting server, transmitting the meta-content along with a content management application to one of an user device or an IRD, checking for meta content entitlement by the content management application at the IRD or a set-top-box level, retrieving a channel content information including an information on the media channel, de-multiplexing the meta-content, waiting for the viewer to opt-in or configuration based opt-in to display meta content, and displaying the decoded meta-content on the TV based on a viewer entitlement for meta content.

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A METHOD OF SNAPSHOT MANAGEMENT FOR PERSISTENT DATA

(51) Intermetional alegaification	.C0(E	(71)Nome of Applicant.
(51) International classification	10001	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES INDIA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :NO. 23, LEVEL 3 & 4, LEELA
(33) Name of priority country	:NA	GALLERIA, AIRPORT ROAD, BANGALORE - 560 017
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)THEJASWI, N K
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method of snapshot management for persistent data, comprising: when a page is dirty or modified, marking (101) the page using mprotect function in memory, wherein metadata is stored in the memory, then writing (102) the marked page to a disk using mmap function and fork function. Compared to existing technology, the data that is synchronized every time to disk is smaller, thus less time is spent on synchronization of the dirty data.

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

(21) Application No.377/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :16/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DRY CLEANING HOUSING DRY CLEANING DEVICE AND DRY CLEANING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2010175687 :04/08/2010 :Japan	(71)Name of Applicant: 1)RICOH COMPANY LTD. Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku Tokyo 1438555 Japan (72)Name of Inventor: 1)FUCHIGAMI Akihiro 2)OKAMOTO Yoichi 3)TSUKAHARA Kohji
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A dry cleaning housing (10) causes a cleaning medium (PC) to be scattered by an airflow and brings the cleaning medium (PC) into contact with a cleaning object (CO) to clean the cleaning object (CO). The dry cleaning housing (10) includes an internal space where the cleaning medium (PC) is scattered; an opening (10E) configured to be brought into contact with the cleaning object (CO) to cause the cleaning medium (PC) to collide with the cleaning object (CO); a ventilation path (10F) configured to supply air from an outside to the internal space; a suction port configured to suction the air introduced into the internal space via the ventilation path (10F) to generate a rotating airflow inside the internal space; and porous unit (10C) configured to allow a substance eliminated from the cleaning object (CO) to pass through.

No. of Pages: 120 No. of Claims: 14

(21) Application No.1152/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: REAR FENDER FOR A MOTORCYCLE

(51) International classification	·B62J6/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KUMARI NISHA GUPTA
(61) Patent of Addition to Application Number	:NA	2)MEGANATHAN MOHANKUMAR
Filing Date	:NA	3)YOGESH CHANDRAKANT KOTNIS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This invention relates to a pair of mounting members (50) disposed on the rear fender (36), to aid in the direct mounting of the rear fender (36) and a tail lamp (70) to a rear frame portion (11b) of a body frame (11) of a motorcycle. The pair of mounting member(s) (50) is disposed on an upper portion (36a) of the rear fender (36) and projects perpendicularly upwards from the upper portion (36a) of the rear fender (36). Further, the pair of mounting member(s) (50) comprises a locating pip (50a) and a mounting hole (50b). The above described construction of the pair of mounting member(s) (50) aids in the direct mounting of the rear fender (36) and the tail lamp (70) by means of a single fastener, and without involving the use of an additional mounting bracket.

No. of Pages: 18 No. of Claims: 8

(21) Application No.2810/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : HYDRAULIC REGENERATIVE ENERGY STORAGE SYSTEM AND METHOD FOR PASSENGER STOCK AND FREIGHT WAGONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B60T13/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)HARIS. P.U.  Address of Applicant: CC VI/1610, A.STAR JN.  MATTANCHERY - 682 002 Kerala India  (72)Name of Inventor:
Filing Date	:NA	1)HARIS. P.U.
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hydraulic regenerative braking system for passenger stock and freight wagons is conceived and described. This invention provides a precisely controlled hydraulic regenerative braking system for a railway vehicle, which utilizes the current pneumatic control system in the locomotive to control the hydraulic energy regenerating system. The pressure from the triple valve of the rolling stocks is controlled by the loco pilot. The operation of pressure control and flow control valves in the control valve block is so that the hydraulic pump in the regenerative system generates the pressure in the hydraulic system thereby reducing the kinetic energy of the train. The torque required to pressurize the system acts as the braking torque. The pressurized fluid is stored in accumulators. This stored energy is used when the train starts and initial torque to be generated by the locomotive is minimized. All the axles are given the feed from the hydraulic pump operated by the pressurized fluid from the accumulators.

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

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : MOTION CONTROLLED INTERACTIVE ADVERTISING CONTENT DISPLAY SYSTEM AND THE METHOD THEREOF

(51) International classification	:G06Q30/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Singh Gautam
(32) Priority Date	:NA	Address of Applicant :C604, Celestial Greens Apartment,
(33) Name of priority country	:NA	Old Madras Road, Opp. RMZ Infinity, Bangalore Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Singh Gautam
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention discloses an interactive advertising system having multiple motion sensor enabled kiosks for human engagement with a secure communication data monitoring and collection tool. The invention allows for multiple brands to share the same hardware and infrastructure to run interactive motion controlled advertisements. A large network of such kiosks, all connected to a centralized server running on cloud infrastructure; administer interactive motion controlled advertisements, thereby engaging several such brands to promote via single network of systems. Each advertising module operates in either default or active mode. The advertising module runs in default mode, till such time when there is no person present within the vicinity of the advertising device, in which it can display any content required. When a person is detected in the vicinity, the module switches to an active mode presenting user options to engage with the person.

No. of Pages: 32 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :28/05/2012

(21) Application No.4659/CHENP/2012 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: PISTON RING AND PISTON DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16J9/26,F02F5/00 :2009-278526 :08/12/2009 :Japan :PCT/JP2010/071931 :07/12/2010 :WO 2011/071049 A1 :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA RIKEN Address of Applicant: 13-5, KUDANKITA 1-CHOME, CHIYODA-KU, TOKYO 102-8202 Japan (72)Name of Inventor: 1)SASAKI, HAYATO 2)ONO TAKASHI
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#### (57) Abstract:

A piston ring which can sustain a superior effect of preventing aluminum cohesion for a long time in a high output engine is provided. At least one of the upper and lower side faces of a piston ring is coated with a polyimide film having hard particles dispersed therein. Employed as the hard particles may be alumina, zirconia, silicon carbide, silicon nitride, cubic boron nitride, or diamond. The hard particles are to be 0.01 to  $5~\mu m$  in average particle diameter, and the film is  $2~to~30~\mu m$  in thickness.

No. of Pages: 31 No. of Claims: 5

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: GEAR SHIFT CONTROL SYSTEM FOR AUTOMATIC TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:2012- 196314 :06/09/2012 :Japan :NA :NA : NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan (72)Name of Inventor:  1)Shuhei KAWAMOTO 2)Satohiro YOSHIDA
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A gear shift control system for vehicles is provided which mathematically calculates a rate of deceleration of the vehicle equipped an automatic transmission upon start of deceleration of the vehicle and inhibits the automatic transmission from upshifting or changes a permissible gear shift range of the automatic transmission as a function of the rate of deceleration of the vehicle, thereby ensuring a desired degree of braking force including an engine braking force while the vehicle is decelerating.

No. of Pages: 42 No. of Claims: 6

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A SWITCHING APPARATUS TO DETECT PROXIMITY OF A HAND OF A USER

(71) I	110317	(71)NI 8A P
(51) International classification	:H03K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(86) International Application No	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SUBRAMANIAN Karthikeyan
Filing Date	:NA	2)IRUTHANYARAJ Raja
(62) Divisional to Application Number	:NA	3)SUBRAMANI Kannan
Filing Date	:NA	4)GOVINDASAMY Sampathkumar

#### (57) Abstract:

A hand held tool 20 comprises an electrical motor 17 to drive a shaft 13 of the handheld tool 20 and a trigger switch 18 adapted to provide a trigger signal to a switching apparatus 10. The trigger signal will be in a first state when the trigger switch 18 is in a first position and when the trigger signal will be in a second state when the trigger switch 18 is in a second position. The switching apparatus 10 comprising a plurality of sensors 12 can be placed on outside surface of the handheld tool 20. The switching apparatus 10 adapted to generate an actuating signal for the electric motor 18, when the trigger signal 22 is in first state and at least a predefined number of sensors 12 detect proximity of a hand of an user.

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NOVEL CRYSTALLINE FORM OF ELETRIPTAN HYDROBROMIDE MONOHYDRATE

		(71)Name of Applicant :
		1)SMS PHARMACEUTICALS LIMITED
(51) International classification	:C07D403/00	Address of Applicant :PLOT NO. 19-III, ROAD NO.71
(31) Priority Document No	:NA	OPP. BHARATIYA VIDYA BHAVAN PUBLIC SCHOOL
(32) Priority Date	:NA	JUBLIEE HILLS, HYDERABAD - 500 034 Andhra Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRINIVASA RAO VENTURI
(87) International Publication No	: NA	2)HARI PRASAD KODALI
(61) Patent of Addition to Application Number	:	3)HARIHARAKRISHNAN VENKATA
Filed on	:01/01/1900	SUBHRAMANIAN
(62) Divisional to Application Number	:NA	4)VENKATA SRIHARI TADIMALLA
Filing Date	:NA	5)RAMESH BABU POTLURI
-		6)PHANI KUMAR ANUMANCHIPALLI
		7)HARI PRASAD KOTTAPALLI

## (57) Abstract:

The present invention provides a novel crystalline form of Eletriptan hydrobromide monohydrate. The present invention also relates to a process for the preparation of novel crystalline form of Eletriptan hydrobromide monohydrate.

No. of Pages: 14 No. of Claims: 8

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: DEVICE FOR WRAPPING AND COLLECTION OF FIBROUS MATERIAL

(51) International classification	:B65B11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF SCIENCE
(32) Priority Date	:NA	Address of Applicant :INDIAN INSTITUTE OF SCIENCE
(33) Name of priority country	:NA	BANGALORE - 560 012 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DIWAKAR JOSEPH EMMANUEL
(87) International Publication No	: NA	2)DIBAKAR SEN
(61) Patent of Addition to Application Number	:NA	3)NITIN GUPTA
Filing Date	:NA	4)NIKHIL MESHRAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides a device for collection of soft material from a source, comprising a hollow housing member with receiving, storing and releasing portions for the material is connected a forearm holder and a hand gripper and a driving element. At least a rotatable and movable wrapping member connected to the driving element, to wrap up the material in rotary motions from the source and transmit the material linearly into the housing member.

No. of Pages: 28 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :29/01/2013

(21) Application No.378/CHE/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: GASKET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16B43/00 :12 51011 :03/02/2012 :France :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)CARL FREUDENBERG KG Address of Applicant: HOEHNERWEG 2-4, 69469 WEINHEIM Germany (72)Name of Inventor: 1)HUMBLOT, LUC 2)LUTAUD, DOMINIQUE
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## (57) Abstract:

The present invention relates to a seal (1) comprising, on the one hand, a support body in the form of a carrier ring (2) with an axial leg (3) and, on the other hand, a sealing washer (4) which is placed or arranged on the carrier ring (2) and which surrounds the axial leg (3) on the outer periphery, said carrier ring being made of a metallic material, which seal (1) is characterized in that the carrier ring (2) is made of a sheet of the HYS type.

No. of Pages: 28 No. of Claims: 18

(22) Date of filing of Application :21/01/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: A CINEMA STRUCTURE AND A METHOD FOR FACILITATING PROJECTING AND VIEWING A MOTION PICTURE

(51) International classification :E04H3/22,G03B21/00 (71)Name of Applicant : (31) Priority Document No :S2010/0438 (32) Priority Date :15/07/2010 (33) Name of priority country :Ireland (86) International Application No :PCT/IE2011/000037 Filing Date :15/07/2011 (87) International Publication No :WO 2012/007930

:NA

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA 1)IMAGE LIMITED

Address of Applicant: 15 19 Athol Street Douglas Isle of

man IM1 1LB Isle of Man (72)Name of Inventor: 1)ANDERSON Thomas

#### (57) Abstract:

Filing Date

A cinema structure (1) comprises an auditorium (3) having a flat planar screen (10) onto which images of a motion picture is projected by a projector (12) located adjacent a rear wall (5) of the auditorium (3). Seating (14) comprising rows (15) of seats (16) are supported on tiered plinths (18) which are tiered at an angle a of approximately 25°. A front row (15a) of the seats (16) is formed in two parts namely a left hand part (44a) and a right hand part (44b) on a front plinth (18a) which is also formed in two parts namely a left hand part (42a) and a right hand part (42b). The left and right hand parts of the front row (15a) and the front plinth (18) define central gaps (45 43 respectively) in order to accommodate the projected beam of the motion picture uninterrupted from the projector (12) to the screen (10). The rows (15) of seats (16) are pitched at a horizontal pitch (P1) of 1 300mm and each plinth (18) is at a vertical height (h of approximately 600mm above its adjacent plinth (18). The front plinth (18a) is at a height of approximately 1 200mm above a floor (8) of the auditorium (3). The screen (10) extends substantially the width of a front end wall (4) between opposite side walls (6) of the auditorium (3) and extends substantially the full height of the front end wall (4) between the floor (8) and the ceiling (9) of the auditorium (3).

No. of Pages: 39 No. of Claims: 83

(22) Date of filing of Application :27/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : CRYSTALLINE FORMS OF MARAVIROC PHOSPHATE AND PROCESS FOR MARAVIROC AMORPHOUS FORM

(51) 7	1.617701.46	(71)
(51) International classification	:A61K31/46	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :Plot No. B 80 & 81 A.P.I.E.
(33) Name of priority country	:NA	Balanagar Hyderabad Andhrapradesh 500 018 Andhra Pradesh
(86) International Application No	:PCT/IN2010/000574	India
Filing Date	:30/08/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2012/029067	1)PARTHASARADHI REDDY Bandi
(61) Patent of Addition to Application	:NA	2)RATHNAKAR REDDY Kura
Number	*	3)MURALIDHARA REDDY Dasari
Filing Date	:NA	4)RAJI REDDY Rapolu
(62) Divisional to Application Number	:NA	5)SUBASH CHANDER REDDY Kesireddy
Filing Date	:NA	6)VAMSI KRISHNA Bandi

## (57) Abstract:

The present invention provides novel crystalline forms of maraviroc phosphate processes for their preparation and pharmaceutical compositions comprising them. The present invention also provides novel process for the preparation of maraviroc amorphous form and pharmaceutical composition comprising it.

No. of Pages: 36 No. of Claims: 47

(22) Date of filing of Application :22/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : OPTICAL COHERENCE TOMOGRAPHIC APPARATUS AND CONTROL METHOD FOR OPTICAL COHERENCE TOMOGRAPHIC APPARATUS

(86) International Application No :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:Japan :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)CANON KABUSHIKI KAISHA Address of Applicant: 30-2, SHIMOMARUKO 3-CHOME, OHTA-KU, TOKYO Japan (72)Name of Inventor: 1)UCHIDA, HIROKI
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#### (57) Abstract:

An optical coherence tomographic apparatus comprising: an image obtaining unit configured to obtain a plurality of images of an eye to be examined at different times; a tomographic image obtaining unit configured to obtain a plurality of tomographic images of the eye based on interfering light obtained by interference between return light from the eye irradiated with measurement light through a scanning unit and reference light corresponding to the measurement light; a unit configured to perform tracking of the eye by the scanning unit based on the plurality of images; and a control unit configured to control an operation of the unit which performs the tracking to correct a scan position in an interval between one scan and a next scan by the scanning unit.

No. of Pages: 60 No. of Claims: 16

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR UTILIZING ADVERTISEMENTS TO PROVIDE INFORMATION REGARDING CONNECTION SETUP

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:13/591740 :22/08/2012	(71)Name of Applicant:  1)NOKIA CORPORATION  Address of Applicant: Keilalahdentie 4, FIN-02150 Espoo,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :NA	Finland (72)Name of Inventor:
Filing Date	:NA	1)Jukka Pekka Reunamki
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)Arto Tapio Palin
Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method, apparatus and computer program product are provided for reducing the time required for connection setup including, but not limited to, the time required for connection setup for devices discovered utilizing a low energy technology. In the context of a method performed by a slave device to be discovered, an advertisement may be generated including an indication of a capability to perform a predefined type of connection setup for initiating wireless communications. The method also causes the advertisement to be transmitted and receives a response to the advertisement from another device including one or more parameters relating to the predefined type of connection setup. The method also supports the connection setup with the another device in accordance with the one or more parameters. Corresponding apparatus and computer program products as employed by both master and slave devices are also provided.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PORTABLE WATER PURIFIER FOR POINT SOURCE WATER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B01D53/00 :NA :NA	(71)Name of Applicant:  1)VAISHAK BASAVRAJ ARALI Address of Applicant:#42, SIDDESHWAR PARK,
(33) Name of priority country	:NA	VIDHYANAGAR, HUBLI - 580 031 Karnataka India
(86) International Application No Filing Date	:NA :NA	2)TUSHAR JOSHI (72)Name of Inventor :
(87) International Publication No	: NA	1)VAISHAK BASAVRAJ ARALI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)TUSHAR JOSHI
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A novel method to purify the water. The instrument used in this process contains an herb, granulated charcoal and filters. Finally, the water is purified through the novel method and an instrument is used to get the portable purified water and thereby achieve an enhanced water purifier that is capable of removing toxicating chemicals such as chlorine, nitrogen, iron etc. The water purifier will be useful in a wide range of applications using no electricity.

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

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: THERMAL GENERATOR CONTAINING MAGNETOCALORIC MATERIAL

(51) International classification	:F25B21/00	(71)Name of Applicant:
(31) Priority Document No	:12/852,671	1)COOLTECH APPLICATIONS
(32) Priority Date	:09/08/2010	Address of Applicant :S.A.S. Impasse Antoine Imbs F 67810
(33) Name of priority country	:U.S.A.	Holtzheim France
(86) International Application No	:PCT/FR2011/000454	(72)Name of Inventor:
Filing Date	:03/08/2011	1)HEITZLER Jean Claude
(87) International Publication No	:WO 2012/020183	2)MULLER Christian
	A1	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a thermal generator (100) with at least one thermal module (110) comprising at least two magnetocaloric elements (111 112). The thermal generator (100) is characterized in that it comprises at least two magnetic assemblies (131 132) each subjecting at least one magnetocaloric element (111 112) of said thermal module (110) to an alternation of magnetic phases and in that it comprises a means for insulating the magnetic assemblies (131 132) from one another forming thermally insulated cells (141 142) comprising a magnetic assembly (131 132) and the associated magnetocaloric elements (111 112) thereof.

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

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NATURALLY ASPIRATED COMMON RAIL DIESEL ENGINE MEETING ULTRA LOW PM EMISSION BY PASSIVE EXHAUST AFTER TREATMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02M25/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Mahindra & Mahindra Ltd. Address of Applicant: Mahindra World City Plot No.41/1, Anjur PO Chengalpattu - 603 204 Kanchipuram Dist, Tamilnadu Tamil Nadu India (72)Name of Inventor: 1)VELUSAMY R 2)DIPANKAR RAY 3)BHOSALE SADANAND 4)HIRANANDANI PRAVESH 5)RANE SANTOSH 6)SURESH R 7)DALVI ATMARAM 8)DEEPAK S
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## (57) Abstract:

A system (100) for controlling emissions of exhaust gases in said naturally aspirated engine is disclosed. The system includes an open loop exhaust gas recirculation flow. The system (100) further includes a catalyst (102) mounted at exhaust manifold (106) of the engine. Furthermore the system (100) includes an exhaust gas mixing tube inserted into intake elbow (104) (mixing tube). The system (100) further includes an exhaust gas recirculation valve (110) mounted on cold side of EGR cooler. Furthermore, the system (100) includes an electronic control unit to control exhaust gas recirculation valve (110) along with various other engine calibration parameters.

No. of Pages: 22 No. of Claims: 6

(21) Application No.3416/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ELECTRONIC DRUGS HOLDER BOX

(51) International classification	-	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Anil kumar Roy
(32) Priority Date	:NA	Address of Applicant :RAINBOW VISTAS APARTMENT
(33) Name of priority country		(CYBERCITY BUILDERS), FLAT # D1406 GREEN HILLS
(86) International Application No	:NA	ROAD, NEAR HI-TEC MMTS, ON IDL ROAD TO
Filing Date	:NA	MOOSAPET, KPHB, HYDERABAD 500072, ANDHRA
(87) International Publication No	: NA	PRADESH, INDIA Andhra Pradesh India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Shweta Roy
(62) Divisional to Application Number	:NA	2)Anil Roy
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a cost effective, light weight device that can be used for holding medication drug strips enabled with electronic alert system and device to transfer the compliance data for real-time tracking. The device tracks change in weight of strip on daily basis to ensure drug compliance and inventory. Non compliance will trigger alert to the care giver and patient as reminder to take the medication.

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

(19) INDIA

(22) Date of filing of Application :01/05/2013

(21) Application No.3417/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: CIRCUIT BREAKER

(51) International classification	:H01H71/10	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Mitsubishi Electric Corporation
(32) Priority Date	:NA	Address of Applicant :7 3 Marunouchi 2 chome Chiyoda ku
(33) Name of priority country	:NA	Tokyo 1008310 Japan
(86) International Application No	:PCT/JP2010/072661	(72)Name of Inventor:
Filing Date	:16/12/2010	1)HIGAKI Junichi
(87) International Publication No	:WO 2012/081105	2)WATANABE Kazumasa
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract:

To obtain a compact high performance circuit breaker in which the force of the opening/closing mechanism is transmitted with high efficiency. [Solution] The circuit breaker according to the present invention comprises a link rotor for engaging a roller provided to a shaft of a rotor for holding a movable contact. When the link rotor rotates concurrently with the motion of a second link the roller is pushed while being rotated by the engaging part and the rotor is rotated through the intermediary of the shaft whereby the movable contact is rotated and a movable contact point fixed to the movable contact is moved into contact with to or away from a fixed contact point.

No. of Pages: 36 No. of Claims: 4

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM OF ROUTING AND HANDOVER OF SECURE COMMUNICATION WITHOUT KNOWLEDGE OF PRIVATE/SECRET KEY

(51) International classification	:H04L29/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CIPHERGRAPH NETWORKS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :ELAGAAN BIZTECH LABS, 1ST
(33) Name of priority country	:NA	FLOOR 19, KNGOVINDA REDDY LAYOUT, AREKERE
(86) International Application No	:NA	MICO LAYOUT, BANNERGHATTA ROAD, BANGALORE -
Filing Date	:NA	560076 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAGURAMAN, ARUN
Filing Date	:NA	2)SHARAN, JITENDER
(62) Divisional to Application Number	:NA	3)SHRIVASTAVA, ABHISHEK KUMAR
Filing Date	:NA	

#### (57) Abstract:

A method and system to securely connect with a Web server via a Security server over a communication network between a browser and the Web server is disclosed. The method comprises the Security server acting as SSL session negotiator and receives a request to connect with the Web server from the browser. Further, the Security server negotiates a secure session with the Web server based on the request received; and thus hands over the secure session to the Web server through an independent secure back-end channel. Once the hand shake is completed a secure connection between the browser and the Web server is established through the secure session. This protects the Web server from the risk of being exposed and losing the private key to hackers, thus compromising the data security as well as content to unauthorized users impersonating as genuine users.

No. of Pages: 18 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :13/06/2012 (43) Publication Date : 13/02/2015

(54) Title of the invention: IMPROVEMENTS IN OR RELATING TO VEHICLES

(51) International classification :B60K11/04,B60K11/08

(31) Priority Document No :0922094.8 (32) Priority Date :17/12/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2010/002289

Filing Date :17/12/2010

(87) International Publication No :WO 2011/073625 A1

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:B60K11/04,B60K11/08 (71)Name of Applicant :

1)GORDON MURRAY DESIGN LIMITED

(21) Application No.5163/CHENP/2012 A

Address of Applicant :WHARFSIDE, BROADFORD PARK, SHALFORDM SURREY, GU4 8EP U.K.

(72)Name of Inventor:

1)MURRAY, IAN, GORDON

#### (57) Abstract:

A vehicle comprises front and rear wheels, a passenger cell, and an engine, wherein the engine is located entirely aft of the foremost extent of the passenger cell, the engine having a cooling circuit, further comprising a radiator that is in fluid communication with the cooling circuit, the radiator being located aft of the front wheel centres and in front of the engine, and in an airflow path that extends from an underside of the vehicle to an exit on a rear face of the vehicle, wherein the airflow path is ducted at least hi a portion around the radiator. This arrangement succeeds in placing the radiator close to the engine, thereby avoiding long conduit paths and their associated weight The ducting causes a region of high pressure on the face of the radiator, and the exit on the rear face of the vehicle opens into the low pressure region behind the vehicle, so that air is drawn along the flow path, through the radiator

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

(22) Date of filing of Application :09/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: TIMING SYNCHRONIZATION IN A WIRELESS COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG R&D INSTITUTE INDIA BANGALORE PRIVATE LIMITED  Address of Applicant: # 2870, ORION Building, Bagmane Constellation Business Park, Outer Ring Road, Doddanakundi Circle, Marathahalli Post, Bangalore-560 037 Karnataka India (72)Name of Inventor:  1)i) NAIR, Jinesh Parameshwaran 2)BYNAM, Kiran 3)iii) DWARAKANATH, Pradeep 4)HONG, Young-Jun 5)CHOUDHARY, Manoj
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#### (57) Abstract:

Timing synchronization in a wireless communication system is disclosed. In one embodiment, a transmitter generates and transmits data packet including a preamble signal, a start frame delimiter, and data payload. The preamble signal includes one or more blocks of synchronization sequence with a first shift between the blocks of synchronization sequences. Each block of synchronization sequence includes repetitive basic sequences with a second shift between the basic sequences. Further, each basic sequence contains period(s). A receiver detects presence of the data packet in the air based on an incoming baseband signal. Once the data packet is detected, the receiver determines start of the preamble signal and synchronizes peak of each pulse of the preamble signal with sensitivity region of the receiver by shifting a quench waveform having an over quenching rate equal to 1 with respect to the start of the preamble.

No. of Pages: 40 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention: ENCAPSULANT FOR A PHOTOVOLTAIC MODULE

(51) International classification :C08G 81/02 ,H01L31/00,H01L31/048

(31) Priority Document No :1061150 (32) Priority Date :23/12/2010

(33) Name of priority country :France

(86) International Application No :PCT/FR2011/052674

Filing Date :17/11/2011

(87) International Publication No :WO 2012/085369

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date

:NA

(71)Name of Applicant: 1)ARKEMA FRANCE

(21) Application No.4406/CHENP/2013 A

Address of Applicant :420 Rue dEstienne dOrves F 92700

Colombes France

(72)Name of Inventor:

1)BIZET Stphane

2)DEVISME Samuel

3)FINE Thomas

4)JOUSSET Dominique

#### (57) Abstract:

The present invention relates to an encapsulant for a photovoltaic module intended to coat a photovoltaic cell comprising at least two adjacent thermoplastic layers forming a core skin assembly characterized in that: the skin layer consists of a polyamide grafted polymer comprising a polyolefin backbone representing from 50% to 95% by weight of the polyamide grafted polymer containing a residue of at least one unsaturated monomer (X) and at least one polyamide graft representing from 5% to 50% by weight of said polyamide grafted polymer the core layer consists of a polyethylene chosen from a homopolymer of ethylene or a copolymer comprising at least 50 mol% of ethylene and one or more comonomers. The invention also relates to a photovoltaic module incorporating such an encapsulant.

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

(22) Date of filing of Application :28/05/2012 (43) Publication Date : 13/02/2015

### (54) Title of the invention: A TAILGATE FROM FIBRE-REINFORCED THERMOPLASTIC PLASTIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B60J5/10 :1811/09 :25/11/2009 :Switzerland :PCT/CH2010/000293 :22/11/2010 :WO 2011/063538 A1	(71)Name of Applicant:  1)WEBER AUTOMOTIVE AG-HOLDING Address of Applicant: FAHNLIBRUNNENSTRASSE 3, 8700 KUSNACHT Switzerland (72)Name of Inventor: 1)GACHTER, MATTHIAS 2)JAGGI, DIEGO
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA :NA	3)RUEGG, ANDREAS 4)ZIEGLER, STEFAN 5)STOTZNER, NORBERT

#### (57) Abstract:

The tailgate (1) or rear door for a motor vehicle with a rear window comprises a single-piece main carrying structure (10) with a peripheral, flexurally resistant frame (11), with an upper transverse beam (12), two lateral longitudinal beams (13, 14) and at least one lower transverse beam (15). The main carrying structure consists of a fibre-reinforced moulding compound (20) with at least two impregnated, integrated continuous-fibre bands (21) and this moulding compound is non-positively connected to the rear window (2) and together with this forms a flexurally resistant structure. Thereby, the continuous-fibre bands (21) in sections are integrated into the frame (11) in an arrangement vertical (v) to the surface (H) of the tailgate, by way of the continuous-fibre bands (21) being arranged vertically to the surface (H) and/or at a vertical distance (d) to the surface (H). The continuous-fibre bands are connected to one another by way of spatial shapings of the fibre-reinforced moulding compound (20) as force-transmitting and stiffening connection regions (22), and the frame (11) comprises bead-like (24) stiffenings of the moulding compound (20). With this, a tailgate is created which has a reduced weight, improved mechanical characteristics and a simplified manufacture.

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

(19) INDIA

(22) Date of filing of Application :02/07/2013

(21) Application No.5188/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: EXSUFFLATION SYNCHRONIZATION

(51) International classification :A61M16/00,A (31) Priority Document No :61/422244 (32) Priority Date :13/12/2010

(33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

Section 1.

PCT/IB2011/055414

:01/12/2011

(87) International Publication No :WO 2012/080892

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number :NA
Filing Date
:NA

:A61M16/00,A61H23/00 (71)Name of Applicant :

1)KONINKLIJKE PHILIPS ELECTRONICS N.V.

Address of Applicant :High Tech Campus 5 NL 5656 AE

Eindhoven Netherlands (72)Name of Inventor: 1)GAUSSA William

2)BRAND Maarten Leonardus Christian

3)HILL Peter

#### (57) Abstract:

Systems and methods for synchronizing machine induced expiratory airflow of a subject with user induced expiratory airflow include an indicator time at which a user should initiate treatment to aid airway clearance of the subject. Such treatment may include compressing the stomach area of the subject. At the indicator time a user responds to an indication e.g. an audible sound by initiating treatment in accordance with a therapeutic regimen.

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

(21) Application No.4141/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :29/05/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : MOBILE COMMUNICATION METHOD, GATEWAY DEVICE MOBILE MANAGEMENT NODE AND CALL SESSION CONTROL SERVER DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W8/30 :2010-270918 :03/12/2010 :Japan :PCT/JP2011/077484 :29/11/2011 :WO 2012 073937 A1 :NA :NA :NA	(71)Name of Applicant:  1)NCE CORPORATION Address of Applicant: 7-1 SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8001 Japan (72)Name of Inventor: 1)NISHIDA, KATSUTOSHI 2)TAMURA, TOSHIYUKI
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## (57) Abstract:

A mobile communication method according to the present invention includes a step A of re-establishing, by IMS (P-CSCF), association among a PDN connection, a PCC connection #1 and a PCC connection #2 in case of detecting a specified event after detecting a failure in PCRF.

No. of Pages: 33 No. of Claims: 3

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: REMOVABLE PRESSURE SENSITIVE ADHESIVE SHEET FOR PROTECTING COATING FILM

(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date Filing Date (62) Divisional to Application Number Filing Date (63) FUJINAGA Soichiro 4) HAYAKAWA Fumio	classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:26/07/2011 :WO 2012/014878 A1 :NA :NA	3)FUJINAGA Soichiro
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#### (57) Abstract:

A removable pressure sensitive adhesive sheet for protecting a coating film said removable pressure sensitive adhesive sheet comprising a base sheet and a pressure sensitive adhesive layer provided on the base sheet characterized in that the pressure sensitive adhesive layer is formed of an emulsion pressure sensitive adhesive composition containing as the main component an emulsion of an ethylene vinyl carboxylate based copolymer. The present invention provides a removable pressure sensitive adhesive sheet for protecting a coating film which never causes swelling white dullness or adhesive deposit even in the case of adhering to a coating film face wherein a small amount of a solvent remains due to insufficient drying or curing proceeds only insufficiently after drying and then removing.

No. of Pages: 27 No. of Claims: 6

(22) Date of filing of Application :29/11/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR PROVIDING YAW BACKUP TO A WIND FARM

(51) International classification	:F03D7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW WORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BURRA, RAJNI KANT
(87) International Publication No	: NA	2)GANIREDDY, GOVARDHAN
(61) Patent of Addition to Application Number	:NA	3)ABATE, VICTOR ROBERT
Filing Date	:NA	4)LONGTIN, KEITH ANDREW
(62) Divisional to Application Number	:NA	5)WIEGMAN, HERMAN LUCAS NORBERT
Filing Date	:NA	6)DELMERICO, ROBERT WILLIAM

## (57) Abstract:

A yaw backup system is provided. The yaw backup system includes an energy storage medium for storing auxiliary power. The yaw backup system also includes a yaw controller for coordinating delivery of power from the energy storage medium to a yaw motor for controlling a yaw angle of a wind turbine during grid loss conditions. The yaw controller executes the steps of receiving wind direction signals over time from a sensor, altering a tolerance level of a wind turbine based on changes in the wind direction signals over time and controlling delivery of power to the yaw motor from the auxiliary power of the energy storage medium based on the tolerance level to control the yaw angle for reducing a load on the wind turbine induced by wind.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 13/02/2015

:NA

:NA

## (54) Title of the invention: HEALTHCARE PREPAID PAYMENT PLATFORM APPARATUSES METHODS AND SYSTEMS

(51) International classification :G06Q50/00 (71)Name of Applicant: (31) Priority Document No 1) VISA INTERNATIONAL SERVICE ASSOCIATION :132/CHE/2011 (32) Priority Date Address of Applicant :900 Metro Center Blvd. Foster City :14/01/2011 (33) Name of priority country California 94404 2172 U.S.A. :India :PCT/US2012/021333 (72)Name of Inventor : (86) International Application No 1)MAHADKAR Shilpak Filing Date :13/01/2012 (87) International Publication No :WO 2012/097310 2)SEADATH Aleema (61) Patent of Addition to Application 3)RANGARAJAN Madhu :NA Number 4)NAYAK Uttam :NA Filing Date

#### (57) Abstract:

Filing Date

The healthcare prepaid payment platform apparatuses methods and systems (hereinafter HPP Platform) transforms patient insurance information and healthcare procedure schedule information inputs via HPP Platform components into medical claim settlement outputs. In one embodiment a method is disclosed comprising: obtaining a healthcare insurance pre authorization request including healthcare procedure schedule information and user insurance information; receiving an indication of insurance approval of an insured amount from an insurance provider; loading an insurance approved amount into a prepaid account of the user prior to the healthcare procedure; receiving a payment request using the loaded prepaid account towards a medical bill after the healthcare procedure is performed; transferring the loaded insurance approved amount in the prepaid account to a healthcare provider in response to the payment request; and generating a transaction record including the pre approved amount and the transferred amount.

No. of Pages: 150 No. of Claims: 64

(62) Divisional to Application Number

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: A SYSTEM AND METHOD FOR BOOT ACCELERATION OF A COMPUTER SYSTEM

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt. Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No.
(33) Name of priority country	:NA	66/1, Bagmane Tech Park, CV Raman NagarByrasandra,
(86) International Application No	:NA	Bangalore Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Surapuram Dilip
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system and method to reduce the boot time of a computer system by informing a memory device to send the data prior to the boot time is disclosed. The computer system comprises a host processor, host memory and the memory device. The host processor informs about the fixed data, physical address and fixed order in which data has to be transferred to host processor. The memory device is configured by a host system with Read Commands with physical address of host memory, which is being sent at boot time in advance. This configuration can be done at the time of system integration or before every boot. Once the system power-on the memory device sends the data-in packets to the host memory. Whenever host processor needs data it will be available in host memory which significantly reduces the boot time.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NEW METHOD FOR SAGO/STARCH/STARCH WATER PROCESSING TECHNOLOGY IN WET PROCESSESS

(51) International classification	:A23L1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATARAJAN RAYAR
(32) Priority Date	:NA	Address of Applicant :IRUMBULIKURICHI POST,
(33) Name of priority country	:NA	SENDURAI TALUK, ARIYALUR - DISTRICT - 621 804
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)NATARAJAN RAYAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The developed system can perform in extraction of starch from starch food like tapioca and potato with using of minimum input water for starch washing. The system has 100% pollution free operation and 2/3 power saving equipment compare with the existing plants. The process as follows, The tubers are feed in ETP Plant [11] bed, here the washing process start[12], then tubers are carried by screw conveyer to skin removing zone, here cutting the outer layer(skin) of tuber . by rollers[e] in the peeling machine[13]. The peeled tubers are conveyed [14] to the Grinding Machine [15]. Uncut peeled tubers are entered into the entry portion [1] of Grinding Machine, then its getting a grinding, which convert into slurry form [16]. The slurry [16] flows to the roller presses [17]; here the milk [22] and bulb [21] are separated. The milk is feed into shacking kettle [18] for grade separation, and its allow for sedimentation process, starch and starch water [23] are separated.

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

(19) INDIA

(22) Date of filing of Application :31/01/2013

(21) Application No.425/CHE/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: MOTORCYCLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:Japan :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant: 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan (72)Name of Inventor:  1)NAKATA, MASATO 2)TAKENAKA, HIROSHI
	-	` '
(86) International Application No	:NA	1)NAKATA, MASATO
Filing Date	:NA	2)TAKENAKA, HIROSHI
(87) International Publication No	: NA	3)SUZUKI, YOSHIHIKO
(61) Patent of Addition to Application Number	:NA	4)YAHASHI, MOTOYUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a technique that disperses a load input to a joint portion between a pivot frame and a main frame and gives an appropriate flexure to a vehicle body frame. [Solving Means] A motorcycle includes a main frame 2 5 extending rearwardly along a vehicle from a head pipe and a pivot frame 3 5 joined to the main frame 25, the pivot frame 3 5 for swingably supporting a rear arm 30. In the motorcycle, the main frame 25 is a mono frame having a circular cross section and extending rearwardly of the pivot frame 35 along the vehicle; and the pivot frame 35 includes a T-shaped portion 90 that assumes substantially a T-shape in a vehicle side view and the T-shaped portion 90 has an upper portion welded to the main frame 25 along a longitudinal axial direction thereof.

No. of Pages: 55 No. of Claims: 5

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SEALING MEANS FOR THE SEALING OF AN INTRODUCTION FACILITY FOR A MEDICAL INSTRUMENT

(51) International classification	:A61F	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)KARL STORZ GMBH & CO. KG
	088 337.1	Address of Applicant :MITTELSTRASSE 8, D-78532
(32) Priority Date	:13/12/2011	TUTTLINGEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)JOSE RAMON ALONSO
Filing Date	:NA	2)UWE BACHER
(87) International Publication No	: NA	3)MARTIN OBERLANDER
(61) Patent of Addition to Application Number	:NA	4)MICHAEL SAUER
Filing Date	:NA	5)SEBASTIAN WAGNER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A sealing means (30) for sealing an introduction facility for a medical instrument comprises a first sealing membrane (41) of an elastic material with a first slit (42) and a second sealing membrane (51) of an elastic material with a second slit (52). The first sealing membrane (41) and the second sealing membrane (51) abut laminarily on each other. The first sealing membrane (41) and the second sealing membrane (51) are arranged such that the first slit (42) and the second slit (52) are not parallel with each other. Each of the first slit (42) and the second slit (52) is unbranched.

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

(22) Date of filing of Application :09/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention: NOVEL POLYMORPHS OF AZILSARTAN

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number SNA Filing Date (63) Priority Date SNA	(71)Name of Applicant:  1)HETERO RESEARCH FOUNDATION Address of Applicant: HETERO DRUGS LIMITED, HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES, SANATH NAGAR, HYDERABAD - 500 018 Andhra Pradesh India (72)Name of Inventor: 1)PARTHASARADHI REDDY, BANDI 2)RATHNAKAR REDDY, KURA 3)MURALIDHARA REDDY, DASARI 4)RAMAKRISHNA REDDY, MATTA 5)VAMSI KRISHNA, BANDI
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## (57) Abstract:

The present invention provides a novel crystalline Form of azilsartan acid, process for its preparation and pharmaceutical compositions comprising it. The present invention also provides a novel crystalline Form of azilsartan medoxomil potassium, process for its preparation and pharmaceutical compositions comprising it.

No. of Pages: 18 No. of Claims: 14

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ONLINE, REAL-TIME, AUTOMATED MILKING BASED MEASUREMENT SYSTEM

(51) International classification	·G01N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Stellapps Technologies Private Limited
(32) Priority Date	:NA	Address of Applicant :#645, 1st Floor, 1st Cross, 1st Main,
(33) Name of priority country	:NA	Indiranagar 1st Stage, Off 100 feet Road, Near Binnamangala
(86) International Application No	:NA	Bangalore 5600 38 India Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Mukundan Ranjith
(61) Patent of Addition to Application Number	:NA	2)Adukuri Ramakrishna
Filing Date	:NA	3)Nale Praveen
(62) Divisional to Application Number	:NA	4)Seshasayee Venkatesh
Filing Date	:NA	5)Shiroor Ravishankar G

## (57) Abstract:

The present invention provides an online, real-time, automated milking based measurement system that monitors, controls and analyzes the milking station using a mobile computing device over the Internet/Mobile Network or by using any Internet connected computing device. Proactive analytics in the system enables the timely notifications to be communicated to the farmer over the mobile device using SMS, Data channel (e.g., GPRS) and the like. Mobile and cloud enablement in the system allows for the farms or animals to be controlled, monitored and analyzed remotely. The present invention can be used to serve small herd segment of the market with attractive price points and viable business models, using the cloud environment and mobile computing device

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : AUTOMATIC RECOMMENDATION OF CONTEXTUALLY RELEVANT CONTENT FOR BROWSER

(51) International classification	:G08G1	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt. Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No.
(33) Name of priority country	:NA	66/1, Bagmane Tech Park, CV Raman Nagar, Byrasandra,
(86) International Application No	:NA	Bangalore Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sailesh Kumar Sathish
(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 improving the online experience of a user, and more particularly to improving the online experience of the user by providing recommendations to the user. The principal object of the embodiments herein is to look for patterns within current browsed content of a user, identify sets of context under which those patterns would become active in future, mine exact content that caters for those patterns, and provide those content recommendations at the appropriate time to the user. FIG. 1

No. of Pages: 38 No. of Claims: 27

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR TEST OUTPUT EVALUATION OF A JAVA COMPONENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G06F :NA :NA :NA :NA	(71)Name of Applicant: 1)INFOSYS LIMITED Address of Applicant :IP CELL, PLOT NO.44, ELECTRONIC CITY, HOSUR ROAD, BANGALORE - 560 100 Tamil Nadu India (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)DR. RAKESH SHUKLA 2)SHRUTI BANSAL
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A method and a system for test output evaluation of a JAVA component. The Java component and reference classes are received and non-private members of the Java component are identified using JAVA reflection API and the reference classes. An API structure comprising public members is extracted from the non-private members. Behavior checking expressions are received and selected corresponding to the public members. A Java source code comprising wrapper methods wherein the wrapper method corresponds to the one or more public members and a test output evaluation method comprising the behavior checking expressions is generated. The test output evaluation of the JAVA component is performed using the test output evaluation method over the generated Java source code.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application:19/12/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR GENERATING AUGMENTED REALITY WITH A DISPLAY OF A MOTOR VEHICLE

(51) International classification	:G06T19/00	(71)Name of Applicant:
(31) Priority Document No	:EP 11 010	1)HARMAN BECKER AUTOMOTIVE SYSTEMS
•	066.6	GMBH
(32) Priority Date	:21/12/2011	Address of Applicant :BECKER-GORING-SPRABE 16,
(33) Name of priority country	:EPO	76307 KARLSBAD Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TOBIAS MUNCH
(87) International Publication No	: NA	2)PHILIPP SCHMAUDERER
(61) Patent of Addition to Application Number	:NA	3)CHRISTOPH BENZ
Filing Date	:NA	4)ANDREAS KORNER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for generating augmented reality with a display of a motor vehicle, comprising the steps: recording an image of the environment of the motor vehicle in the form of image data (11); determining a virtual space (31) in three dimensions from the image data (11); detecting a real object (24, 25, 26, 27, 28) in the image data (11); determining a first coordinate range of the real object (24, 25, 26, 27, 28) in the three dimensional virtual space (31); adding a virtual element (52, 53, 54) to the three dimensional virtual space (31), the virtual element (52, 53, 54) having a second coordinate range; controlling the virtual element (52, 53, 54) in the three dimensional virtual space (31) based on a user input (50); outputting the environment and the controlled virtual element (52, 53, 54) in combined form in an output image (61, 62a, 62b); modifying the output image (61, 62a, 62b) when the first coordinate range of the real object (24, 25, 26, 27, 28) and the second coordinate range of the controlled virtual element (52, 53, 54) form an intersection area; outputting the output image (61, 62a, 62b) by means of the display (71, 240) of the motor vehicle.

No. of Pages: 18 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application: 10/08/2013

(43) Publication Date: 13/02/2015

(21) Application No.3566/CHE/2013 A

# (54) Title of the invention: EASILY MOUNTABLE STREET LIGHT ASSEMBLY

(51) International classification	:F21S8	(71)Name of Applicant:
(31) Priority Document No	:NA	1)FOLEY INNOVATIONS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :202, Yolee Building, No 14, (Old No
(33) Name of priority country	:NA	4), Pottery Road / Cookson Road, Richards Town, Bangalore-
(86) International Application No	:NA	560005, Karnataka, India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Vivek Francis Naik
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A street light assembly is provided. The street light assembly includes (i) a pole that includes a top end having a top plate with a slot, and a support plate, (ii) a housing that includes a hollow portion to accommodate the top end of the pole, (iii) a bolt that is clamped through an aperture at the hollow portion and the slot to fix the housing with the pole, and (iv) an arm that holds a lighting fixture. The aperture is aligned with the slot at the pole. The housing further includes an elongated portion at a side of the hollow portion. The arm includes a first end having a protrusion that is placed in between the elongated portion and the support plate. The protrusion is fixed between the elongated portion and the support plate when the bolt is clamped.

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

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AN ADVANCED DIFFERENTIATION METHOD FOR AIR-TARGETS DIFFERENTIATION BASED ON FLIGHT PLAN CORRELATION TECHNIQUES BY USE OF KALMAN-CHISQUARE (KC) METHOD

(24)	2012	
(51) International classification	:G01S	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M/S. BHARAT ELECTRONIC LIMITED
(32) Priority Date	:NA	Address of Applicant :NAGAVARA, OUTER RING
(33) Name of priority country	:NA	ROAD, BANGALORE - 560 045 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ASHISH SRIVASTAVA
(87) International Publication No	: NA	2)SWATI KALA
(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 illustrates an advanced method of flight plan track correlation developed by the use of Kalman-Chisquare method to differentiation method for air-targets based on the flight plan correlation techniques. The method takes care of aircraft kinematics for different kinds of aircrafts and requires minimum inputs from the user. It requires offline analysis for each different kind of aircraft. Here a track Tl 13 is correlated with given flight plan by comparing the estimated position of target 12 with actual position of target 11 and the tracks are said to be correlated when the position of Tl 13 falls within the tolerance limits of 12.

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

(21) Application No.443/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/01/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ENHANCEMENT METHODS FOR SAMPLED AND MULTIPLEXED IMAGE AND VIDEO **DATA**

(51) International :H04N7/26,H04N13/00,G06T3/40

classification :61/365743 (31) Priority Document No (32) Priority Date :19/07/2010

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/044556

No :19/07/2011

Filing Date

(87) International Publication :WO 2012/012444

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)DOLBY LABORATORIES LICENSING

**CORPORATION** 

Address of Applicant: 100 Potrero Avenue San Francisco

California 94103 4813 U.S.A.

(72)Name of Inventor:

1)LEONTARIS Athanasios

2)TOURAPIS Alexandros 3)PAHALAWATTA Peshala V.

#### (57) Abstract:

Enhancement methods for sampled and multiplexed image and video data are described. Each component picture is separately processed either after de multiplexing or on the fly. Processing and de multiplexing can be combined in a single joint step. The methods apply to both encoding and decoding system and include applications to scalable video coding systems.

No. of Pages: 91 No. of Claims: 17

(21) Application No.5233/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 13/02/2015

(54) Title of the invention: NOVEL PROCESS FOR THE PREPARATION OF 5-CHLOREO-N-({5S})-2-OXO-3-[4-3OXO-4-MORPHOLINYL) PHENYL]-1,3-OXAZOLIDIN-5-YL}METHYL)-2-THIOPHENECARBOXAMIDE

(51) I	G07D3 (3 /00	
(51) International classification	:C07D263/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST)
(86) International Application No	:NA	- 502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVAS THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)MARAM REDDY SAHADEVA REDDY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

<sup>(57)</sup> Abstract:

The present invention relates to novel process for the preparation of 5-chloro-N-({(5S)-2-oxo-3-[4-(3-oxo-4-moipholinyl)phenyl]-1,3-oxazolidin-5-yl}methyl)-2-thiophenecarboxamide represented by the following structural formula-1. o Formula-1

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

(22) Date of filing of Application :05/07/2013 (43) Publication Date: 13/02/2015

### (54) Title of the invention: SHEET SEPARATING DEVICE FIXING DEVICE AND IMAGE FORMING APPARATUS

(51) International classification :G03G15/20,B65H29/56 (71)Name of Applicant :

(31) Priority Document No :2011057925 (32) Priority Date :16/03/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/056798 Filing Date :12/03/2012

(87) International Publication No :WO 2012/124797

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)RICOH COMPANY LIMITED

Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku

Tokyo 1438555 Japan (72) Name of Inventor: 1)YAMAMOTO Takeshi 2)HIROSE Fumihiro 3)SETO Takashi

(57) Abstract:

In an embodiment a sheet separating device is attached to a fixing device. The fixing device includes: a fixing member that is a rotary body having a heating unit; and a pressing member that is pressed against and is brought into contact with the fixing member. Te fixing device conveys a sheet material that carries unfixed toner thereon through a nip section formed by the fixing member and the pressing member so as to fix the unfixed toner image to the sheet material. The sheet separating device includes: at least one nozzle member that discharges compressed gas from the direction of a nip outlet toward the nip section along the fixing member. The nozzle member is rotatably supported by a shaft member that is provided parallel to the fixing member and includes a gas flow passage through which compressed gas is supplied to the nozzle member.

No. of Pages: 29 No. of Claims: 9

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : COMPACT WEARABLE AND FLEXIBLE DEVICE FOR INITIATING AND RECEIVING PHONE CALLS

(51) International classification	·G06F3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Azoi Inc.
(32) Priority Date	:NA	Address of Applicant :715, Ivy Street, Pittsburgh, PA 15232,
(33) Name of priority country	:NA	USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Hamish Patel
(87) 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 wearable communication device includes a memory unit, a sensor unit, a communication unit, a controller unit and a display unit. The sensor unit senses a one or more gestures from a user based on a gesture information. The one or more gestures are a one or more commands associated with a required action from the user. The communication unit enables a platform for communicating a one or more data between the wearable communication device and a one or more communication devices. The controller unit, that (i) receives, from the sensor unit, the one or more commands, and (ii) processes the one or more commands to control communication between the one or more communication devices. The display unit displays notification regarding communication between the one or more communication devices based on the one or more commands.

No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : COMPACT WEARABLE AND FLEXIBLE ELECTRONIC GADGET TO COMMUNICATE WITH OR CONTROL EXTERNAL DEVICES

(51) International classification		(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:NA :NA	1)Azoi Inc. Address of Applicant :715, Ivy Street, Pittsburgh, PA 15232,
(33) Name of priority country	:NA	USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Hamish Patel
(87) 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 wearable communication device includes a processor that process a set of units. The set of units includes a memory unit, a sensor unit that senses one or more gestures from a user based on a gesture information; a communication unit that enables a platform for communicating a one or more data to control an plurality of communication device; a controller unit, that (i) dynamically receives, from the sensor unit, the one or more command based on a application, (ii) process the one or more communication device; and a display unit that displays the information associated with the required action to control the one or more communication device. The one or more gestures are a plurality of command associated with a required action from the user. The information associated with the required action is communicated to the plurality of communication device.

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CONTROL SWITCH ASSEMBLY FOR A VEHICLE

(51) International classification :G06F3/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006. Tamil Nadu India (72)Name of Inventor:  1)SUNIL KUMAR CHIPPA 2)SAMRAJ JABEZ DHINAGAR
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## (57) Abstract:

Provided description discloses a control switch assembly with a touch sensitive surface for user interface. It has a movable unit pivotally fixed with an immovable unit. A touch sensing surface is embedded to the movable unit such that touch sensing surface is connected to a touch sensor circuitry. Said touch sensor circuitry is activated by human interface with said touch sensing surface and activate a load control circuitry managing flow of predefined amount of current to a predefined load. Said activation depends on a predefined pressure on the touch sensing surface by. human interface and has a maximum limit of the predefined pressure defined by a non conductive contact mechanism.

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

(22) Date of filing of Application :29/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NOVEL CRYSTALLINE FROM OF AN ANTI-EMETIC DRUG

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TYCHE INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :H.NO.: C-21/A, ROAD NO. 9, FILM
(33) Name of priority country	:NA	NAGAR, JUBILEE HILLS, HYDERABAD - 500 096 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NARAYANA RAO MUTYALA
(61) Patent of Addition to Application Number	:NA	2)RAMADAS CHAVAKULA
Filing Date	:NA	3)VIJAYA RAJU MADDALA
(62) Divisional to Application Number	:NA	4)SANDEEP GOKARAJU
Filing Date	:NA	

# (57) Abstract:

The present invention provides a novel high melting crystalline Form of Metopimazine. Further, the present invention also provides a process for preparing novel high melting crystalline Form of Metopimazine.

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

(21) Application No.5332/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :05/07/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: STENT

(51) International classification :A61F2/90,A61F2/06,A61F2/82 (71)Name of Applicant:

:17/11/2011

(31) Priority Document No :61/433069 (32) Priority Date :14/01/2011

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/061165

Filing Date

(87) International Publication :WO 2012/096716

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)W. L. GORE & ASSOCIATES INC.

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1)ARMSTRONG Joseph R.

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5)LURIE Brandon A.

6)MCMURRAY Craig

7)MONTGOMERY William D.

8)TERRY Wendy J.

9)TITTELBAUGH Eric M.

### (57) Abstract:

The invention relates to a medical device and a method of using it. The device is a stent which can be percutaneously deliverable with (or on) an endovascular catheter or via other surgical or other techniques and then expanded. The stent is configured to have a central portion defined by open cells and at least two end portions defined by closed cells spaced apart and directly connected to the distal and proximal ends of the central portion of the stent. The stent may also optionally have a covering or a lattice with openings.

No. of Pages: 90 No. of Claims: 149

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AN ENGINE CONTROL DEVICE IN A VEHICLE

(51) International classification	:F02D41/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch GmbH
(32) Priority Date	:NA	Address of Applicant :Stuttgart, Feuerbach, Germany
(33) Name of priority country	:NA	Germany
(86) International Application No	:NA	2)Robert Bosch Engineering and Business Solutions
Filing Date	:NA	Limited
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)V Vinodhkumar
Filing Date	:NA	2)DHRUV Dhaval
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An engine control device (100) for controlling a air-to-fuel ratio (AFR) of a gasoline internal combustion engine (ICE) (1000) in a vehicle is disclosed. The device 100 comprises a proportional-integrator (PI) controller (90) for correcting the air-to-fuel ratio (91) to the ICE (1000), a three way catalytic convertor (95) located in an exhaust path of said ICE (1000), such that, a memory unit (20) stores pre-calibrated air-to-fuel ratio (21) calculated depending on a property of the three way catalytic convertor (95), a comparator (30) compares the stored air-to-fuel ratio (21) with current air-to-fuel ratio (91) and to generate a toggle output and a trigger means (40) triggers the PI controller (90) depending on the toggle output.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POWER AMPLIFIER PROVIDING HIGH EFFICIENCY

(51) International classification	:H02M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Aura Semiconductor Pvt. Ltd
(32) Priority Date	:NA	Address of Applicant :RMZ Ecoworld SEZ, Building 1,
(33) Name of priority country	:NA	Devarabeesanahalli, Outer Ring Road, Bangalore 560 103
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Arnold J D'Souza
(61) Patent of Addition to Application Number	:NA	2)Hariharan Srinivasan
Filing Date	:NA	3)Shyam Somayajula
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A power amplifier containing a DC-DC converter, a linear amplifier and a control block. The DC-DC converter receives power from a power source and generates a regulated power supply voltage whose magnitude is controlled by the magnitude of a control signal provided to the DC-DC converter. The linear amplifier receives an input signal and generates a power-amplified output signal, and receives the regulated power supply voltage for operation. The control block is coupled to receive the input signal, and generates the control signal with a magnitude based on the amplitude of the input signal. The regulated power supply voltage is modulated based on the amplitude of the input signal, for peak-to-peak amplitudes of the power-amplified output greater than or less than or equal to the magnitude of the power source. High efficiency for the power amplifier is thereby obtained.

No. of Pages: 48 No. of Claims: 20

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROCESS FOR PREPARATION OF ERIBULIN INTERMEDIATES

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Reddy <sup>TM</sup> s Laboratories Limited
(32) Priority Date	:NA	Address of Applicant :8-2-337, Road No. 3, Banjara hills,
(33) Name of priority country	:NA	Hyderabad, Andhra Pradesh, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Vilas Hareshwar Dahanukar
(87) International Publication No	: NA	2)Rashid Abdul Rehman Khan.
(61) Patent of Addition to Application Number	:NA	3)Amrendra kumar Roy
Filing Date	:NA	4)Ram Reddy Thirmula Reddy
(62) Divisional to Application Number	:NA	5)Subba Rao Jammula
Filing Date	:NA	6)Lokeswara Rao Madivada

## (57) Abstract:

The application relates to process for preparation of hexahydropyrano [3, 2-b] pyran compound of formula II, which is useful as an intermediate for the preparation of halichondrin B analogues such as Eribulin.

No. of Pages: 22 No. of Claims: 5

(21) Application No.3529/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: LIQUID CRYSTAL MONITOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:G02F1/133 :NA :NA :NA :PCT/JP2010/068675 :22/10/2010 :WO 2012/053094	(71)Name of Applicant:  1)NEC Display Solutions Ltd.  Address of Applicant: 4 28 Mita 1 chome Minato ku Tokyo 1080073 Japan (72)Name of Inventor:  1)KASUGA Hiroyuki 2)NAKAZAWA Takuya
` '		
Filing Date	:22/10/2010	1)KASUGA Hiroyuki
(87) International Publication No	:WO 2012/053094	2)NAKAZAWA Takuya
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This liquid crystal monitor has: a first voltage conversion circuit (DC DC converter) (22) which converts the value of an external DC voltage supplied from the outside into the value of a first internal DC voltage to be supplied to one circuit in the liquid crystal monitor; and a second voltage conversion circuit (backlight control device) (14) which converts the value of an external DC voltage into the value of a second internal DC voltage to be used for the purpose of driving the backlight of a liquid crystal panel in the liquid crystal monitor. The present invention has the advantage of not increasing the weight of the liquid crystal monitor which has a battery unit mounted thereon compared with the weight of conventional liquid crystal monitors by having merely one battery unit mounted thereon.

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR OPTIMIZED ENERGY UTILIZATION IN ENHANCED OIL RECOVERY PROCESS

(51) International classification	:F24J2/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ABB RESEARCH LTD.
(32) Priority Date	:NA	Address of Applicant :AFFOLTERNSTRASSE 44, CH-
(33) Name of priority country	:NA	8050 ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KEDAR KULKARNI
(87) International Publication No	: NA	2)SHRIKANT BHAT
(61) Patent of Addition to Application Number	:NA	3)VASUDEVA M
Filing Date	:NA	4)VENKATESWARAN NARAYANAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one aspect, the invention provides a method for optimized solar energy utilization in an enhanced oil recovery (ECR) p.cctss, wherein the enhanced oil recovery process includes at least oie secondary process. The method comprises estimating a value of at least one solar energy parameter, and accordingly ensuring whether the solar energy is capable of providing energy for the EOR process. In situations when the solar energy is insufficient to provide energy for the EOR process, the solar energy is utilized for the at least one seconder process, and if the solar energy parameters indicate that the energy is sufficient for the EOR process, then the solar energy is utilized for that purpose. Further, the solar energy may be utilized for both purposes if the solar energy part reters indicate that there is sufficient energy to meet the demand. The invention also provides a system to implement the method of the invention

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

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR CONTROLLING WHEEL SLIPPAGE IN ELECTRIC TRACTION VEHICLES

(31) Priority Document No       :P201001002       1)         (32) Priority Date       :02/08/2010       1)         (33) Name of priority country       :Spain       Tec         (86) International Application No       :PCT/ES2011/000118       Spa         Filing Date       :14/04/2011       (72         (87) International Publication No       :WO 2012/017101       1)         A1       2)	71)Name of Applicant:  1)CAF POWER & AUTOMATION S.L.U.  Address of Applicant: Paseo Mikeletegi n° 58 2° Parque econol <sup>3</sup> gico de San Sebasti <sub>i</sub> n 20009 San Sebastian (Gipuzkoa) pain  72)Name of Inventor:  1)ALBERDI UGRTE Adur 2)NIEVA FATELA Txomin 3)ECIOLAZA ECHEVERRIA Ibon
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# (57) Abstract:

The invention relates to a method for controlling wheel slippage in electric traction vehicles which acts on the traction torque of an electric engine that transmits a rotary movement to a drive shaft linked to the vehicle wheels such that when wheel slippage is detected the traction torque of the electric engine is acted on in two consecutive stages: a) exponential reduction in the traction torque during a predetermined reduction time (t\_red); and b) linear recovery of the traction torque until the required traction torque (T\_ref) is reached or a new slip is detected.

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

(21) Application No.5371/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :08/07/2013 (43) Publication Date: 13/02/2015

### (54) Title of the invention: AN IV PUMP ADAPTED FOR GENERIC TUBING

(51) International :A61M5/142,A61M5/168,A61M39/28 classification

(31) Priority Document :12/986092

(32) Priority Date :06/01/2011

(33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/020114 Application No

:03/01/2012 Filing Date

(87) International :WO 2012/094348

Publication No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to

:NA **Application Number** :NA

Filing Date

(71)Name of Applicant: 1) CAREFUSION 303 INC.

Address of Applicant: 3750 Torrey View Court San Diego

California 92130 U.S.A. (72) Name of Inventor:

1)BUTTERFIELD Robert D.

#### (57) Abstract:

A system and method of accurately pumping a fluid using tubing of variable inner diameter and material is disclosed. The disclosed pump comprises a pumping mechanism configured to compress and release a portion of a flexible tube to cause fluid to flow along the flexible rube a gauging apparatus and a vacuum apparatus. The gauging apparatus is configured to determine the inner diameter of the flexible tube which value is used in calibrating the pumping rate of the pump. The vacuum apparatus is configured to reduce the ambient pressure in a volume surrounding the portion of the flexible tube thereby causing the flexible tube to fully expand to its original outside diameter when the flexible tube is released by the pumping mechanism.

No. of Pages: 40 No. of Claims: 21

(19) INDIA

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

(21) Application No.5372/CHENP/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: CHANGEOVER VALVE

(51) International classification

:F16K11/044,F16K11/048,F16K11/18

(31) Priority Document :20 2011 101 289.5

(32) Priority Date :31/05/2011 (33) Name of priority

country

:Germany

(86) International Application No

:PCT/EP2012/002285

Filing Date

:30/05/2012

(87) International

:WO 2012/163523 A1

Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to **Application Number** Filing Date

:NA :NA (71)Name of Applicant: 1)NEOPERL GMBH

Address of Applicant : Klosterrunsstrasse 11 79379

M<sup>1</sup>/<sub>4</sub>llheim Germany

(72) Name of Inventor: 1)FANGMEIER Martin

(57) Abstract:

The invention relates to a changeover valve (1) comprising a valve housing (2) which has at least one inlet opening (3) and at least three outlet openings (4 5 6) of which outlet openings (4 5 6) by means of a changeover shaft (7) displaceably guided in the valve housing (2) one outlet opening can optionally respectively be assigned to the at least one inlet opening (3) comprising two sealing elements (8 9) which (8 9) are displaceably guided on the changeover shaft (7) between two drivers (10 11) and are kept at a distance from each other with the aid of at least one pressure element (12) comprising a switching tube (13) which is displaceably guided in the valve housing (2) via two circumferential annular guide surfaces (14 15) provided on the tube circumference thereof and has at least one switching tube opening (16) provided between the annular guide surfaces (14 15) wherein an axial actuating movement of the changeover shaft (7) can be transferred at least to one of the two sealing elements (8 9) in such a way that either both sealing elements (89) bear with outer circumferential sealing surfaces (1819) on the sealing surfaces (2223) of the valve housing (2) that surround a fluid passage (20 21) and one of the sealing elements (8 9) closes the adjacent circumferential front edge of the switching tube (13) with an inner circumferential sealing surface (24 25) while the other sealing element (9 8) remains at a distance from the other circumferential front edge of the switching tube (13) serving as a fluid passage or both inner circumferential sealing surfaces (24 25) of the sealing elements (8 9) bear on the adjacent circumferential front edges of the switching tube (13) while the one sealing element (89) uses the outer circumferential sealing surface (1819) thereof to load the adjacent mating sealing surface (22 23) surrounding the fluid passage and the other sealing element (9 8) is spaced apart from the mating sealing surface (25 24) assigned thereto and surrounding a fluid passage (21 20).

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

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR GENERATING FILTER COEFFICIENTS AND CONFIGURING FILTERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:G10L19/00 :61/443360 :16/02/2011 :U.S.A. :PCT/US2012/024270 :08/02/2012 :WO 2012/112357 :NA :NA	(71)Name of Applicant:  1)DOLBY LABORATORIES LICENSING CORPORATION Address of Applicant: 100 Potrero Avenue San Francisco California 94103 4813 U.S.A. (72)Name of Inventor: 1)DAVIS Mark F.
1 (81110 01	*	

#### (57) Abstract:

Methods for generating a palette of feedback (IIR) filter coefficient sets and using the palette to configure (e.g. adaptively update) a prediction filter which includes a feedback filter and a system for performing any of the methods. Examples of the system include an encoder including a prediction filter and configured to encode data indicative of a waveform signal (e.g. samples of an audio signal) and a decoder. In some embodiments the prediction filter is included in an encoder operable to generate (and assert to a decoder) encoded data including filter coefficient data indicative of the selected IIR coefficient set with which the prediction filter was configured during generation of the encoded data. In some embodiments the timing with which adaptive updating of prediction filter configuration occurs or is allowed to occur is constrained (e.g. to optimize efficiency of prediction encoding).

No. of Pages: 44 No. of Claims: 69

(21) Application No.5375/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMAGE PROCESSING APPARATUS AND METHOD OF SUPPLEMENTING PIXEL VALUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:H04N1/40,G06T3/00,G06T5/00 :2011016125 :28/01/2011 :Japan :PCT/JP2012/051902 :23/01/2012	(71)Name of Applicant: 1)RICOH COMPANY LTD. Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku Tokyo 1438555 Japan (72)Name of Inventor: 1)NAKAMURA Satoshi
(87) International Publication No	:WO 2012/102402	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is an image processing apparatus including a periodicity determining unit that determines whether a determination area including a target defective pixel is a periodicity area a first pixel value generating unit that generates a pixel value by a first supplementing method a second pixel value generating unit that generates a pixel value by a pixel second supplementing method a control unit that determines which of the first pixel value generating unit and the second pixel value generating unit is to be used based on the determination by the periodicity determining unit a pixel value supplementing unit that inserts the pixel value generated by the pixel value generating unit determined to be adopted and a pixel value updating unit that updates pixel values of neighboring pixels of the defective pixel.

No. of Pages: 121 No. of Claims: 15

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: PISTON FOR USE IN INTERNAL COMBUSTION ENGINES

:NA

:NA

(51) International classification :F02F3/02,F02F3/00 (71)Name of Applicant: (31) Priority Document No :10 2011 002 653.3 1)FEDERAL MOGUL NRNBERG GMBH (32) Priority Date :13/01/2011 Address of Applicant : Nopitschstr. 67 90441 N<sup>1</sup>/<sub>4</sub>rnberg (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2012/050347 (72)Name of Inventor : Filing Date :11/01/2012 1)N-DL Martin (87) International Publication No :WO 2012/095445 (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

Piston for use in internal combustion engines having a piston skirt composed of skirt walls (12) and box walls (16) said walls enclosing a recess (20) wherein the at least one skirt wall (12) is provided for use on the pressure side of the piston (10) in the installed state. Said piston is in particular characterized in that in at least one partial region (22) of at least one skirt wall (12) provided for use on the pressure side of the piston (10) the recess (20) is in substantially the shape of a parabola a section of an ellipse or a catenoid wherein said parabola said section of an ellipse or said catenoid lies in a plane substantially parallel to the piston crown.

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

(62) Divisional to Application Number

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EFFICIENT LIGNOCELLULOSE HYDROLYSIS WITH INTEGRATED ENZYME PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:10197455.8 :31/12/2010 :EPO	(71)Name of Applicant:  1)CLARIANT PRODUKTE (DEUTSCHLAND) GMBH Address of Applicant:BRUNINGSTRASSE 50 65929 FRANKFURT/MAIN Germany (72)Name of Inventor:  1)RARBACH Markus 2)DRAGOVIC Zdravko 3)KOHL Andreas 4)GERLACH Jochen 5)BARTUCH Jrg
(61) Patent of Addition to Application Number Filing Date		3)KOHL Andreas 4)GERLACH Jochen 5)BARTUCH Jrg
(62) Divisional to Application Number Filing Date	:NA :NA	6)BRCK Thomas

#### (57) Abstract:

The present invention provides a process for degradation of lignocellulosic biomass which has optionally been pre treated. It is based on the finding that hydrolysis efficiency of the biomass is enhanced in the presence of a mechanically or chemically treated microorganism capable of producing the respective hydrolytic enzymes. The invention therefore provides a process for degradation of lignocellulosic biomass with integrated produced enzyme cocktails. The invention also provides a process wherein the part of the optionally pre treated lignocellulosic biomass is incorporated into the final growth medium of the fungus.

No. of Pages: 52 No. of Claims: 20

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SINGLE APERTURE COAXIAL THREE CHANNEL OPTICAL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:U.S.A. :NA	SYSTEMS INTEGRATION INC. Address of Applicant :P.O. Box 868, NHQ1-719, Nashua, NH 03061-0868, United States of America U.S.A.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	(72)Name of Inventor: 1)STEPHEN F. SAGAN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A single aperture three channel optical system is disclosed. In one embodiment, the optical system includes a front optical group and a back optical group that is disposed in substantially close proximity to the front optical group. Further, the optical system includes a first sensor, a second sensor, and a third sensor. The front optical group and the second optical group receives an object beam and splits into a reflected beam having first wavelengths and a transmitted beam of second wavelengths. Furthermore, the front optical group and the second optical group splits the reflected beam having first wavelengths into a transmitted beam having third wavelengths and a reflected beam having fourth wavelengths. The first sensor, the second sensor and the third sensor receive the transmitted beam of second wavelengths, transmitted beam of third wavelengths, and reflected beam of fourth wavelengths, respectively and produce the coaxial three channel images.

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

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A WASTEGATE ACTUATOR FOR A TURBOCHARGER

(51) International classification	:F02B37/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch GmbH
(32) Priority Date	:NA	Address of Applicant :Stuttgart, Feuerbach, Germany
(33) Name of priority country	:NA	Germany
(86) International Application No	:NA	2)Robert Bosch Engineering and Business Solutions
Filing Date	:NA	Limited
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)THANGAVELU Kanagaraj
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A wastegate actuator (100) connected to a compressor of a turbocharger is disclosed. In an embodiment, the wastegate actuator (100) comprises a diaphragm (102) receiving pressurized air at a first side (102a) from the compressor of the turbocharger and a pneumatic switch (110) connected to the wastegate actuator (100), wherein the pneumatic switch (110) is activated when there is a leak of pressurized air in the diaphragm (102). The pneumatic switch (110) comprises a planar member (114) to receive the leaked air from the diaphragm (102). The pneumatic switch (110) further comprises a positive terminal (118), a negative terminal (120), and a spring (116) attached to the planar member (114), when elongated due to pressure from the leaked air, facilitates contact between the positive (118) and the negative terminal (120). In an embodiment, a method (300) of detecting failure of the wastegate actuator (100) is provided.

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

(19) INDIA

(22) Date of filing of Application :21/01/2013

(21) Application No.479/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: MONOLITHIC MICROWAVE INTEGRATED CIRCUIT

:NA

(32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number  Filing Date (33) Name of priority country  SU.S.A. (20) Address of Applicant: 870 Winter Street Waltham  Address of Applicant: 870 Winter Street Waltham  Massachusetts 02451 1449 U.S.A.  (72) Name of Inventor:  1) REZA Shahed  2) SWIDERSKI Edward  3) ALM Roberto W.		<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:U.S.A. :PCT/US2011/049039 :25/08/2011 :WO 2012/033641 :NA :NA	Massachusetts 02451 1449 U.S.A. (72)Name of Inventor: 1)REZA Shahed 2)SWIDERSKI Edward	
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# (57) Abstract:

Filing Date

A monolithic microwave integrated circuit structure having a semiconductor substrate structure with a plurality of active devices and a microwave transmission line having an input section an output section and a interconnecting section electrically interconnecting the active devices on one surface and a metal layer as well as a heat sink on an opposite surface overlaying the interconnection section and absent from overlaying the input section and the output section.

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

(22) Date of filing of Application :05/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTERNET PROTOCOL ADDRESS ALLOCATION IN A MOBILE AD HOC NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H04L :NA :NA :NA :NA	(71)Name of Applicant:  1)C-DOT ALCATEL- LUCENT RESEARCH CENTER PRIVATE LIMITED  Address of Applicant:5th Floor, Rayala Techno Park, 144/7 Rajiv Gandhi Salai Kottivakkam Chennai 600041, Jammu &
Filing Date	:NA	Kashmir India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)HEMANATHAN, Harini
Filing Date	:NA	2)BHATEWADA, Mahendar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Method(s) and system(s) for allocating an IP address to a new node joining a MANET through a neighboring node process are disclosed. The method may include receiving at least one request from the new node for allocating the IP address to join a cluster from amongst a plurality of clusters of the MANET. Each cluster of the MANET includes a cluster head and a plurality of nodes. The method may further include identifying a unique IP address from an IP allocation table for allocation to the new node. The IP allocation table is maintained by each node from amongst the plurality of nodes of the cluster. Furthermore, the method may include allocating the unique IP address to the new node upon confirming the unique IP address to be free for allocation.

No. of Pages: 53 No. of Claims: 14

(22) Date of filing of Application :02/04/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A LOCATION BASED COURIER RECIPIENT AGENT DIRECTORY

(51) International alogaistication	.006020/00	(71)Name of Amelians
(51) International classification	:G06Q20/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KALEESWARAN RATHINASAMY
(32) Priority Date	:NA	Address of Applicant :19, C.R. RAMAKRISHNAPURAM
(33) Name of priority country	:NA	PHASE-3, GANPATRAJ ROAD, VIRUGAMBAKKAM,
(86) International Application No	:NA	CHENNAI - 600 092 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KALEESWARAN RATHINASAMY
(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 systems, and software including a computer program product and storage media and carrier devices for embodying the same, and methods for the centralized(common) maintenance of a electronic public directory of authorized courier recipient services who are willing to serve on behalf of their nearby located customers. The customers who are willing to avail the service will empower the nearby agents as they are not willing to be disturbed in their homes or premises. There could be various reasons for such an empowerment and the data will stored in unique indexed format of Postal code(Pin code)+Area +Telephone Number or Postal code+Mobile Phone number.

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

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : CHUTE FEED ECONOMICAL COLOUR SORTER FOR WHOLE CASHEWS / WHOLE PEA NUTS

(51) International classification	:A23N5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RANGANATHAN MAKESH KUMAR
(32) Priority Date	:NA	Address of Applicant :NO.36,
(33) Name of priority country	:NA	KASTURINALCKENPALAYAM, SOMAYAM PALAYAM,
(86) International Application No	:NA	COIMBATORE - 641 041 Tamil Nadu India
Filing Date	:NA	2)SRINIVASAN ANBALAGAN
(87) International Publication No	: NA	3)RAMASWAMY GOUDHAMAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RANGANATHAN MAKESH KUMAR
(62) Divisional to Application Number	:NA	2)SRINIVASAN ANBALAGAN
Filing Date	:NA	3)RAMASWAMY GOUDHAMAN

#### (57) Abstract:

A CHUTE FEED ECONOMICAL COLOUR SORTER FOR WHOLE CASHEWS/WHOLE PEA NUTS, comprising of Hopper (8A) supported by rods (9A). A vibrating mechanism (10A) and vibrating tray (11A) are mounted on top of Z shaped Frame (1A). Nuts reach an inclined Chute (7A) through the tray and get exposed to two optical box units; one fixed to the front and another to the rear of the Frame (1A). A photoelectric detection device, subjects the raw material to light, discriminating nuts according to colour and activates an injection nozzle device (IB) which shoots up a jet of air, ejecting the discriminated nuts to fall out of the downward moving queue of nuts on the chute and divert them to a Rejection Chamber (5A). Discriminated nuts exit through a Rejection Nuts Tube (5oA) and the good nuts through Good Nuts Tube (6A) for segregation; which are essentially made of cloth/rubber like material.

No. of Pages: 15 No. of Claims: 3

(21) Application No.444/CHENP/2013 A

Address of Applicant : Viale Asiago 34 36061 Bassano del

(71)Name of Applicant:

1)TONCELLI Luca

Grappa (Vicenza) Italy (72)Name of Inventor:

1)TONCELLI Luca

(19) INDIA

(22) Date of filing of Application: 18/01/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: PRESS FOR VACUUM VIBRO COMPRESSION OF SLABS OR BLOCKS OR ARTICLES OF AGGLOMERATED OR CERAMIC MATERIAL

(51) International :B28B1/08,B28B1/087,B28B3/02

classification (31) Priority Document No

:TV2010A000118

(32) Priority Date

:06/08/2010 (33) Name of priority country: Italy

(86) International Application :PCT/IB2011/053460

No Filing Date

:WO 2012/017401 A1

(87) International Publication

(61) Patent of Addition to :NA

**Application Number** Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

:03/08/2011

:NA

(57) Abstract:

A press (10) for vacuum vibro compression of slabs or blocks or articles of agglomerated or ceramic material comprises a ram with a pressing surface (52) provided with means (100 200) for generating a vibratory movement which comprise a first and a second set of vibrating devices (111) each device being provided with at least one rotating shaft with an eccentric mass. The shafts of the vibrating devices (111) of one set rotate in the opposite direction to the shafts of the vibrating devices of the other set. Each set comprises at least two vibrating devices which are arranged with their respective axes not coaxial and interconnected by kinematic connection means (241 242 ...250 261 262 ... 270) for rotating in synchronism.

No. of Pages: 21 No. of Claims: 17

(21) Application No.4835/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/06/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CELLUAR PHOSPHATE CERAMICS AND METHODS OF MANUFACTURE AND USE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to	:C04B35/447,C04B28/34,C04B35/626 :61/294,986 :14/01/2010 :U.S.A. :PCT/US2011/021240 :14/01/2011 :WO 2011/088286 A2	(71)Name of Applicant: 1)ENGINEERED ARRESTING SYSTEMS CORPORATION Address of Applicant: 2550 MARKET STREET, ASTON, PA 19014 U.S.A. (72)Name of Inventor: 1)VALENTINI, SILVAIA C. 2)LI, YOUHONG 3)CORATOLO, ANTHONY MARIO
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

### (57) Abstract:

Embodiments of the present invention provide cellular phosphate bodies formed using specialized steps to ensure a specific strength range, and specifically a compressive strength less than 100 pounds per square inch. Further embodiments relate to uses for various phosphate ceramics as vehicle arresting systems.

No. of Pages: 29 No. of Claims: 25

(21) Application No.5467/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BENZOXAZINE RESINS

(51) International classification :C08L79/02,C08L81/06

(31) Priority Document No :1101302.6 (32) Priority Date :25/01/2011

(33) Name of priority country :U.K. (86) International Application No :PCT/EP2012

(86) International Application No :PCT/EP2012/050307 Filing Date :10/01/2012

(87) International Publication No :WO 2012/100980
(61) Patent of Addition to Application
Number :NA :NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date :NA

:C08L79/02,C08L81/06 (71)Name of Applicant :

1)CYTEC TECHNOLOGY CORP.

Address of Applicant :300 Delaware Avenue Wilmington

Delaware 19801 U.S.A. (72)Name of Inventor:

1)WARD Steven Richard

2)CROSS Paul 3)MASKELL Robin

#### (57) Abstract:

A curable polymer composition containing: (A) a thermoset benzoxazine resin precursor component; (B) optionally an arylsulphone containing benzoxazine component and (C) a polyarylsulphone thermoplastic toughening agent wherein in the absence of component (B) component (C) contains one or more benzoxazine pendant and/or end groups.

No. of Pages: 52 No. of Claims: 43

(21) Application No.5284/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 04/07/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: A COMMUNICATION METHOD OF A SINGLE RADIO VOICE CALL CONTINUITY SYSTEM

(51) International :H04W48/18,H04M3/00,H04W36/14 classification

:Japan

(31) Priority Document No :2009-187564 (32) Priority Date :12/08/2009

(33) Name of priority

country

(86) International

:PCT/JP10/063654 Application No :15/02/2012 Filing Date

(87) International : NA Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to

**Application Number** :01/01/1900

Filed on

(71)Name of Applicant: 1)NEC CORPORATION

Address of Applicant: 7-1, SHIBA 5-CHOME, MINATO-

KU, TOKYO 108-8001 Japan (72) Name of Inventor:

1)NISHIDA, KATSUTOSHI 2)KOSHIMIZU, TAKASHI 3)TAMURA, TOSHIYUKI

#### (57) Abstract:

A communication method of a single radio voice call continuity system (SRVCC) including a mobile station, a packet-switched (PS) system, a circuit-switched (CS) system, and an IMS (IP Multimedia Subsystem), the method comprising switching, within a serving network of said mobile station, from a signal path in the packet-switched system to a signal path in the circuit-switched system so that said mobile station accesses to either the packet-switched system or the circuit-switched system during a handover from the packetswitched system to the circuit-switched system, and continuing a communication between the mobile station and a communication partner of the mobile station.

No. of Pages: 66 No. of Claims: 3

(21) Application No.5285/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 04/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: IMAGE CAPTURING DEVICE AND IMAGE CAPTURING METHOD

(51) International :G02B7/28,G02B7/30,G03B13/36 classification

(31) Priority Document No :2011004858 (32) Priority Date :13/01/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/050657

:10/01/2012

Filing Date

(87) International Publication :WO 2012/096395

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)RICOH COMPANY LIMITED

Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku

Tokyo 1438555 Japan

(72) Name of Inventor:

1)ITOH Kei 2)ITO Yoichi

#### (57) Abstract:

An image capturing device includes: an image capturing unit that captures a subject image through a lens and converts the subject image into an electric signal; an image displaying unit that displays an image; a designation accepting unit that is provided on a display surface of the image displaying unit and that accepts designation of a plurality of positions on the image displayed on the image displaying unit; a range finding unit that performs range finding of a distance to a subject by using a plurality of two dimensional image sensors; an area setting unit that sets a range finding area obtained from a range finding result for a region that includes the plurality of positions designated through the designation accepting unit; a position determining unit that determines in focus positions based on distances of the range finding areas; and a continuous shooting unit that performs image capturing at the in focus positions.

No. of Pages: 56 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 13/02/2015

(54) Title of the invention: PORTABLE GROUTING-CLEANING MACHINE FOR CLAD WALLS

(51) International classification :B08B1/00 (31) Priority Document No :VE2009A000074 (32) Priority Date :21/12/2009 (33) Name of priority country :Italy

(86) International Application No :PCT/EP2010/069778 (72)Name of Inventor :

Filing Date :15/12/2010 :WO 2011/076633 (87) International Publication No

**A**1 (61) Patent of Addition to Application

:NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant: 1)PIANTA, CRISTIAN

(21) Application No.5287/CHENP/2012 A

Address of Applicant :VIA M. K. GANDHI, 2/A, I-35020

**LEGNARO** Italy

1)PIANTA, CRISTIAN

#### (57) Abstract:

A portable g routing-cleaning machine for clad vertical walls, characterised by comprising: - a frame (2, 4, 34), - an puppetry open water container (8) of essentially vertical extension supported by said frame, - an endless sponge band (6) stretched between deviation rollers (10, 12, 14, 20, 36) positioned such as to form a straight vertical sponge portion to rest against the wall to be treated, said deviation rollers comprising at least one motorized roller (14) and at least one roller (36) housed in said container (8), to form a loop of said band (6) therein, - two handgrips (26) positioned side by side on said portable frame, and graspable by the operator during the machine operation, - at least one pushbutton (28), fixed on the frame of machine, connected into the power circuit of an electric motor (18) which drives said motorized roller (14) and is driven by the operator who grips said handles (26).

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

(19) INDIA

(22) Date of filing of Application: 04/07/2013

(21) Application No.5287/CHENP/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: LUMINOUS GLASS PANEL

(51) International classification :B60Q3/02
(31) Priority Document No :1150478
(32) Priority Date :21/01/2011

(33) Name of priority country :France :PCT/FR2012/050101

Filing Date :17/01/2012 (87) International Publication No :WO 2012/098330

(61) Patent of Addition to Application
Number
:NA
:NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant:

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France (72)Name of Inventor:

1)VERGER Arnaud

2) VERMERSCH Fran § ois Julien

3)LECAMP Guillaume 4)SOLARSKI Samuel

5) VERRAT DEBAILLEUL Ad'le

6)MOTTELET Batrice 7)KLEO Christophe 8)BAUERLE Pascal 9)PIROUX Fabienne

10)RICHARD Alexandre

### (57) Abstract:

The invention relates to a luminous glass panel including: at least one substrate consisting of at least one preferably transparent glass element in particular at least one transparent sheet; at least one radiation source; at least one means for extracting the radiation said extraction means being arranged so as to create a luminous area said extraction means consisting of at least one fibrous layer.

No. of Pages: 35 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application: 11/07/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: MACHINE IMPLEMENTED METHOD FOR OBTAINING DATA FROM A NONLINEAR DYNAMIC REAL SYSTEM DURING A TEST RUN

(51) International classification :G05B13/04,G05B23/02 (71)Name of Applicant :

(31) Priority Document No :A0804/2011 (32) Priority Date :31/05/2011 (33) Name of priority country :Austria

(86) International Application No :PCT/EP2012/060156

Filing Date :30/05/2012 (87) International Publication No :WO 2012/163972

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

(21) Application No.5510/CHENP/2013 A

1)AVL LIST GMBH

Address of Applicant: Hans List Platz 1 A 8020 Graz Austria

(72) Name of Inventor: 1)STADLBAUER Markus 2)HAMETNER Christoph 3)JAKUBEK Stefan

4)WINSEL Thomas 5)KEUTH Nikolaus

#### (57) Abstract:

In a machine implemented method for obtaining data from a nonlinear dynamic real system during a test run for instance an internal combustion engine a drive train or parts thereof of a sequence of dynamic excitation signals for at least one measurement channel is generated according to a previously generated design of experiment for said test run and the system output of at least one output channel is measured. To enable the quick and precise generation of experimental designs for global measurement modeling and optimization of a nonlinear dynamic real system it is proposed that the sequence of dynamic excitation signals was generated by the method of generating a design of experiment with a sequence of excitation signals obtaining output data by feeding said sequence of excitation signals into a model for the real system said model comprising nonlinear dynamic models determining a criterion for the information content of the complete design of experiment sequence and in a following step varying the totality of the sequence of excitation signals obtaining new output data by feeding said modified sequence of excitation signals into the model for the real system determining again said criterion for the for the information content and repeating these steps until said criterion has reached its optimum value using the last generated sequence of excitation signals as design of experiment for the test run of the real system.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYNTHESIS AND ANTI INFLAMMATORY ACTIVITY OF PIPERAZINE NUCLEUS CONTAINING NOVEL CHALCONE DERIVATIVES

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABDUL RAHAMAN SHAIK
(32) Priority Date	:NA	Address of Applicant :PRINCIPAL, NIRMALA COLLEGE
(33) Name of priority country	:NA	OF PHARMACY, MANGALAGIRI, GUNTUR - 522 502
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRAMEELA RANI AVULA
(61) Patent of Addition to Application Number	:NA	2)RAJENDRA PRASAD Y
Filing Date	:NA	3)PUSAPATI MADAN RANJIT
(62) Divisional to Application Number	:NA	4)PHANIKUMAR KOLA
Filing Date	:NA	

#### (57) Abstract:

Chalcones are the bichromophoric molecules separated by a keto-vinyl chain, constitute an important class of naturally occurring flavanoids [1] exhibiting a wide spectrum of biological activities. The inventors have developed some novel piperazine nucleus containing chalcone derivatives synthesized by Claisen-Schimdt reaction in which piperazine acetophenone condensed with various aromatic aldehydes. Their chemical structure was elucidated by means of FT-IR and H-NMR (CDC13). The pharmacological evaluation of antiinflammatory activity of synthesized compounds was done by carrageenan induced paw oedema method using aceclofenac as standard drug. Among the synthesized compounds, RC-4 and RC-7 have showed significant antiinflammatory activity and others had moderate activity.

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

(19) INDIA

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

(21) Application No.4684/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: VISCOUS CHEMILUMINESCENT COMPONENTS AND DISPENSING MEANS

(51) International classification :C09K11/07,F21K2/06 (71)Name of Applicant :

:61/424446 (31) Priority Document No (32) Priority Date :17/12/2010

(33) Name of priority country :U.S.A.

:PCT/US2011/065690 (86) International Application No Filing Date :17/12/2011

(87) International Publication No :WO 2012/083283

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1) CYALUME TECHNOLOGIES INC.

Address of Applicant :96 Windsor Street West Springfield

MA 01089 U.S.A.

(72)Name of Inventor:

1)PALMER William R. 2)PALMER Stephen L.

#### (57) Abstract:

A chemiluminescent multiple part marking system comprising at least one first reactant and at least one second reactant wherein the at least one first reactant is chosen from a viscous oxalate composition and wherein the at least one second reactant is chosen from a liquid activator. A chemiluminescent multiple part marking system comprising at least one first reactant and at least one second reactant wherein the at least one first reactant is chosen from a liquid oxalate composition and wherein the at least one second reactant is chosen from a viscous activator composition. A containment device comprising at least one first containment part comprising at least one first chemiluminescent reactant at least one second containment part comprising at least one second chemiluminescent reactant at least one barrier separating the at least one first containment part and the at least one second containment part and at least one activation mechanism that upon activation allows fluid communication between the at least one first containment part and the at least one second containment part

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

(21) Application No.5344/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD FOR MANUFACTURING A SILKSCREEN PRINTED LAMINATED GLASS PANEL USING A DOUBLE WEAVE SILKSCREEN

(51) International classification :B41M3/00,B41M5/00

 (31) Priority Document No
 :1061350

 (32) Priority Date
 :29/12/2010

(33) Name of priority country :France
(86) International Application No. :PCT/FR2011/0532

(86) International Application No :PCT/FR2011/053209 Filing Date :29/12/2011

(87) International Publication No :WO 2012/089988

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:B41M3/00,B41M5/00 (71)**Name of Applicant :** 

3)WERY Sbastien

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 avenue dAlsace F 92400

Courbevoie France
(72)Name of Inventor:
1)BURELOUX Dominique
2)DUMENIL Thierry

(57) Abstract:

The invention relates to a method for manufacturing a printed laminated glass panel consisting of two sheets of glass separated by an intermediate adhesive sheet including the steps of silk screening at least one surface of one of the sheets comprising the glass panel with a printing composition using a silkscreen; and in assembling the various sheets comprising the glass panel at least one of which has been silk screened. A silkscreen is used in this method which includes two stacked fabrics the fabric (I) intended to be placed opposite the surface being silk screened having a mesh opening smaller than the other fabric (S) the difference in mesh opening between the two fabrics being within the range of 22 to 65 µm.

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

(21) Application No.5555/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PERFUMING INGREDIENT OF THE GALBANUM FAMILY

:NA

(51) International classification	:C07C49/557,C11B9/00	(71)Name of Applicant:
(31) Priority Document No	:11154754.3	1)FIRMENICH SA
(32) Priority Date	:17/02/2011	Address of Applicant :1 route des Jeunes P. O. Box 239 CH
(33) Name of priority country	:EPO	1211 Geneva 8 Switzerland
(86) International Application No	:PCT/EP2012/050936	(72)Name of Inventor:
Filing Date	:23/01/2012	1)BIRKBECK Anthony A.
(87) International Publication No	:WO 2012/110281	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	

(57) Abstract:

Filing Date

The present invention relates to 1 (5 ethyl 5 methyl 1 cyclohexen 1 yl) 4 penten 1 one and its use as perfuming ingredient.

No. of Pages: 18 No. of Claims: 6

(22) Date of filing of Application :28/06/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PYRIDINONE HYDROXYCYCLOPENTYL CARBOXAMIDES:HIV INTEGRASE INHIBITORS WITH THERAPEUTIC APPLICATIONS

(51) International :C07D213/63,A61K31/4412,A61K31/4439

classification

(31) Priority :61/283,675

Document No (32) Priority Date :07/12/2009

(33) Name of priority :U.S.A. country

(86) International

:PCT/US2010/059183

Application No :07/12/2010 Filing Date

(87) International

:WO 2011/071849 A2

Publication No (61) Patent of

Addition to :NA Application Number :NA

Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

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Address of Applicant : BOYD GRADUATE STUDIES RESEARCH CENTER, D.W. BROOKS DRIVE, ATHENS, GA 30602-7411 U.S.A.

(72)Name of Inventor:

1)NAIR, VASU

2)OKELLO, MAURICE, O.

3)NISHONOV, ABDUMALIK, A. 4)MISHRA, SANJAYKUMAR

(57) Abstract: New chiral and achiral oxy-substituted cyclopentyl pyridinone diketocarboxamides and their derivatives and methods for their preparations are disclosed. The compounds include tautomers, regioisomers and geometric isomers. These complex carboxamides are designed as inhibitors of HIV replication through inhibition of HIV integrase. The compounds are useful in the prevention or treatment of infection by HIV and in the treatment of AIDS and ARC, either as the compounds, or as pharma-ceutically acceptable salts, with pharmaceutically acceptable carriers, used alone or in combination with antivirals, immunomodulators, antibiotics, vaccines, and other therapeutic agents, especially other anti-HIV compounds (including other anti-HTV integrase agents), which can be used to create combination anti-HIV cocktails. Methods of treating AIDS and ARC and methods of treating or preventing infection by HIV are also described.

No. of Pages: 98 No. of Claims: 52

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : AN EXHAUST VALVE SPINDLE FOR AN EXHAUST VALVE IN AN INTERNAL COMBUSTION ENGINE

(31) Priority Document No  (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	F16K1/00 PA 2012 70414 06/07/2012 Denmark NA NA NA NA NA NA	(71)Name of Applicant: 1)MAN Diesel & Turbo, Filial af MAN Diesel & Turbo SE, Tyskland Address of Applicant: Teglholmsgade 41, 2450 Copenhagen SV, Denmark (72)Name of Inventor: 1)Uffe BIHLET
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#### (57) Abstract:

An exhaust valve spindle for an exhaust valve in an internal combustion engine has a shaft and a valve disc at the lower end of the shaft, which valve disc at its upper surface has a seat area. The seat area is of a seat material comprising at least from 34.0 to 44.0% Cr, an aggregate amount of Nb and Ta in the range from at least 2.8 to 6.1%, from 0.3 to 2.0% Ti, at the most 0.2% Al, at the most 0.04% B, at the most 0.8% Fe, at the most 0.04% C, at the most 0.4% Si, and a balance of Ni, where the amount of Ti + Nb + 0.5 x Ta is in the range from 3.4 to 6.6%, and where the amount of Nb + 0.5 x Ta is less than 3.0% if the amount of Ti is larger than 1.5%.

No. of Pages: 27 No. of Claims: 18

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SMART ENTERPRISE RESOURCE PLANNING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:G06Q :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Tarachand Kishore  Address of Applicant: No. 15, Rustambagh Road, No.603 & 604, Oxford House, Kodihalli Bangalore-560017, India.  Karnataka India (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:NA	1)Tarachand Kishore
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention provides to a system for Enterprise Resource Planning (ERP). In particular, invention relates to a smart system designed specifically for small and medium business enterprises. The ERP real time single integrated system comprises nine basic modules and sixteen optional modules and is available as self-hosted, cloud or software as a service (SAAS) computing infrastructure, which reduces maintenance time, license fees and further provides real-time dashboard for management. The system is used to track the status of the enterprise operations such as ordering of a material, receipt of an invoice, and payment of that invoice. The system automates different processes and offers many returns on the initial investment. The system improves customer relations and service, business processes, and ensures better control over budgets and production schedules. Furthermore, the system is also customizable to meet the specific needs of any organization.

No. of Pages: 45 No. of Claims: 5

(22) Date of filing of Application :25/04/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : MOBILE COMMUNICATION METHOD, MOBILITY MANAGEMENT NODE, AND PACKET EXCHANGER

(51) International :H04W24/04,H04L12/66,H04M3/00

classification (31) Priority Document No :2009-239881 (32) Priority Date :16/10/2009

(33) Name of priority

(33) Name of priority country :Japan

(86) International :PCT/JP2010/068207

Application No
Filing Date

115/10/2010

(87) International

Publication No :WO 2011/046219 A1

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
:NA
:NA
:NA

(71)Name of Applicant : 1)NTT DOCOMO, INC.

Address of Applicant :11-1, NAGATACHO 2-CHOME,

CHIYODA-KU, TOKYO 100-6150 Japan

(72)Name of Inventor:

1)NISHIDA, KATSUTOSHI 2)SUZUKI, KEISUKE 3)NARAHA, SHIN

#### (57) Abstract:

Filing Date

A mobile communication method according to the present invention includes a step A of releasing, by a gateway device S-GW, a first GBR bearer for a mobile station UE and transmitting Downlink Data Notification to a packet exchanger SGSN if a fault of a radio network controller RNC is detected in the state in which a second GBR bearer for the mobile station UE is set, a step B of transmitting, by the packet exchanger SGSN, Paging to the mobile station UE, and a step C of starting, by the packet exchanger SGSN, a procedure for releasing the second GBR bearer when no response to the Paging is received from the mobile station UE in a predetermined period.

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

(22) Date of filing of Application :23/01/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: VALVE DEVICE BRAKE SYSTEM AND VEHICLE

:B60T15/00,B60T13/68,B60T17/04 (71)Name of Applicant : (51) International

classification (31) Priority Document No :10 2010 050 580.3

:05/11/2010 (32) Priority Date (33) Name of priority :Germany

country

(86) International :PCT/EP2011/005038 Application No

:08/10/2011 Filing Date

(87) International

:WO 2012/059163 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

1)WABCO GMBH & CO. OHG

Address of Applicant : Am Lindener Hafen 21 30453

Hannover Germany (72) Name of Inventor: 1)KIEL Bernd Joachim

2)ROSENDAHL Hartmut 3)ROTERS Gerd

4)STRACHE Wolfgang 5)STRUWE Otmar

# (57) Abstract:

The invention relates to a valve device (1) for brake control of a pressure medium operated brake system of a vehicle and to a brake system (130) comprising said valve device (1). The valve device (1) comprises a housing (8) which in turn has several pressure medium ducts (58 to 64 80 to 86). The valve device (1) further comprises a relay valve which provides a pneumatic control pressure which is fed to said relay valve via at least one of the pressure medium ducts (58 to 64 80 to 86) involving a higher amount of pressure medium. The valve device (1) comprises at least one insert (2 to 2) which is pneumatically connected to at least two pressure medium ducts (58 66). The two pressure medium ducts (58 66) are or can be pneumatically connected to each other by said insert (2) via a pneumatic connection. At least these two pressure medium ducts (58 66) which are or can be connected to each other and their pneumatic connection or connection possibility by the insert (2) define together a pressure medium path. According to the invention the profile of the pressure medium path is different due to the nature of the respectively selected housing (8) as a function of the housing that is in each case selected and/or is or can be switched in a different manner due to the respectively selected insert (2 to 2) as a function of said insert (2 to 2). The housing (8) is selected from a set of housings (8) which have several different pressure medium ducts in particular bores but which are otherwise similar or essentially similar. The insert (2 to 2) is selected from a set of several different inserts (2 to 2).

No. of Pages: 39 No. of Claims: 15

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NANOMATERIAL BASED NOVEL GROWTH MEDIUM FOR ENHANCED EFFICIENCY OF AGRICULTURALLY BENEFICIAL BIO-AGENTS AND PLANT - GROWTH PROMOTING RHIZOBACTERIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01N63/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ACHARYA N G RANGA AGRICULTURAL UNIVERSITY  Address of Applicant: ACHARYA N G RANGA AGRICLTURAL UNIVERSITY, RAJENDRANAGAR, HYDERABAD - 500 030 Andhra Pradesh India (72)Name of Inventor:  1)TOLLAMADUGU, NAGA VENKATA KRISHNA VARA PRASAD  2)TIRUPATI, MURALIKRISHNA 3)KONDREDDI, RAJA REDDY 4)PALAGIRI SUDHAKAR
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#### (57) Abstract:

Abstract This invention describes the modification of growth medium for enhanced efficiency of agriculturally beneficial bioagents and plant growth promoting rhizobacteria. The present study was undertaken to investigate the Bacillus thuringiensis growth on modified medium. The modified medium was prepared with the addition of Nano materials of Zn and Cu to Luria Bertani broth which is specific for Bacillus thuringiensis. Three different concentrations were used to analyse the variation in culture of Bacillus thuringiensis. Bacillus thuringiensis cell count was recorded after 24hours. The culture with Nano materials of Zn and Cu was inoculated on solid media which is known as Luria Bertani agar to observe the number of colonies formed. The results revealed that there was substantial increase in cell count as well as Colony Forming Units (CFU) when nano materials of Zn and Cu is added at lower concentrations (<50ppm). Whereas the growth of Bacillus thuringiensis suppressed at high concentrations(50ppm &100ppm) of Nano ZnO and CuO.

No. of Pages: 24 No. of Claims: 9

(22) Date of filing of Application: 17/12/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention : ARRANGEMENT OF A THROTTLE DEVICE FOR THE CONTROL AND/OR REGULATION OF ENGINE BRAKING OPERATION

(51) International classification	:F02D9/00	(71)Name of Applicant:
(31) Priority Document No	:A 1877/2011	1)MAN TRUCK & BUS OSTERREICH AG Address of Applicant : SCHONAUER STR. 5, 4400, STEYR
(32) Priority Date	:23/12/2011	Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:NA	1)RAMMER, FRANZ
Filing Date	:NA	2)LEITENMAYR, FRANZ
(87) International Publication No	: NA	3)KLINGER, HEIDRUN
(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 arrangement of a throttle device for controlling and/or regulating the engine braking operation of an internal combustion engine, which is supercharged by means of at least one exhaust-gas turbocharger, in motor vehicles, in particular of an auto-ignition internal combustion engine, wherein the at least one or at least one exhaust-gas turbocharger has at least one single-channel or multi-channel exhaust-gas turbine (1; 15), in the housing (2; 16) of which is formed at least one inflow duct (2b) in which a throttle device (8; 17) is integrated upstream of and adjacent to a turbine rotor (3) received in a rotor receiving chamber (7) of the housing (2; 16)/ To increase the engine braking performance in the lower engine speed range, it is proposed that the throttle device (8; 17) is arranged in the mouth region of the at least one inflow duct (2b) into the rotor receiving chamber (7), in such a way that the throttle device (8; 17), when in its closed position, substantially completely closes off the at least one inflow duct (2b) and thus the flow connection to the rotor receiving chamber (7).

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

(21) Application No.5539/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROCESS FOR LURASIDONE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number SNA Filing Date (88) Filing Date (89) International Publication Number Filing Date (89) International Publication Number Filing Date (80) International Publication Number Filing Date (81) International Classification Filing Date (82) International Classification Filing Date (83) Name of priority country Filing Date (84) International Application Filing Date Filing Date (85) International Classification Filing Date	(71)Name of Applicant:  1)HETERO RESEARCH FOUNDATION Address of Applicant: HETERO DRUGS LIMITED, HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES, SANATH NAGAR, HYDERABAD - 500 018 Andhra Pradesh India (72)Name of Inventor:  1)PARTHASARADHI REDDY BANDI 2)RATHNAKAR REDDY KURA 3)MURALIDHARA REDDY, DASARI 4)SRINIVAS REEDY, ITIYALA 5)VAMSI KRISHNA, BANDI
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<sup>(57)</sup> Abstract:

No. of Pages: 8 No. of Claims: 5

The present invention provides a novel process for the purification of lurasidone substantially free of isomeric impurity.

(19) INDIA

(22) Date of filing of Application: 18/07/2013 (43) Publication Date: 13/02/2015

:NA

(54) Title of the invention: ELECTRIC FLUID HEATER AND METHOD OF ELECTRICALLY HEATING FLUID

(51) International classification :F24H1/20,H05B3/82

(31) Priority Document No :PCT/AU2011/000016 (32) Priority Date :07/01/2011

(33) Name of priority country :Australia

(86) International Application No

Filing Date :06/07/2011 (87) International Publication No :WO 2012/092641

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date

(71)Name of Applicant:

1)MICROHEAT TECHNOLOGIES PTY LTD

Address of Applicant :Unit 6 38 42 Sabre Drive Port Melbourne Victoria 3207 Australia

:PCT/AU2011/000860 (72)Name of Inventor :

1)VAN AKEN Robert Cornelis

(21) Application No.5736/CHENP/2013 A

2)ISRAELSOHN Cedric

#### (57) Abstract:

Some embodiments relate generally to electric fluid heaters and heating methods and heating systems employing such heaters and methods. A representative embodiment of the heater comprises: a body having a fluid inlet and a fluid outlet and defining a fluid passage between the fluid inlet and the fluid outlet; and at least two heating assemblies disposed in the body and arranged in parallel each heating assembly comprising at least two electrodes configured to heat fluid by passing alternating electric current through the fluid; wherein the at least two heating assemblies are arranged in the body so that fluid flowing through the fluid passage flows simultaneously through the at least two heating assemblies.

No. of Pages: 34 No. of Claims: 27

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DYNAMIC CONTROL OF DESIGN CLOCK GENERATION IN EMULATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F17/00 :NA :NA :NA	(71)Name of Applicant:  1)MENTOR GRAPHICS CORPORATION Address of Applicant:8005 S.W. BOECKMAN ROAD, WILSONVILLE, OREGON 97070-7777 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KRISHNAMURTHY SURESH
(87) International Publication No	: NA	2)SATISH KUMAR AGARWAL
(61) Patent of Addition to Application Number	:NA	3)AMIT JAIN
Filing Date	:NA	4)SANJAY GUPTA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Aspects of the invention relate to techniques for dynamic control of design clock generation in emulation. A circuit design for verification is analyzed to determine one or more clock-enabling functions for a specific clock signal. Logic for generating a clock status signal based on the one or more clock-enabling signals is then determined. The clock status signal is employed to control clock generation in an emulation system for emulating the circuit design.

No. of Pages: 28 No. of Claims: 22

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A METHOD AND APPARATUS FOR DYNAMIC RANGE ENHANCEMENT OF AN IMAGE

(51) International classification	·G06C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt. Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview, Block B, No.
(33) Name of priority country	:NA	66/1, Bagmane Tech Park, CV Raman NagarByrasandra,
(86) International Application No	:NA	Bangalore Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sabari Raju Shanmugam
(61) Patent of Addition to Application Number	:NA	2)Parijat Prakash Prabhudesai
Filing Date	:NA	3)Narasimha Gopalakrishna Pai
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method and apparatus for enhancing the local dynamic range of an image using the contents of exposure bracketed image set without affecting overall dynamic range of the image is disclosed. The method allows a user to select at least one region of a reference image for enhancement after receiving the reference image from the user. Further the method comprises segmenting the reference image by using exposure weights, and selects an enhancement support image from an exposure bracketed image set. Furthermore the method determines weight maps of reference and enhancement support images and generates dynamic range enhanced reference image using determined weight maps.

No. of Pages: 48 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application: 12/07/2013

(21) Application No.5560/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: ADAPTIVE MODE SCANNING PROBE MICROSCOPE

(51) International classification :B82Y35/00,G01Q10/06 (71)Name of Applicant :

(31) Priority Document No :1101636.7 (32) Priority Date :31/01/2011

(33) Name of priority country :U.K.

:PCT/GB2012/050204 (86) International Application No

Filing Date :31/01/2012 (87) International Publication No :WO 2012/104625

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)INFINITESIMA LIMITED

Address of Applicant :Oxford Centre for Innovation New Road Oxford Oxfordshire OX1 1BY U.K.

(72)Name of Inventor:

1)HUMPHRIS Andrew

#### (57) Abstract:

A scanning probe microscope comprising a probe that is mechanically responsive to a driving force. A signal generator provides a drive signal to an actuator that generates the driving force the drive signal being such as to cause the actuator to move the probe repeatedly towards and away from a sample. A detection system is arranged to output a height signal indicative of a path difference between light reflected from the probe and a height reference beam. Image processing apparatus is arranged to use the height signal to form an image of the sample. Signal processing apparatus is arranged to monitor the probe as the probe approaches a sample and to detect a surface position at which the probe interacts with the sample. In response to detection of the surface position the signal processing apparatus prompts the signal generator to modify the drive signal.

No. of Pages: 40 No. of Claims: 18

(21) Application No.5753/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PAPER SHEET STACKING AND RECYCLING DEVICE AND PAPER SHEET PROCESSING APPARATUS HAVING SAME

:G07D11/00,B65H29/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :201110265861.9 (32) Priority Date :08/09/2011 (33) Name of priority country :China

(86) International Application No :PCT/CN2012/078402

Filing Date :10/07/2012

(87) International Publication No :WO 2013/034026

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date

1)GRG BANKING EOUIPMENT CO. LTD.

Address of Applicant: 9 Kelin Road Science City Luogang

District Guangzhou Guangdong 510663 China

(72)Name of Inventor: 1)HUANG Shaohai 2)LIU Dongbo

#### (57) Abstract:

A paper sheet stacking and recycling device (5) and a paper sheet processing apparatus having same. The device comprises: a paper sheet conveying and stacking mechanism (51) located in front of a paper sheet discharging port and used for conveying the discharged paper sheets to a preset position one by one and stacking; a paper sheet discharging mechanism located at the front end of the paper sheet conveying and stacking mechanism and used for discharging the stacked paper sheets in stack; and a paper sheet recycling mechanism (52) located at the front end of a paper sheet storage container (23) and used for recycling the stacked paper sheets in stack. A paper sheet processing apparatus having the foregoing device is capable of avoiding secondary separation of single paper sheets and more deflection after the paper sheets pass through a device for tilt correction and the like so as to reduce the occurrence probability of faults such as blocking.

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

(21) Application No.5686/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: MULTIFUNCTIONAL ADDITIVES IN ENGINEERING THERMOPLASTICS

(51) International classification (31) Priority Document No. (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:17/12/2009 :U.S.A. :PCT/US2010/060730 :16/12/2010 :WO 2011/084583 A1 :NA :NA	(71)Name of Applicant:  1)CYTEC TECHNOLOGY CORP.  Address of Applicant: 300 DELAWARE AVENUE, WILMINGTON, DE 19801 U.S.A. (72)Name of Inventor:  1)MCGRAIL, PATRICK, TERENCE 2)CROSS, PAUL, MARK 3)PRICE, RICHARD, THOMAS 4)PONSOLLE, DOMINIQUE
. ,	:NA :NA	

# (57) Abstract:

A toughening agent for use in making composites comprises an epoxy curing agent and a thermoplastic. Compositions, composites that comprise the toughening agent and associated methods of making and using the toughening agent are also disclosed.

No. of Pages: 48 No. of Claims: 20

(21) Application No.5771/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: ROLL BLADE COATING METHOD AND ROLL BLADE COATING APPARATUS

(51) International classification :B05D1/28,B05C11/04 (71)Name of Applicant : (31) Priority Document No :2010-174954 (32) Priority Date :04/08/2010 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/067923 Filing Date :29/07/2011

(87) International Publication No :WO 2012/018103 A1

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)Ricoh Company Ltd.

Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku

Tokyo 1438555 Japan (72) Name of Inventor:

1)HANAI Shuii 2)NAKAZAWA Satoshi 3)NAGASAWA Nobuyuki 4)HARA Tetsuya

#### (57) Abstract:

A roll blade coating method including transferring an excessive amount of a coating liquid onto a continuously running web and adjusting the excessive amount of the coating liquid to a desired adhesion amount with a roll blade wherein the roll blade is held by a holding member for holding the roll blade wherein the holding member is pressed by a plurality of air cylinders each configured to press the holding member wherein the air cylinders are arranged in a side of the holding member which side is opposite to a side where the holding member holds the roll blade and wherein the air cylinders can separately be adjusted in air pressure.

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

(19) INDIA

(22) Date of filing of Application :02/07/2012

(21) Application No.5772/CHENP/2012 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: PROCESS FOR PRODUCTION OF SPHERICAL FURFURYL ALCOHOL RESIN PARTICLES SPHERICAL FURFURYL ALCOHOL RESIN PARTICLES PRODUCED THEREBY AND SPHERICAL CARBON PARTICLES AND SPHERICAL ACTIVE CARBON PARTICLES OBTAINED USING SAME

(51) International :C08G61/12,C08G65/34,C08J3/12 classification

(31) Priority Document No :2010-019946 (32) Priority Date :01/02/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2010/066065

:16/09/2010 Filing Date

(87) International Publication :WO 2011/092888 A1 No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)ASAHI ORGANIC CHEMICALS INDUSTRY CO.

LTD.

Address of Applicant: 5955 Nakanose cho 2 chome Nobeoka

shi Miyazaki 8828688 Japan (72)Name of Inventor:

1)MATSUMOTO Yasuhiro

#### (57) Abstract:

Provided is a process for advantageously producing spherical particles of furfuryl alcohol resin without irradiating the reaction system with ultrasonic waves and without using a harmful aldehyde as a starting material. In the process, furfuryl alcohol is subjected to resinification and curing to form spherical fine particles of furfuryl alcohol resin. More specifically, the furfuryl alcohol is subjected to a self-condensation with an acid catalyst having a pKa of less than 1.5 in the presence of a protective colloid and then heated for curing to form spherical particles of furfuryl alcohol resin.

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

(22) Date of filing of Application :02/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MUTANT ENZYME AND APPLICATION THEREOF

(51) International classification :C12N15/00,C12N1/15,C12N1/19

(31) Priority Document No :2009-277096 (32) Priority Date :05/12/2009

(33) Name of priority country: Japan

(86) International Application :PCT/JP2010/070761

Filing Date

(87) International Publication :WO 2011/068050 A1

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
Filing Date
:NA

NA

(71)Name of Applicant: 1)AMANO ENZYME INC.

Address of Applicant :2 7 Nishiki 1 chome Naka ku Nagoya

shi Aichi 4608630 Japan (72)Name of Inventor: 1)NISHIO Kvoichi

2)KOIKEDA Satoshi

(57) Abstract:

An object is to provide a novel enzyme that exhibits glucose dehydrogenase activity. Furthermore, another object is to provide a novel method pertaining to enzyme modification. Provided is a mutated enzyme containing an amino acid sequence wherein one or at least two amino acids selected from the group consisting of (1) to (13) are substituted with another amino acid in the amino acid sequence of a microorganism-derived glucose oxidase: (1) the amino acid corresponding to the amino acid at position 115 of the amino acid sequence of SEQ ID NO: 1; (2) the amino acid corresponding to the amino acid at position 131 of the amino acid sequence of SEQ ID NO: 1; (3) the amino acid corresponding to the amino acid at position 132 of the amino acid sequence of SEQ ID NO: 1; (4) the amino acid corresponding to the amino acid at position 193 of the amino acid sequence of SEQ ID NO: 1; (6) the amino acid corresponding to the amino acid at position 353 of the amino acid sequence of SEQ ID NO: 1; (6) the amino acid corresponding to the amino acid at position 446 of the amino acid sequence of SEQ ID NO: 1; (8) the amino acid corresponding to the amino acid at position 472 of the amino acid sequence of SEQ ID NO: 1; (9) the amino acid corresponding to the amino acid at position 511 of the amino acid sequence of SEQ ID NO: 1; (10) the amino acid corresponding to the amino acid at position 535 of the amino acid sequence of SEQ ID NO: 1; (11) the amino acid corresponding to the amino acid sequence of SEQ ID NO: 1; (12) the amino acid corresponding to the amino acid at position 582 of the amino acid sequence of SEQ ID NO: 1; and (13) the amino acid corresponding to the amino acid at position 583 of the amino acid sequence of SEO ID NO: 1.

No. of Pages: 67 No. of Claims: 27

(21) Application No.3583/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RE-LUBRICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16C33/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)AKTIEBOLAGET SKF Address of Applicant: 415 50 GOTENORG Sweden (72)Name of Inventor:  1)GAJULABALIJA RANGA BABU 2)VIJAY TIJARE
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# (57) Abstract:

A re-lubrication system is disclosed. In one example embodiment, a bearing housing suitable includes a housing base and a housing cap. The housing cap includes an interior surface and an exterior surface. The exterior surface has an inlet adapted to receive a lubricant nipple from the outside. The inlet has an opening through the interior surface of the housing cap which is coupled to a lubricant slot on the interior surface that extends on both sides along a width of a bearing intended to be placed in the bearing housing. The lubricant slot together with an outer ring of the bearing forms a channel from the opening for flow of lubricant inside the bearing housing.

No. of Pages: 21 No. of Claims: 5

(21) Application No.5420/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :09/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: SELF ALIGNING TERMINATION FOR MEMORY ALLOY WIRE

: A47F1/00, G07F11/00, G06F17/00 (71) Name of Applicant : (51) International classification

(31) Priority Document No :13/012736 (32) Priority Date :24/01/2011

(33) Name of priority country: U.S.A. (86) International Application :PCT/US2012/022245

:23/01/2012 Filing Date

(87) International Publication :WO 2012/103022 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) CAREFUSION 303 INC.

Address of Applicant :3750 Torrey Valley Court San Diego

California 92129 U.S.A. (72) Name of Inventor:

1)WEBER Frank Dean 2)RUYTEN Henricus Mari 3)KMETIKO Thomas

#### (57) Abstract:

A self aligning memory alloy wire actuator has a memory alloy wire having first and second ends with at least one terminal coupled to one end of the memory alloy wire. The terminal includes two wings and an extended piece connected in the shape of a T. The two wings are disposed on opposite sides of the extended piece and perpendicular to the extended piece. Each wing comprises top and bottom surfaces a front surface and an outside end. The top surfaces of the two wings lie on a common top plane and the front surfaces of the two wings lie on a common front plane. The memory alloy wire is coupled to the extended piece of the terminal.

No. of Pages: 34 No. of Claims: 20

(21) Application No.5523/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR PERFORMING CARRIER SWITCHING OPERATION FOR E-MBS SERVICE IN MULTICARRIER SYSTEM

(51) International :H04J11/00,H04B7/26,H04W4/06 classification

(31) Priority Document No :61/294,115

(32) Priority Date :12/01/2010(33) Name of priority country :U.S.A.

(86) International Application :PCT/KR2011/000212

No :12/01/2011 Filing Date

(87) International Publication

(87) International Publication :WO 2011/087269 A2

(61) Patent of Addition to
Application Number
Filing Date

(62) Divisional to Application

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)LG ELECTRONICS INC.

Address of Applicant :20 YEOUIDO-DONG,

YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea

(72)Name of Inventor:

1)KIM, JEONGKI 2)RYU, KISEON

3)YUK, YOUNGSOO

# (57) Abstract:

Disclosed is a method for performing a carrier switching operation in the perspective of a terminal in a multicarrier system, the method including establishing an enhanced-multicast broadcast service (E-MBS) service connection with a base station for E-MBS service reception, sending an E-MBS report message to the base station in the E-MBS service connected state with the base station, the E-MBS report message including connection information related to E-MBS channels, which the terminal is receiving or E-MBS channels, which the terminal intends to receive, receiving an E-MBS response- message from the base station in response to the E-MBS report message, and performing a carrier switching operation for the E-MBS service reception based upon unicast available interval information included in the E-MBS response message.

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

(21) Application No.5689/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TEAR SUBSTITUTES

(51) International classification	:A61K38/17,A61P27/04	(71)Name of Applicant:
(31) Priority Document No	:61/425524	1)RECOPHARMA AB
(32) Priority Date	:21/12/2010	Address of Applicant :Novum plan 7 Halsovagen 7 SE 141
(33) Name of priority country	:U.S.A.	57 Huddinge Sweden
(86) International Application No	:PCT/EP2011/073710	(72)Name of Inventor:
Filing Date	:21/12/2011	1)HOLGERSSON Jan
(87) International Publication No	:WO 2012/085165	2)NILSSON Anki
(61) Patent of Addition to Application	.NI A	3)CHATZISSAVIDOU Nathalie
Number	:NA	4)JOHANSSON Tomas
Filing Date	:NA	

(57) Abstract:

Filing Date

The invention features ophthalmic formulations of mucin polypeptides to treat or prevent dry eye.

:NA

No. of Pages: 43 No. of Claims: 12

(62) Divisional to Application Number :NA

(22) Date of filing of Application :02/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: COLD ROLLED STEEL SHEET HAVING EXCELLENT FORMABILITY AND SHAPE FIXABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International :C22C38/12,C21D8/02,C21D9/46

classification (31) Priority Document No :2010-006963 (32) Priority Date :15/01/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/050587

No :07/01/2011 Filing Date

(87) International Publication :WO 2011/087108 A1

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

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1)KIZU Taro

2)TAKAJO Shigehiro

3)FUJITA Koichiro 4)YASUHARA Eiko

5)HANAZAWA Kazuhiro

6)KUMAGAI Masatoshi

7)TAHARA Kenji 8)KOGA Hideharu

### (57) Abstract:

A cold rolled steel sheet having excellent formability and shape fixability and a method for manufacturing the same are provided. A cold rolled steel sheet includes a composition containing, on a percent by mass basis, C: 0.0010% to 0.0030%, Si: 0.05% or less, Mn: 0.1% to 0.5%, P: 0.05% or less, S: 0.02% or less, Al: 0.02% to 0.10%, N: 0.0010% to 0.0050%, and Nb: 0.010% to 0.035%, the Al content and the N content satisfy the following formula (1), and the remainder is Fe and inevitable impurities. In addition, the cold rolled steel sheet has a texture primarily containing ferrite grains having an average grain diameter of 8 to 20 µm, and an area rate of ferrite grains within 15° from {211} in the sheet surface is set to 50% or more of the texture. [%A1]/[%N]>10 \(1) In the formula, [%M] indicates the content of an M element (percent by mass).

No. of Pages: 35 No. of Claims: 3

(19) INDIA

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

(21) Application No.5513/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: HIGH SOLID ADHESIVE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:14/06/2012 :WO 2012/173182 :NA :NA :NA	(71)Name of Applicant:  1)DIC Graphics Corporation Address of Applicant: 7 20 Nihonbashi 3 chome Chuo ku Tokyo 1038233 Japan (72)Name of Inventor: 1)KIMURA Ryouji 2)OSANAI Kiyoshi 3)HAMASUNA Yutaka
Filing Date	:NA	

#### (57) Abstract:

The present invention addresses the problem of providing a two pack curable adhesive composition for laminating which can be applied even when having a nonvolatile content of 50 mass% or higher and which has excellent laminating properties. The adhesive composition causes no problem of delamination etc. when the laminate is subjected to high temperature sterilization such as boiling or retortion. The two pack curable adhesive composition for laminating comprises a polyester polyol ingredient as the main component and a polyisocyanate ingredient as a hardener and is characterized in that the polyester polyol ingredient as the main component was obtained using a polycarboxylic acid or polycarboxylic acid anhydride that contained aromatic rings derived from the orthophthalic acid or phthalic anhydride (OPA) used as a starting material in an amount of 2.0 mmol or more per g of the solid matter and that the polyester polyol as the main component has a number average molecular weight of 4 000 or lower.

No. of Pages: 30 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :23/01/2013

(21) Application No.572/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR A PARA VIRTUALIZED DRIVER IN A MULTI CORE VIRTUAL PACKET ENGINE DEVICE

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No Filing Date
:H04L29/08,G06F9/54
:61/371309
:06/08/2010
:U.S.A.
:PCT/US2011/046776
:05/08/2011

(87) International Publication No :WO 2012/019114 (61) Patent of Addition to Application

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA
:NA
:NA
:NA
:NA

:H04L29/08,G06F9/54 (71)Name of Applicant : :61/371309 1)CITRIX SYSTEMS INC.

Address of Applicant :851 West Cypress Creek Road Fort

Lauderdale FL 33309 U.S.A. (72)Name of Inventor: 1)GOEL Deepak

#### (57) Abstract:

The present invention is directed towards methods and systems for communicating packets between network interface hardware of a multi core device and a plurality of virtualized packet processors executed by one or more cores of the multi core device. A first virtualization domain on the device may receive (1201) a packet via the network interface hardware. The first virtualization domain may comprise a privileged domain having access to the hardware. The system may communicate (1203) the packet to a queue for a virtualized packet processor from a plurality of virtualized packet processors and executing within a second virtualization domain on a core. The second virtualization domain may not have direct access to the network interface hardware. The packet processor may determine (1205) that the queue includes a difference between a number of packets read from and written to the queue. The packet processor may process (1207) the packet from the queue responsive to the determination.

No. of Pages: 179 No. of Claims: 20

(21) Application No.5824/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR PRODUCING ORGANIC COMPOUNDS VIA FERMENTATION OF BIOMASS AND ZEOLITE CATALYSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:10196776.8 :23/12/2010 :EPO :PCT/EP2011/073963 :23/12/2011	(71)Name of Applicant:  1)CLARIANT PRODUKTE (DEUTSCHLAND) GMBH Address of Applicant: Br1/4ningstrasse 50 65929 Frankfurt/Main Germany (72)Name of Inventor: 1)ZAVREL Michael 2)FRANKE Oliver
<ul> <li>(87) International Publication No.</li> <li>(61) Patent of Addition to</li> <li>Application Number     <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number     <ul> <li>Filing Date</li> </ul> </li> </ul>	o:WO 2012/085275 :NA :NA :NA :NA	3)RICHTER Oliver 4)KRAUS Michael

### (57) Abstract:

The invention relates to a method for obtaining organic compounds from biomass wherein the steps of gas stripping adsorption from the gas phase and catalytic reaction are coordinated with each other. The method according to the invention preferably comprises the steps of fermentation gas stripping adsorption desorption catalytic reaction condensation and decantation which can proceed in parallel. The invention further relates to the coupling of adsorption desorption and catalytic reaction by using the same zeolite material for adsorption and catalytic reaction.

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

(21) Application No.5825/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: CYAA CARRIED POLYPEPTIDE(S) AND USE TO INDUCE BOTH THERAPEUTIC AND PROPHYLACTIC IMMUNE RESPONSES

(51) International :A61K39/12,C07K14/235,C07K14/025 classification (31) Priority Document :11305069.4 No (32) Priority Date :24/01/2011 (33) Name of priority :EPO country (86) International :PCT/EP2012/051027 Application No :24/01/2012 Filing Date

(87) International

:WO 2012/101112 A1 Publication No

(61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)GENTICEL

Address of Applicant :Rue Pierre et Marie Curie Prologue

Biotech BP28262 F 31670 Lab ge France

(72)Name of Inventor: 1)ESOUERR‰ Michael 2)MOMOT Marie 3)GOUBIER Anne 4)MISSERI Yolande

#### (57) Abstract:

The invention is directed to means based on CyaA carried polypeptide(s) for use in the immunotherapeutic treatment of first determined pathological condition(s) diagnosed in a mammalian host by eliciting a T cell immune response against a first group of epitopes contained in said polypeptide(s) and in the prophylaxis against second determined pathological condition(s) in the same mammalian host by eliciting a T cell memory immune response against a second group of epitopes contained in said polypeptide(s) said immune responses being obtained after administration of said vector carried polypeptide(s) into said host wherein said prophylaxis against second determined pathological condition(s) is not observed when said second group of epitopes is not contained in said administered vector carried polypeptide(s).

No. of Pages: 74 No. of Claims: 22

(21) Application No.5468/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: WHITE COHERENT LASER LIGHT LAUNCHED INTO NANO FIBERS FOR SURGICAL **ILLUMINATION**

(51) International classification :A61B18/28,A61F9/008 (71)Name of Applicant : (31) Priority Document No :61/440568 (32) Priority Date :08/02/2011 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/066737

Filing Date :22/12/2011 (87) International Publication No :WO 2012/108942

(61) Patent of Addition to Application :NA Number

:NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)ALCON RESEARCH LTD.

Address of Applicant :IP Legal Mail Code TB4 8 6201

South Freeway Fort Worth Texas 76134 U.S.A.

(72)Name of Inventor: 1)HORVATH Christopher 2)PAPAC Michael J. 3)ROMODA Laszlo 4)SMTIH Ronald T.

5)YADLOWSKY Michael J.

#### (57) Abstract:

Disclosed is an exemplary surgical illumination system that includes a first laser configured to emit a first light beam having a first spectral range and an illumination probe optically connectable to the first laser. The first laser may be configured as a supercontinuum laser. The surgical illumination system may include a second laser configured to emit a second light beam having a second spectral range and a beam combiner for combing the first and second laser beams to form a third laser beam having a spectral range of the first and second lasers. The illumination probe includes a fiber optic cable for delivering at least a portion of the first light beam to a surgical site. The fiber optic cable includes a fiber optic core having a diameter of 100 microns or less.

No. of Pages: 16 No. of Claims: 21

(21) Application No.5845/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/07/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: MEASURING NEEDLE WITH NON RETURN VALVE FUNCTION

(51) International :G01L19/00,F16K1/00,F16L29/02 classification

(31) Priority Document No :1000215-2 :08/03/2010 (32) Priority Date (33) Name of priority country: Sweden

(86) International Application :PCT/SE2011/000011

:25/01/2011

Filing Date

(87) International Publication :WO 2011/112133 A1

No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant: 1)TA HYDRONICS AB

Address of Applicant :S-524 80 Ljung Sweden

(72)Name of Inventor: 1)JILDEROS Daniel

#### (57) Abstract:

A device for measuring of pressure or temperature in a heating or cooling system and where the device is a measuring needle complete (1) build up of a measuring needle housing (6) with one in a cavity (20) spring loaded non return valve (8) where the non return valve in measuring position has an open communication from the probe (10) via the measuring needle housing and a hose nipple via a hose to a measuring instrument and where this open communication is closed immediately as soon as the measuring is completed and the measuring needle (1) is removed from the measuring nipple and by this immediate closing a leakage is prevented from the after measuring enclosed fluid that exists in the complete measuring needle (1) and the measuring hose (5).

No. of Pages: 15 No. of Claims: 11

(22) Date of filing of Application :04/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR POLICY BASED TRANSPARENT CLIENT IP PROSECUTION

(51) International classification :H04L12/28,H04L29/06 (71)Name of Applicant : 1)CITRIX SYSTEMS INC. (31) Priority Document No :12/645833 Address of Applicant: 851 West Cypress Creek Road Fort (32) Priority Date :23/12/2009 Lauderdale Florida 33309 U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: :PCT/US2010/061639 (86) International Application No 1)CHOUDHARY Akshat Filing Date :21/12/2010 (87) International Publication No :WO 2011/079146 A3 2)MYLARAPPA Mahesh (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The present disclosure presents systems and methods for maintaining an original source IP address of a request by an intermediary network device despite the source IP address being modified by a cache server during an unfulfilled cache request. An intermediary receives a request from a client to access a destination server via a first transport layer connection. The client request identifies the client s IP address as a source IP address. The intermediary transmits to a cache server via a second transport layer connection the client request as a second request modified to include the client IP address of the first request in a header. The intermediary device receives via a third connection the second request as a third request from the cache server. The intermediary device obtains the client IP address from the header of the third request and transmits to the server identified in the first request the third request as a fourth request identifying the client IP address as the source IP address.

No. of Pages: 130 No. of Claims: 20

(21) Application No.5848/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/07/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD OF TESTING A SPUR SHORT CIRCUIT PROTECTION SYSTEM AND DIAGNOSTIC DEVICE FOR PERFORMING THE METHOD

(51) International :H02H9/00,G01R31/28,G05B9/02

classification

(31) Priority Document No :1001867.9 :05/02/2010 (32) Priority Date (33) Name of priority country: U.K.

(86) International Application :PCT/GB2011/000152 No

:04/02/2011 Filing Date

(87) International Publication :WO 2011/095782

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)PEPPERL + FUCHS GMBH

Address of Applicant : Konigsberger Allee 87 68307

Mannheim Germany (72)Name of Inventor: 1)KITCHENER Renato 2)ROGOLL Gunther

### (57) Abstract:

A method of testing a short circuit protection system applied to a spur of an electric circuit in which the short circuit protection system comprises a current limiting means which applies a current limit to said spur if the current thereon exceeds a spur current trip level in which the electric circuit comprises a power supply and an isolation means adapted to fully or partially isolate the power supply from the electric circuit if the current thereon exceeds a power supply trip level for longer than a deadband period in which said method comprises the following steps: i) applying a test current demand to said short circuit protection system which has a current and duration sufficient for said spur current trip level to be exceeded but a current insufficient for said power supply trip level to be exceeded and/or a duration insufficient to exceed said deadband period ii) detecting if the current limiting means applies said current limit or not during said test current demand.

No. of Pages: 26 No. of Claims: 24

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: USE OF FORMULATIONS HAVING INSECTICIDAL ACTIVITY

# (57) Abstract:

Use of formulations comprising polyurea microcapsules ob tainable by interfacial polymerization of diphenylmethylen-4,4-diisocyanate (MDI), optionally in admixture with polymethylenepolyphenylisocyanate (PAPI), said formulations having a prolonged knockdown and killing effect longer than at least 3 months, preferably at least of 6 months, still more preferably at least of 9 months from the application, wherein the microcapsules comprise: an active principle selected from the pyrethroid and/or neonicotinoid classes, synergizing agents selected between PBO and Verbutin, the concentration of the active principle in the microcapsule as % by weight on the total of the microcapsule is comprised between 1% and 60% the average diameter of the microcapsules is comprised between 2 and 50 µm.

No. of Pages: 53 No. of Claims: 23

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR POLICY BASED INTEGRATION TO HORIZONTALLY DEPLOYED WAN OPTIMIZATION APPLIANCES

(51) International classification :H04L29/06,H04L29/08 (71)Name of Applicant : (31) Priority Document No 1)CITRIX SYSTEMS INC. :61/428022 (32) Priority Date Address of Applicant: 851 West Cypress Creek Road Fort :29/12/2010 Lauderdale FL 33309 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/067381 (72)Name of Inventor: Filing Date :27/12/2011 1)AGARWAL Mugdha (87) International Publication No :WO 2012/092269 2)CHOUDHARY Akshat (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present disclosure presents systems and methods for policy based redirection of network traffic by an intermediary device to a horizontally deployed WAN device. An intermediary receives a request from a client to access a server. The request was previously modified by a first WAN device to include information in a first option field of a transport layer. The intermediary may determine responsive to a redirection policy to send the request to a second WAN optimization device deployed horizontally from the intermediary instead of the server. The intermediary transmits the request to the second WAN optimization device while maintaining the information from the first option field. The intermediary device receives the request including the information in the first option field identifying the first WAN optimization device to the second WAN optimization device. The intermediary receives a modified request from the second WAN device the modified request determined by the intermediary to be sent to the destination server.

No. of Pages: 142 No. of Claims: 20

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR POLICY BASED ROUTING FOR MULTIPLE NEXT HOPS

(51) International classification	:H04L12/56	(71)Name of Applicant:
(31) Priority Document No	:61/427692	1)CITRIX SYSTEMS INC.
(32) Priority Date	:28/12/2010	Address of Applicant :851 West Cypress Creek Road Fort
(33) Name of priority country	:U.S.A.	Lauderdale FL 33309 U.S.A.
(86) International Application No	:PCT/US2011/067372	(72)Name of Inventor:
Filing Date	:27/12/2011	1)GOEL Deepak
(87) International Publication No	:WO 2012/092263	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present application is directed towards policy based routing for intelligent traffic management via multiple next hops. In some embodiments the systems and methods disclosed herein may provide management of inbound and outbound traffic across multiple network links and may further provide reliability in case of link failure and provide balancing of traffic responsive to the latency and bandwidth requirements of various applications. Accordingly these systems and methods may provide intelligent policy based routing and network and port address translation sensitive to application traffic types protocols source IP addresses and ports destination IP addresses and ports or any combination thereof and can balance traffic loads among multiple available paths based on multiple traffic characteristics. The routing may performed on a packet by packet basis a transaction by transaction basis or a session by session basis and the systems and methods may include capabilities for application aware health monitoring of available network paths.

No. of Pages: 139 No. of Claims: 20

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR DATABASE PROXY REQUEST SWITCHING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:G06F17/30 :61/427696 :28/12/2010 :U.S.A. :PCT/US2011/065241 :15/12/2011 :WO 2012/091948	(71)Name of Applicant: 1)CITRIX SYSTEMS INC. Address of Applicant: 4988 Great America Parkway Santa Clara California 95054 U.S.A. (72)Name of Inventor: 1)CHOUDHARY Akshat 2)RAMACHANDRA Pratap
<ul> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract:

The present application is directed towards systems and methods for selecting a database from a plurality of databases to forward a SQL query request based on a property of the SQL request. A device intermediary to a plurality of clients and databases may establish a plurality of connections to the plurality of databases. The device may receive from a client of the plurality of clients a request to execute a SQL query. The device may evaluate one or more properties of the request to execute the SQL query responsive to a policy. The device may select a database from the plurality of databases based on a result of evaluation of the one or more properties of the request to execute the SQL query. The device may forward the request to execute the SQL query to the selected database via a connection of the plurality of connections.

No. of Pages: 230 No. of Claims: 20

(19) INDIA

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

(21) Application No.5601/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: BLOCKSTENT DEVICE AND METHODS OF USE

:NA

(51) International classification :A61F2/06 (31) Priority Document No :61/433305 (32) Priority Date :17/01/2011 (33) Name of priority country :U.S.A.

(86) International Application No

Filing Date :17/01/2012 (87) International Publication No :WO 2012/099704

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date

(71)Name of Applicant:

1)NOVITA THERAPEUTICS LLC

Address of Applicant :10900 S. Clav Blair Blvd. Suite 200

Olathe KS 66061 U.S.A. :PCT/US2012/000030 (72)Name of Inventor : 1)FRANANO F. Nicholas

2)STEPHENSON Katherine

#### (57) Abstract:

What is disclosed is a medical device comprising a compressed cylindrical or oblong thin walled expandable metal structure (a blockstent) and a flexible elongated device (a delivery catheter) to position the compressed blockstent into the lumen of a blood vessel segment to be treated and methods of use for occlusion of treated blood vessel segments. A blockstent can be made with ductile metals such as gold platinum or silver such that the blockstent will conform to the shape of the lumen of the treated blood vessel segment during expansion and allow for the shape of the blockstent to be permanently changed by the application of an external force. The surface of the blockstent can be configured to promote local thrombus on the external surface of the blockstent and to promote the growth of tissue into the wall of the blockstent in order to occlude the treated blood vessel and fix the blockstent in place. The wall of the blockstent can also be configured to release drugs or pharmacologically active molecules such as those that promote thrombosis cell proliferation extracellular matrix deposition to promote this thrombus formation and tissue growth.

No. of Pages: 111 No. of Claims: 342

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR DETERMINING ALUMINA PROPERTIES

classification (31) Priority Document No: (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to	:31/01/2011 :U.S.A. :PCT/US2012/023241 :31/01/2012 :WO 2012/106291 :NA	(71)Name of Applicant:  1)ALCOA INC.  Address of Applicant: Alcoa Corporate Center 201 Isabella Street Pittsburgh Pennsylvania 15212 5858 U.S.A. (72)Name of Inventor:  1)TESSIER Jayson 2)TARCY Gary P. 3)BATISTA Eliezer 4)WANG Xiangwen
Application Number	:NA :NA	

#### (57) Abstract:

Systems methods and apparatus relating to evaluation of alumina feedstocks are disclosed. A system may include an alumina storage unit comprising an alumina feedstock an alumina supply member in communication with the alumina storage unit and an aluminum electrolysis cell. The alumina feedstock of the alumina storage unit may periodically flow through the alumina supply member and to the aluminum electrolysis cell. A measurement device may be in communication with the alumina supply member and may be configured to measure a supply member property and transmit a first signal to a processor. The processor may be configured to receive the first signal and produce supply member property data based at least in part on the first signal.

No. of Pages: 30 No. of Claims: 20

(21) Application No.570/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :11/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: EXPANSION COMPRESSION LOCKING BOLT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B17/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)PUTHEN VEETTIL SHYAM PRASAD  Address of Applicant: VAISHAKH MADATHIL MUKKU, ZEALOTS CASTLE ROCK, CHEVAYOOR PO, KOZHIKODE, PIN - 673 017 Kerala India (72)Name of Inventor:  1)PUTHEN VEETTIL SHYAM PRASAD
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# (57) Abstract:

An implant system for the fixation of fractures of shaft of long bones is disclosed. This device is an intra medullary compression device consisting of a Self tapping bolt (fig: 1) fitted proximal to fracture site and an Expansion bolt (fig:2)fitted distal to fracture site. Axial compression and rotational stability are provided by a Compression screw (fig: 3) with minimal surgical exposure, minimal man power and less radiation exposure. By using this device, adequate compression stability and rotational stability can be given at fracture site with promotion of early weight bearing and better chances of fracture healing.

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

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :22/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A SYSTEM AND METHOD FOR GENERATING INDICES TO QUANTIFY OPERATING TRANSITION PERFORMANCE OF A CONTINUOUS PROCESS

(51) International (71)Name of Applicant: :G05B23/02,G05B19/418,D21G9/00 1)ABB Technology AG classification (31) Priority Document No :13/015,705 Address of Applicant: Affolternstrasse 44 CH 8050 Zurich (32) Priority Date :28/01/2011 Switzerland (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)MURPHY Timothy F. 2)STARR Kevin (86) International :PCT/US2012/022629 Application No 3)MAST Timothy A. :26/01/2012 Filing Date (87) International :WO 2012/103270 A1 Publication No (61) Patent of Addition to :NA **Application Number** 

#### (57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

A system and method for generating indices to quantify operating transition performance of a continuous process such as a sheet forming process includes a computer system that is configured to generate a normalized overall transition performance index. The overall transition performance index is formed from a plurality of individual parameter indices associated with specific production components or portions of the process line. As such the individual parameter indices allow a user of the system to readily identify the particular portion of the continuous process line that is performing below desired levels. In addition because the overall transition performance index is normalized it enables comparison of the operating transition performance of multiple process lines.

No. of Pages: 24 No. of Claims: 29

(21) Application No.5511/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR DISPLAYING CONTENT ON MULTIPLE NETWORKED DEVICES WITH A SIMPLE COMMAND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:G06F3/00 :61/429097 :31/12/2010 :U.S.A.	(71)Name of Applicant: 1)eBay Inc. Address of Applicant: 2065 Hamilton Avenue San Jose California 95125 U.S.A.
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(22) Divisional to Application Number</li> </ul>	:29/12/2011 :WO 2012/092506 :NA :NA	(72)Name of Inventor: 1)HOSEIN Marc Peter 2)YANKOVICH Steve
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for displaying content displayed on one or more first devices on a second device is provided. The method includes receiving a request to display content currently displayed on a first device on a second device the request including a gesture made on a screen of the first device and pairing the first device to the second device. The method further includes transmitting instructions to the second device to display the content currently displayed on the first device and transmitting the content currently displayed on the first device to the second device for display thereon.

No. of Pages: 30 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 13/02/2015

(21) Application No.5512/CHENP/2013 A

# (54) Title of the invention : METHOD AND SYSTEM FOR ENERGY EFFICIENCY AND SUSTAINABILITY MANAGEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:04/01/2012 :WO 2012/094373 :NA :NA	(71)Name of Applicant:  1)ZIK ENERGY POINTS INC.  Address of Applicant: 225 Franklin Street 26th Floor Boston MA 02110 U.S.A. (72)Name of Inventor:  1)ZIK Ory
(62) Divisional to Application Number Filing Date	:NA :NA	
(57) Abstract:		

# (57) Abstract:

A system and method for sustainability management of energy consumption of a selected resource including a memory and a processor to calculate a global sustainability quantification value. The global sustainability quantification value may be a resultant quantity of the selected resource which may be produced by exploitation of a predetermined quantity of a predetermined second resource.

No. of Pages: 185 No. of Claims: 40

(21) Application No.571/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: A PLANT HEAT RESISTANCE GENE JAZ5A AND USE THEREOF

(51) International classification :C07K14/415,C12N15/82 (71)Name of Applicant :

(31) Priority Document No :201010222842.3 (32) Priority Date :08/07/2010

(33) Name of priority country :China

(86) International Application No :PCT/NL2011/050499 Filing Date :07/07/2011

(87) International Publication No :WO 2012/005591

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number: NA Filing Date :NA

1)SHANGHAI INSTITUTES FOR BIOLOGICAL SCIENCES CHINESE ACADEMY OF SCIENCES

Address of Applicant :320 Yue Yang Road Shanghai 200031

China

(72)Name of Inventor:

1)HE Yu Ke 2)SUN Chuan Bao

#### (57) Abstract:

The present invention provides a heat resistance plant gene and use thereof. The inventors of the present invention isolated for the first time a heat resistance gene from the plant of . which can greatly improve the heat resistance ability of the plant especially in the bolting stage. The present invention further provides a protein encoded by said gene and its preparation method vectors and host cells containing said gene and a method for preparing a transgenic plant containing said gene.

No. of Pages: 42 No. of Claims: 23

(21) Application No.5710/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ZROX, CE-ZROX, CE-ZR-REOX AS HOST MATRICES FOR REDOX ACTIVE CATIONS FOR LOW TEMPERATURE, HYDROTHERMALLY DURABLE AND POISON RESISTANT SCR CATALYSTS

 $: B01J21/06, B01D53/86, B01D53/94 \bigg| \textbf{(71)} \textbf{Name of Applicant:} \\$ (51) International classification (31) Priority Document No :12/732,819 (32) Priority Date :26/03/2010 (33) Name of priority :U.S.A. country (86) International :PCT/EP2011/001354 Application No :19/03/2011 Filing Date (87) International :WO 2011/116907 A2 Publication No (61) Patent of Addition to

:NA

:NA

:NA

:NA

1)UMICORE AG & CO. KG

Address of Applicant : RODENBACHER CHAUSSEE 4,

63457 HANAU-WOLFGANG Germany

(72)Name of Inventor:

1)SOUTHWARD, BARRY, W., L.

2) NUNAN, JOHN, G.

**Application Number** 

Filing Date (62) Divisional to

**Application Number** 

Filing Date

The present invention relates to application of catalysts for the Selective Catalytic Reduction of oxides of Nitrogen using Ncontaining reductant. The catalysts are characterised as phase pure lattice oxide materials into which catalytically active cations are incorporated at high levels of dispersion such that conventional analysis reveals a highly phase pure material. The materials are further characterised by high activity, hydro-thermal durability and poison tolerance in the intended application.

No. of Pages: 77 No. of Claims: 16

<sup>(57)</sup> Abstract:

(22) Date of filing of Application :29/06/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTERNAL COMBUSTION ENGINE CONTROL FOR IMPROVED FUEL EFFICIENCY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:11/01/2011 :WO 2011/085383 A1 :NA	3)SAHANDIESFANJANI, FARZAD
	:NA :NA :NA :NA	

### (57) Abstract:

A variety of methods and arrangements for improving the fuel efficiency of internal combustion engines are de-scribed. In some aspects, methods and arrangements are described for operating an engine in a throttled skip fire mode. la other aspects, methods and arrangements are described for controlling the operational state of a variable displacement engine.

No. of Pages: 62 No. of Claims: 40

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: NICOTINIC RECEPTOR NON-COMPETITIVE ANTAGONISTS

(71)Name of Applicant: 1)TARGACEPT, INC. (51) International Address of Applicant :200 EAST FIRST STREET, SUITE :C07C211/35,A61K31/13,A61P9/12 300, WINSTON-SALEM, NORTH CAROLINA 27101-4165 classification (31) Priority Document No :61/430,640 U.S.A. (32) Priority Date :07/01/2011 (72)Name of Inventor: (33) Name of priority 1)AKIREDDY, SRINIVASA RAO :U.S.A. country 2)BREINING, SCOTT R. (86) International 3)MELVIN, MATT S. :PCT/US2012/020246 Application No 4)MURTHY, SRINIVASA V. :05/01/2012 Filing Date 5)MAZUROV, ANATOLY A. (87) International 6)BHATTI, BALWINDER SINGH :WO 2012/094437 A3 Publication No 7)STRACHAN, JON-PAUL (61) Patent of Addition to 8) HEEMSTRA, RONALD JOSEPH :NA **Application Number** 9)SHOWALTER, TODD :NA Filing Date 10)XIAO, YUNDE (62) Divisional to 11) HAMMOND, PHILIP S. :NA **Application Number** 12)MIAO, LAN :NA Filing Date 13)KOMBO, DAVID 14) YOHANNES, DANIEL 15)SPEAKE, JASON

#### (57) Abstract:

The present invention relates to compounds that modulate nicotinic receptors as non-competitive antagonists, methods for their synthesis, methods for their use, and their pharmaceutical compositions.

No. of Pages: 49 No. of Claims: 30

(22) Date of filing of Application :02/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TRANSPARENT OBJECT DETECTION SYSTEM AND TRANSPARENT FLAT PLATE DETECTION SYSTEM

(51) International :G01B11/00,G01B11/26,G01N21/90

classification (31) Priority Document No :2010-030238

(32) Priority Date :15/02/2010
(33) Name of priority

country :Japan

(86) International

Application No :PCT/JP2011/052073 :26/01/2011

Filing Date

(87) International Publication No :WO 2011/099404 A1

(61) Patent of Addition to Application Number :NA Filing Date :NA

Filing Date
(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:
1)RICOH COMPANY LTD.

Address of Applicant :3 6 Nakamagome 1 chome Ohta ku

Tokyo 1438555 Japan (72)Name of Inventor: 1)HIRAI Hideaki 2)AOKI Shin

3)KOBAYASHI Masanori

4)LI Xue

#### (57) Abstract:

A disclosed transparent body detection system includes an image acquisition unit acquiring a vertical polarization image and a horizontal polarization image by acquiring an image of a first region the image including a transparent body having characteristics in which a polarization direction of transmission light changes; a placing table on which the transparent body is to be placed; a polarization filter disposed opposite to the image acquisition unit across the placing table and at a position including a second region an image of the second region including at least the transparent body in the first region and being acquired; and an image processing apparatus detecting the transparent body based on distribution of vertical/lateral polarization degree of a vertical/lateral polarization degree image based on the vertical polarization image and the horizontal polarization image.

No. of Pages: 136 No. of Claims: 15

(22) Date of filing of Application :02/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS OF TRANSMITTING AND RECEIVING SYSTEM INFORMATION IN A WIRELESS SYSTEM

(32) Priority Date :04/01 (33) Name of priority country :U.S.A (86) International Application No Filing Date :04/01	92,136 1/2010 1)LG ELECTRONICS INC. Address of Applicant :20 Yeouido dong Yeongdeungpo gu
(62) Divisional to Application Number :NA Filing Date :NA	

# (57) Abstract:

A method and apparatus for transmitting and receiving system information in a wireless communication system are disclosed. A method for receiving system information by a mobile station (MS) of a wireless communication system includes receiving a secondary superframe header (S SFH) change cycle from a base station (BS) and receiving a primary superframe header information element (P SFH IE) including a first field indicating a change count of a plurality of secondary superframe header subpacket information elements (S SFH SP IEs) from the base station (BS). Once each of the plurality of S SFH SP IEs is changed each of the plurality of S SFH SP IEs remains unchanged during one or more S SFH change cycles.

No. of Pages: 51 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :06/07/2012

(21) Application No.5957/CHENP/2012 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: HIGH FREQUENCY SIGNAL LINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H05K1/02 :2010270123 :03/12/2010 :Japan :PCT/JP2011/072648 :30/09/2011 :WO 2012/073591 :NA :NA	(71)Name of Applicant:  1)MURATA MANUFACTURING CO. LTD.  Address of Applicant: 10 1 Higashikotari 1 chome Nagaokakyo shi Kyoto 6178555 Japan (72)Name of Inventor:  1)KATO Noboru
Filing Date	:NA	

#### (57) Abstract:

Provided is a high frequency signal line that can be used even in a curved state with which it is possible to reduce unnecessary radiation and with which it is also possible to minimize the occurrence of reflection of signals within signal wires. A dielectric element (12) is formed by laminating flexible dielectric layers (18). A signal wire (20) is provided to the dielectric element (12). A ground conductor (22) is provided to the dielectric element (12) and forms a ladder shape by alternately providing a plurality of openings (30) and bridge parts (60) along the signal wire (20) and facing the signal wire (20) with a dielectric layer (18) interposed therebetween. The characteristic impedance of the signal line (20) increases in the order minimum value (Z2) intermediate value (Z3) and maximum value (Z1) and subsequently decreases in the order maximum value (Z1) intermediate value (Z3) and minimum value (Z2) between two adjoining bridge parts (60) from one bridge part (60) moving towards the other bridge part (60).

No. of Pages: 99 No. of Claims: 18

(22) Date of filing of Application :06/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR LISTENING POLICIES FOR VIRTUAL SERVERS OF AN APPLIANCE

(51) International (71)Name of Applicant: :H04L12/24,H04L29/06,G06F15/16 1)CITRIX SYSTEMS INC. classification (31) Priority Document No :12/645,889 Address of Applicant: 851 West Cypress Creek Road Fort Lauderdale Florida 33309 U.S.A. (32) Priority Date :23/12/2009 (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)GANDHEWAR Dinesh (86) International 2)SUGANTHI Josephine :PCT/US2010/061650 Application No :21/12/2010 Filing Date (87) International :WO 2011/079149 A2 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

The present invention is directed towards a method for using a listening policy for a virtual server on an intermediary device. An intermediary device establishes for a first virtual server a first listening policy with an expression for evaluating packets received by the intermediary device to determine whether the packet may access the first virtual server. The intermediary device listens for packets at a first internet protocol (IP) address and a first port specified for the first virtual server. Then the intermediary device evaluates the expression of the first listening policy to a first packet received at the first IP address and first port and determines whether to provide the first packet to the first virtual server based on a result of the evaluation.

No. of Pages: 149 No. of Claims: 20

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ELECTROPHOTOGRAPHIC PHOTOCONDUCTOR AND IMAGE FORMING METHOD IMAGE FORMING APPARATUS AND PROCESS CARTRIDGE USING THE ELECTROPHOTOGRAPHIC PHOTOCONDUCTOR

:G03G5/147,G03G5/07 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) Ricoh Company Ltd. :2011010766 (32) Priority Date :21/01/2011 Address of Applicant : 3 6 Nakamagome 1 chome Ohta ku (33) Name of priority country Tokyo 1438555 Japan :Japan (86) International Application No :PCT/JP2012/051013 (72)Name of Inventor: Filing Date :12/01/2012 1)TANAKA Yuuji (87) International Publication No :WO 2012/099182 2)NAGAI Kazukiyo (61) Patent of Addition to Application 3)SUZUKI Tetsuro :NA Number 4)KOIZUKA Yuusuke :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An electrophotographic photoconductor including: a conductive substrate; and at least a photoconductive layer on the conductive substrate wherein an uppermost surface layer of the photoconductive layer includes a three dimensionally crosslinked film formed through polymerization among compounds each containing a charge transporting compound and three or more [(tetrahydro 2H pyran 2 yl)oxy]methyl groups where the charge transporting compound has one or more aromatic rings and the [(tetrahydro 2H pyran 2 yl)oxy]methyl groups are bound to the aromatic rings of the charge transporting compound wherein the polymerization starts after some of the [(tetrahydro 2H pyran 2 yl)oxy]methyl groups have been partially cleaved and eliminated and wherein the three dimensionally crosslinked film has an ionization potential of 5.4 or higher.

No. of Pages: 130 No. of Claims: 12

(22) Date of filing of Application :28/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ULTRASOUND IMAGING SYSTEM AND METHOD

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61B8/00 :NA :NA :NA :NA :NA :NA :NA :NA :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)SUNDARAN BABY SAROJAM, SUBIN 2)VASUDEVAN, MOHANDAS
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### (57) Abstract:

An ultrasound imaging system and method includes performing a gesture with a scan system and detecting the gesture based on data from a motion sensing system in the scan system. The motion sensing system includes at least one sensor selected from the group of an accelerometer, a gyro sensor and a magnetic sensor. The ultrasound imaging system and method also includes performing a control operation based on the detected gesture.

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

(21) Application No.5964/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/07/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: MANUFACTURING METHOD FOR PNEUMATIC TIRE

(51) International :B29D30/30,B29D30/72,B60C5/14 classification

(31) Priority Document No :2010-039118 :24/02/2010 (32) Priority Date

(33) Name of priority :Japan

country

(86) International :PCT/JP2011/053897

Application No :23/02/2011 Filing Date

(87) International Publication: WO 2011/105390 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

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Address of Applicant :6 9 Wakinohama cho 3 chome Chuo

ku Kobe shi Hyogo 6510072 Japan (72)Name of Inventor:

1)ADACHI Yukishige

#### (57) Abstract:

Filing Date

Provided is a manufacturing method for a pneumatic tire that includes a process in which a raw cover (2) for the tire is formed and a vulcanization process in which said raw cover (2) is inserted into a die (3) and subjected to vulcanization molding. With the raw cover (2) inserted into the die (3) a sidewall rubber edge (E) which is a boundary part between a bead chafer (13) and a sidewall rubber (12) that appears on an outer surface (2a) of the raw cover is located further to the inside of the tire in the radial direction than an inner core point (P1) which is the intersection point between the outer surface (2a) of the raw cover and an axial line (L1) that passes through a bead core (7) on the inner edge of the tire in the radial direction. The manufacturing method is characterized in that an outer edge (15Bo) of a folded part (15B) of an insulation rubber (15) passes in between a folded part (9b) of a carcass ply (9a) and the sidewall rubber (12) and terminates further to the outside of the tire in the radial direction than the sidewall rubber edge (E).

No. of Pages: 34 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :06/07/2012

(21) Application No.5966/CHENP/2012 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: GAS BOLT HEATING APPARATUS

(51) International classification	:B23P19/06,F23D14/38	(71)Name of Applicant:
(31) Priority Document No	:13/282012	1)NEWPOL MACHINE WORKS LTD.
(32) Priority Date	:26/10/2011	Address of Applicant :9048 Haldi Road Prince George
(33) Name of priority country	:U.S.A.	British Columbia V2N 6J9 Canada
(86) International Application No	:PCT/CA2012/050078	(72)Name of Inventor:
Filing Date	:13/02/2012	1)TATARCZUK John
(87) International Publication No	:WO 2013/059932	2)TATARCZUK George
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a gas bolt heating apparatus for connecting to a heating tube and heating a bolt member. The bolt member has a bore. The heating tube is positionable within the bore. The heating apparatus includes a gas torch having a torch tip through which hot gas passes. The heating apparatus also includes a hollow heater body having a first end and a second end opposite thereof. The body has a central passageway extending from the first end of the body towards its second end. The central passageway is configured to receive the torch tip. The heating tube is connectable to the body. The torch tip is configured to extend into the heating tube for directly heating the heating tube when the heating tube is so connected to the heater body.

No. of Pages: 28 No. of Claims: 20

(21) Application No.484/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :21/01/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SURFACE MODIFIED SILICATE LUMINOPHORES

(51) International classification

(31) Priority Document No :10 2010 034 322.6 (32) Priority Date :14/08/2010

(33) Name of priority :Germany country

(86) International

:PCT/KR2011/005607 Application No

:29/07/2011 Filing Date

(87) International

:WO 2012/023714 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

1)SEOUL SEMICONDUCTOR CO. LTD.

Address of Applicant: 148 29 Gasan dong Geumcheon gu

Seoul 153 801 Republic of Korea

2)LITEC LP GMBH (72)Name of Inventor: 1)LEE Chung Hoon 2)TEWS Walter

3)ROTH Gundula 4)STARICK Detlef

## (57) Abstract:

A surface modified silicate luminophore includes a silicate luminophore and a coating includes at least one of (a) a fluorinated coating including a fluorinated inorganic agent a fluorinated organic agent or a combination of fluorinated inorganic and organic agents the fluorinated coating generating hydrophobic surface sites and (b) a combination of the fluorinated coating and at least one moisture barrier layer. The moisture barrier layer includes MgO AlO YO LaO GdO LuO and SiO or the corresponding precursors and the coating is disposed on the surface of the silicate luminophore.

No. of Pages: 32 No. of Claims: 8

(21) Application No.5509/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/07/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: PROCESS FOR MANUFACTURING COMPOSITE MATERIAL PRODUCTS AS WELL AS PRODUCTS MANUFACTURED WITH THIS PROCESS

:B29C70/86,B29D99/00 | (71)Name of Applicant : (51) International classification

(31) Priority Document No :MI2011A000253 (32) Priority Date :21/02/2011

(33) Name of priority country :Italy

(86) International Application No :PCT/IB2012/050663 Filing Date :14/02/2012

(87) International Publication No :WO 2012/114226

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)AUTOMOBILI LAMBORGHINI S.P.A.

Address of Applicant : Via Modena 12 I 40019 SantAgata

Bolognese BO Italy (72)Name of Inventor: 1)MASINI Attilio 2)DE SARIO Luigi

#### (57) Abstract:

Process for manufacturing composite material products (44 48 52) which process comprises at least the following operating steps: moulding at least one plastic material spacer (7) comprising one or more inserts (12); moulding at least one composite material product (44 48 52) comprising at least said spacer (7); mechanically working at least one (1) of said inserts (1 2) for forming at least one threaded hole (45) therein. The present invention also relates to the products manufactured with this process.

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

(22) Date of filing of Application :27/06/2012 (43) Publication Date: 13/02/2015

## (54) Title of the invention: 3,6-DIAZABICYCLO[3.1.1] HEPTANES AS NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR LIGANDS

(51) International :C07D487/08,A61K31/4995,A61P25/00

:WO 2011/071758 A1

classification

(31) Priority Document :61/267,218

No

(32) Priority Date :07/12/2009 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2010/058836 Application No :03/12/2010

Filing Date

(87) International

Publication No

(61) Patent of Addition :NA

to Application Number

Filing Date

:NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant: 1)TARGACEPT, INC.

Address of Applicant: 200 EAST FIRST STREET, SUITE 300, WINSTON-SALEM, NORTH CAROLINA 27101-4165

(72)Name of Inventor:

1)AKIREDDY, SRINIVASA RAO 2)BHATTI, BALWINDER SINGH 3)HEEMSTRA, RONALD JOSEPH 4) MURTHY, SRINIVASA V. 5)STRACHAN, JON-PAUL 6)XIAO, YUNDE

(57) Abstract:

The present invention relates to compounds that bind to and modulate the activity of neuronal nicotinic acetylcholine receptors (NNRs), to processes for preparing these compounds, to pharmaceutical compositions containing these compounds, and to methods of using these compounds for treating a wide variety of conditions and disorders, including those associated with dysfunction of the central nervous system (CNS). The present invention includes compounds which bind with high affinity to NNRs of either the a4f}2 subtype, or the a6-containing subtype, or both NNR subtypes. Formula (I), wherein: each m is identical and is 0 or 1; each n is identical and is 0 or 1; when each m is 0, then each n is 1; when each m is 1, then each n is 0; R, is -C(O)-R3, -C(O)O-R3, -C(O)NH-R3, -C(OMCH2)q-X-R3, -C(O)O-(CH2)q-X-R3, or -C(O)NH-(CH2)q-X-R3; q is 1,2,3, 4, 5, or 6; X is -0-, -S-, -NH-, or -NHC(O)-; R2 is H or alkyl; R3 is alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroaryl, or heterocyclic.

No. of Pages: 65 No. of Claims: 18

(21) Application No.6012/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SUBSTRATE FOR A PHOTOVOLTAIC CELL

(51) International classification :C03C3/087,H01L31/0248 (71)Name of Applicant :

(31) Priority Document No:1152093(32) Priority Date:15/03/2011(33) Name of priority country:France

(86) International Application No
Filing Date

Figure 3. Praince

:PCT/FR2012/050528
:14/03/2012

(87) International Publication No :WO 2012/123677

(61) Patent of Addition to Application
:NA
Number
:NA
Filing Date

(62) Divisional to Application
Number

Filing Date
:NA
:NA

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 avenue dAlsace F 92400

Courbevoie France (72)Name of Inventor:
1)CINTORA Octavio
2)SACHOT Dominique

### (57) Abstract:

The invention relates to a substrate for a photovoltaic cell comprising at least one sheet of float glass provided with at least one electrode on one face characterised in that said glass has a chemical composition comprising the following constituents in a weight content varying within the limits defined as follows: between 60 and 70% of SiO between 7 and 12% of A1O between 0 and 5% of MgO between 6and 10% of CaO between 10 and 16% of NaO and between 0 and 6% of KO.

No. of Pages: 16 No. of Claims: 15

1)QUALCOMM INCORPORATED

(72)Name of Inventor:

1)CHUN Dexter T.

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5775 Morehouse Drive San Diego California 92121 1714 U.S.A.

(19) INDIA

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: SERDES POWER THROTTLING AS A FUNCTION OF DETECTED ERROR RATE

(51) International classification :H03M9/00,H04W52/02 | (71)Name of Applicant :

 (31) Priority Document No
 :13/029934

 (32) Priority Date
 :17/02/2011

 (33) Name of priority country
 :U.S.A.

(86) International Application No :PCT/US2012/025526

Filing Date :16/02/2012

(87) International Publication No :WO/2012/134652

(61) Patent of Addition to Application
Number
Siling Date
(62) Divisional to Application Number: NA

3)SUH Jungwon 4)SOWLATI Tirdad

#### (57) Abstract:

Filing Date

A system involves a first SerDes link from a first integrated circuit (IC) to a second IC and a second link from the second IC to the first IC. Power consumption settings in circuitry of the first link are adjusted to control power consumption such that the bit error rate of the first link is maintained in a range where the lower bound of the range is substantially greater than zero. Power consumption settings in circuitry for the second link are adjusted to control power consumption such that the bit error rate of the second link is maintained in range where the lower bound of the range is substantially greater than zero. In one example circuitry in the second IC detects errors in the first link and reports back via the second link. The first IC uses the reported information to determine a bit error rate for the first link.

No. of Pages: 55 No. of Claims: 47

(21) Application No.5692/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PATIENT CONTROLLED VENTILATION

(51) International classification :A61M16/00,G06F9/44 (71)Name of Applicant : (31) Priority Document No :13/018248 1) CAREFUSION 303 INC. (32) Priority Date :31/01/2011 Address of Applicant: 3750 Torrey View Court San Diego (33) Name of priority country :U.S.A. CA 92130 U.S.A. (86) International Application No :PCT/US2012/023199 (72)Name of Inventor: 1)LEWIS Stephen Filing Date :30/01/2012 (87) International Publication No :WO 2012/106270 2)WESTFALL Thomas (61) Patent of Addition to Application 3)BLANSFIELD Terry :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A method of controlling a ventilator is disclosed that includes the steps of providing a patient with a ventilator patient control interface through which a patient controls at least one control parameter of a ventilator and configuring a processor to control the ventilator in response to the ventilator patient control interface such that the patient controls the at least one control parameter of the ventilator in accordance with pre set limits on changes to the at least one control parameter.

No. of Pages: 37 No. of Claims: 33

(22) Date of filing of Application :29/06/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: DRUM AND APPARATUS FOR PROCESSING CELLULOSE-CONTAINING PULP, WHERE REWETTING IS PREVENTED, AND METHOD FOR MANUFACTURING THE DRUM

(51) International classification

(31) Priority Document No :0950964-7 :15/12/2009 (32) Priority Date

(33) Name of priority country: Sweden

(86) International Application :PCT/SE2010/051308

No :26/11/2010 Filing Date

(87) International Publication

:WO 2011/075041 A1

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

 $:\!D21C9/06,\!B01D33/09,\!D21C9/18 \bigg| (71) \textbf{Name of Applicant:}$ 1)METSO PAPER, INC.

Address of Applicant : P.O. BOX 1220, FI-00101 HELSINKI

Finland

(72)Name of Inventor: 1)GULLBACK, STEFAN

### (57) Abstract:

A dram (130; 202, 204) for an apparatus for processing cellulose-containing pulp, the drum (130; 202, 204) being rotatable about an axis of rotation (302; 203, 205) and having an outer surface (132; 206, 208) permeable to liquid, the outer surface being formed by at least one plate (135; 211, 213) which also forms at least one inner surface (137; 215, 217) facing the axis of rotation, and a plurality of filtrate channels (136; 210, 212) provided inwardly of the inner surface, the drum (130; 202, 204) being arranged to receive the pulp on the outer surface, and each filtrate channel (136; 210, 212) guides and discharges filtrate, lo-cated in the filtrate channel, which has been transported to the filtrate channel from the pulp via the outer surface, and each filtrate . channel is defined by at least a first and a second axial channel wall (138, 140, 142; 226, 228, 230, 232) having a substantially ra-] dial extension, each filtrate channel of a plurality of filtrate channels (136; 210, 212) being provided with an axial filtrate barrier) (134) which defines a gap (146) between itself and the inner surface and is arranged to prevent the flow of filtrate from the filtrate channel to the outer surface of the drum and defines at least one filtrate opening (148) for allowing filtrate to pass from the gap to the filtrate channel, the filtrate barrier (134) being mounted to the drum by being sandwiched by and between the first axial channel wall of the filtrate channel and the inner surface. An apparatus for processing ceUulose-containing pulp comprising such a drum, and a method for manufacturing such a drum.

No. of Pages: 27 No. of Claims: 18

(21) Application No.5695/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: COATING METHOD AND DEVICE

classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:PCT/EP11/051826 :08/02/2011 :WO 2011/098450 A1 :NA :NA	(71)Name of Applicant:  1)UMICORE AG & CO. KG Address of Applicant:RODENBACHER CHAUSSEE 4, 63457 HANAU-WOLFGANG Germany (72)Name of Inventor:  1)MERGNER, BERND 2)MASSON, STEPHANE
Number	:NA	

<sup>(57)</sup> Abstract:

The invention relates to a novel coating device, the method carried out using said device, products obtained there by, and use of said products.

No. of Pages: 39 No. of Claims: 12

(21) Application No.6050/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

## (54) Title of the invention: LOW TEMPERATURE HOT MELT ADHESIVES FOR DISPOSABLE ARTICLES WITH HIGH CREEP RESISTANCE

(51) International :C09J109/06,C09J11/00,C09J7/00

classification

(31) Priority Document No :61/444242 (32) Priority Date :18/02/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/025609

No :17/02/2012 Filing Date

(87) International Publication

:WO 2012/112870 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)HENKEL CORPORATION

Address of Applicant :One Henkel Way Rocky Hill CT

06067 U.S.A.

(72)Name of Inventor:

1)HU Yuhong 2)XENIDOU Maria

#### (57) Abstract:

The present invention is directed to adhesives suitable for application using a hot melt process at a relatively low temperature in the range of about 110 °C to about 130 °C. Such adhesives exhibit desirable viscoelastic properties and are suitable for bonding an elastic attachment in the manufacture of disposable articles such as disposable diapers.

No. of Pages: 20 No. of Claims: 18

(19) INDIA

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

(21) Application No.6052/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: RADIATION CROSS LINKED COLLAGEN GEL AND PREPARATION METHOD AND USAGE METHOD THEREOF

(51) International :A61K8/65,A61K47/36,A61K9/06

classification (31) Priority Document No :1020110005588

:19/01/2011 (32) Priority Date (33) Name of priority country: Republic of Korea (86) International Application :PCT/KR2011/001040

No

:17/02/2011 Filing Date

(87) International Publication :WO 2012/099293

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SEWON CELLONTECH CO. LTD.

Address of Applicant: 4 6th FL. HP Building 23 6 Yeoido dong Yeongdeunpo gu Seoul 150 724 Republic of Korea

(72)Name of Inventor:

1)YU Ji Chul 2)YEO Se Ken 3)KIM Tai Hyoung 4)SHU Dong Sam 5)CHANG Cheong Ho

### (57) Abstract:

The present invention relates to radiation cross linked collagen gel and a preparation method and usage method thereof. To this end the present invention comprises a cross linked collagen material made by irradiating liquid collagen with radioactive rays wherein the concentration of said collagen is specifically 0.1 10% (W/V) and the radiation dose (dose rate X time) is 0.1 40 kGy on the basis of 1 kGy/hr. The present invention configured as above can prepare a formulated collagen gel using a physical cross linking method instead of a chemical cross linking method specifically carries out the formulation by mixing biocompatible materials and provides a method capable of using a cross linked collagen hydrogel in wound dressings graft materials cell cultures and the like. Therefore the present invention provides an industrially convenient and safe preparation method thereby instilling a good image to a customer by greatly improving the quality and confidence in the products.

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

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A POLE ASSEMBLY OF A CIRCUIT BREAKER IN AIR INSULATED SWITCHGEAR

(51) Intermediate 1 -1 i Continu	.11011122/00	(71)NJ C. A P
(51) International classification	:H01H33/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ABB TECHNOLOGY LTD.
(32) Priority Date	:NA	Address of Applicant :AFFOLTERNSTRASSE 44, CH-
(33) Name of priority country	:NA	8050 ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BHUSHAN KULKARNI
(87) International Publication No	: NA	2)DUKKAIAPPAN SUBBIAH THEVAR
(61) Patent of Addition to Application Number	:NA	3)HRISHIKESH S BRAMHAPURIKAR
Filing Date	:NA	4)V RAMESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a pole assembly of a circuit breaker in air insulated switchgear. The pole assembly comprises a vacuum interrupter having a fixed contact and a movable contact and at least one terminal. The terminal is electrically connected to at least one of the fixed contact or movable contact. The at least one terminal is disposed within a hollow connecting piece electrically connected to the at least one of the fixed contact or movable contact.

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

(10) INIDI A

(21) Application No.5469/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DISPLAY EQUIPMENT AND DISPLAY STAND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A47F7/00 :2011028916 :14/02/2011 :Japan :PCT/JP2012/052342 :02/02/2012 :WO 2012/111441	(71)Name of Applicant: 1)TOYOX CO. LTD. Address of Applicant:4371 Maezawa Kurobe shi Toyama 9388585 Japan (72)Name of Inventor: 1)MIYAZAKI Osamu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention facilitates reel setting and exchange and supports reels to rotate smoothly without rattling. By setting a reel (B) onto multiple substantially parallel rotating supports (2) from the tips (2a) thereof which are installed as cantilevered projections from a main furniture body (1) the support pieces (2b) of the multiple rotating supports (2) each contact different portions of the inner circumferential surface (B2) of the reel (B) in the circumferential direction and the reel (B) is supported to rotate freely. Even if the reel (B) rotates as the long article (C) is drawn out position does not shift in the direction parallel to each of the rotating supports (2) due to the weight of the reel (B) and the long article (C) wound thereon and by disposing a circular space (2c) so as to face the end (C1) of the long article (C) inserted and protruding from an insertion hole (B5) provided on the inner circumferential surface (B2) of the reel (B) the end (C1) of the long article (C) enters the circular space (2c) as the reel (B) rotates and revolves without contacting the outer circumferences of the rotating supports (2).

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

(22) Date of filing of Application :09/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED PROCESS FOR NUCLEOSIDES

(51) International classification (31) Priority Document No	:c07D 411/04 :NA	(71)Name of Applicant: 1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :Plot No. B 80 & 81 A.P.I.E.
(33) Name of priority country	:NA	Balanagar Hyderabad Andhrapradesh 500018 Andhra Pradesh
(86) International Application No Filing Date	:PCT/IN2010/000014 :08/01/2010	[ndia] (72)Name of Inventor:
(87) International Publication No	:WO 2011/083484	1)PARTHASARADHI REDDY bandi
(61) Patent of Addition to Application	:NA	2)RATHNAKAR REDDY kura
Number Filing Date	:NA	3)MURALIDHARA REDDY dasari 4)RAJI REDDY rapolu
(62) Divisional to Application Number	:NA	5)VAMSI KRISHNA bandi
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to improved process for the preparation of lamivudine or emtricitabine. Thus (1 R 2 S 5 R) menthyl 5(R S) acetoxy [1 3] oxathiolane 2(R) carboxylate is reacted with N propinoyl cytosine in hexamethyl disilazane and then added trityl perchlorate to obtain a solid containing (1 R 2 S 5 R) menthyl 5S (N 4 propionylcytosin 1 yl) [1 3] oxathiolane 2R carboxylate. The solid obtained above is reacted with methane sulfonic acid to obtain (2R 5S) 5 (4 amino 2 oxo 2H pyrimidin 1 yl) [1 3] oxathiolane 2 carboxylic acid 2S isopropyl 5R methyl 1R cyclohexyl ester. The above compound is reduced with sodium borohydride to obtain lamivudine.

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

(21) Application No.6129/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/07/2012 (43) Publication Date : 13/02/2015

### (54) Title of the invention: METHOD AND ARRANGEMENT FOR REMOVING GAS FROM A LIQUID

(51) International classification :B01D19/00,B04C3/00 (71)Name of Applicant : (31) Priority Document No :20100032 1)OUTOTEC OYJ (32) Priority Date Address of Applicant : Riihitontuntie 7 FI 02200 Espoo :02/02/2010 (33) Name of priority country :Finland Finland (86) International Application No :PCT/FI11/050077 (72)Name of Inventor: Filing Date :31/01/2011 1)VAARNO Jussi (87) International Publication No :WO 2011/095685 2)RITASALO Teemu (61) Patent of Addition to Application 3)TYLLI Niclas :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method and arrangement for removing gas particularly inert gas bubbles from process solutions. A container (1) containing process solution is provided with means both for feeding gas and solution into a container and for removing gas and solution from the container said container (1) comprising a separate gas removal tank (2) set therein into which tank the solution is fed tangentially at the lower part (3) of the gas removal tank and in which gas removal tank the solution is conducted in a helical upwardly oriented motion as the gas bubbles (7) are removed from the top part (14) of the gas removal tank.

No. of Pages: 11 No. of Claims: 13

(21) Application No.6068/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYNTHETIC RESIN THRUST SLIDING BEARING

(51) International classification :F16C33/20,F16C17/04,F16C33/74

(31) Priority Document No :2011-037682 (32) Priority Date :23/02/2011 (33) Name of priority

country :Japan

(86) International

Application No :PCT/JP2012/000980 :15/02/2012

Filing Date (87) International

Publication No :WO 2012/114679 A1

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:
1)OILES CORPORATION

Address of Applicant :6 34 Kounan 1 chome Minato ku

Tokyo 1080075 Japan (72)Name of Inventor:
1)MORISHIGE Kouichi
2)KANEKO Ryohei

#### (57) Abstract:

A synthetic resin thrust sliding bearing (1) is equipped with: a synthetic resin upper case (12); a synthetic resin lower case (22); a synthetic resin thrust sliding bearing part (33) arranged between the upper case (12) and the lower case (22); an outside elastic sealing member (47) having an inside elastically deformable lip part (43) and an outside elastically deformable lip part (46); and an inside elastic sealing member (54) having an outside elastically deformable lip part (50) and an inside elastically deformable lip part (53).

No. of Pages: 41 No. of Claims: 9

(21) Application No.6070/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: HYBRID VEHICLE

(51) International :B60W10/08,B60K6/383,B60K6/445 classification

(31) Priority Document No: NA (32) Priority Date :NA (33) Name of priority :NA

country

(86) International :PCT/JP2011/051909

Application No :31/01/2011 Filing Date

(87) International

:WO 2012/104961A1 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)SUZUKI MOTOR CORPORATION

Address of Applicant :300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

(72) Name of Inventor: 1)KURAMOTO Hiroaki

2)ITO Yoshiki

### (57) Abstract:

Filing Date

The purpose of the present invention is to provide a hybrid vehicle configured in such a manner that a mechanism for affixing the output shaft of the engine is compact and reliably prevented from breaking and that the hybrid vehicle can be used also as a plug in HEV by effectively increasing drive force in an EV mode. The present hybrid vehicle is provided with a mechanism which outputs power generated by the engine and two motor generators to the drive shaft through a power transmitting mechanism and which affixes the output shaft of the engine. The hybrid vehicle is characterized in comprising a control means which when the hybrid vehicle travels by only the power generated by the two motor generators while the engine is stopped and while the output shaft of the engine is affixed limits torque which is generated by the two motor generators in order that torque acting on the mechanism for affixing the output shaft of the engine does not exceed an upper limit value.

No. of Pages: 36 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application :31/07/2013

(21) Application No.6175/CHENP/2013 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD FOR TRANSMITTING AND RECEIVING PARAMETER UPDATE INFORMATION IN A WIRELESS COMMUNICATION SYSTEM AND DEVICE USING SAME

:H04B7/26,H04W68/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/442.303 (32) Priority Date :14/02/2011 (33) Name of priority country :U.S.A. (86) International Application No :PCT/KR2012/001090

Filing Date :14/02/2012

(87) International Publication No :WO 2012/111952 A3

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)LG ELECTRONICS INC.

Address of Applicant :20 Yeouido dong Yeongdeungpo gu

Seoul 150 721 Republic of Korea

(72)Name of Inventor: 1)PARK Giwon 2)YUK Youngsoo

#### (57) Abstract:

Disclosed are a method for transmitting and receiving parameter update information in a wireless communication system and a device using same. A Machine to Machine (M2M) device for receiving parameter update information in a wireless communication system according to the present invention includes a receiver for receiving a first message which includes information regarding the parameter update from a base station. The information regarding the parameter update may include information indicating that a position update of M2M devices in a specific M2M group to which the M2M device belongs is required. The receiver may be further configured to transmit a second message including a position update request to the base station and receive a third message including position updated information on the M2M devices in the specific M2M group from the base station in response to the second message. The M2M device may further include a processor for performing a position update on the basis of the updated position information in the third message.

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

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SOLAR CELL MANUFACTURING METHOD THEREOF AND SOLAR CELL MODULE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	H01L31/04 2011255362 22/11/2011 apan PCT/JP2012/070401 99/08/2012 WO 2013/077038 NA NA	(71)Name of Applicant:  1)KANEKA CORPORATION  Address of Applicant: 3 18 Nakanoshima 2 chome Kita ku Osaka shi Osaka 5308288 Japan (72)Name of Inventor:  1)ADACHI Daisuke 2)YAMAMOTO Kenji 3)LUIS HERNANDEZ Jose 4)VALCKX Nick
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#### (57) Abstract:

This solar cell has a collector electrode (7) on a primary surface of a photoelectric conversion unit (50). The collector electrode (7) includes in order from the photoelectric conversion unit (50) a first conducting layer (71) and a second conducting layer (72) and includes an insulating layer (9) between the first conducting layer (71) and the second conducting layer (72). The first conducting layer (71) includes a low melting point material and a part of the second conducting layer (72) is electrically connected to the first conducting layer (71) via an opening in the insulating layer. The second conducting layer is preferably formed by plating. Further in order to electrically connect the first conducting layer and the second conducting layer it is preferable before forming the second conducting layer to perform annealing by heating and to form the opening in the insulating layer.

No. of Pages: 68 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :23/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: CONNECTOR WITH FIRST AND SECOND PORTS

(51) International :A61M39/10,A61M39/20,A61M39/22 classification

(31) Priority Document :13/016,883

(32) Priority Date :28/01/2011 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/023028 Application No :27/01/2012

Filing Date (87) International

:WO 2012/103518 A2 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant: 1) CAREFUSION 303 INC.

(21) Application No.5906/CHENP/2013 A

Address of Applicant: 3750 Torrey View Court San Diego

California 92130 U.S.A. (72) Name of Inventor:

1)MANSOUR George Michel 2)PANIAN Tyler Devin

### (57) Abstract:

A connector is disclosed that has a housing having a fluid path from a first port through an internal cavity to a second port. The connector also includes a plug that has first and second positions within the internal cavity where the plug blocks the fluid path between the first port and the internal cavity when in the first position. The plug has a diaphragm that separates the internal cavity into a first volume that is vented and a second volume that includes the fluid path. The plug also includes a biasing element that is disposed within the first volume and that urges the plug toward the first position. Displacement of the plug from the first position toward the second position opens the fluid path and increases the second volume.

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

(19) INDIA

(22) Date of filing of Application :23/07/2013

(21) Application No.5907/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: MONITORING SYSTEM AND METHOD

(51) International classification

(31) Priority Document No :20115111 (32) Priority Date :03/02/2011 (33) Name of priority country: Finland

(86) International :PCT/FI2012/050098

Application No :02/02/2012 Filing Date

(87) International Publication :WO 2012/104489 A1 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

1)KONECRANES PLC

Address of Applicant :Koneenkatu 8 FI 05830 Hyvink

Finland

(72)Name of Inventor: 1)HAKKARAINEN Simo

2)LEHTINEN Ari 3)PEKKARINEN Matti

4)KIOVA Jussi

5)SAIKKONEN Jukka 6)WALLGREN Kari 7)PAULINO Don

# (57) Abstract:

A system with an apparatus that moves on wheels along a track defined by rails and comprises two opposite sides carried by two or more wheels. The apparatus comprises detectors at least one detector in either side of the appa ratus in a known spatial connection with a wheel for generating to the control unit a signal that represents a measured lateral distance of a specific part of the wheel from a rail. Signals received from detectors are associated with posi tiondata that represents a specific positionalong the trackwhere the lateral distance of the specific part of the wheel from the rail was measured. Signals received from detectors in spatial connection with wheels in opposite sides of the apparatus are used to generate an indication that represents temporaldi mensional compatibility of the apparatus and the track. An effective tool for advanced monitoring interoperability of the apparatus and the track.

No. of Pages: 26 No. of Claims: 16

(22) Date of filing of Application :25/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SHELL AND TUBE HEAT EXCHANGERS AND METHODS OF USING SUCH HEAT EXCHANGERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F28D7/16,F28F9/22 :61/439199 :03/02/2011 :U.S.A. :PCT/IB2012/050432 :30/01/2012 :WO 2012/104777 :NA :NA	(71)Name of Applicant:  1)MEMC ELECTRONIC MATERIALS S.P.A. Address of Applicant: Viale Gherzi 31 I 28100 Novara Italy (72)Name of Inventor: 1)PAZZAGLIA Gianluca 2)FUMAGALLI Matteo 3)BOVO Rodolfo
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### (57) Abstract:

Shell and tube heat exchangers that include a baffle arrangement that improves the temperature profile and flow pattern throughout the exchanger and/or that are integral with a reaction vessel are disclosed. Methods for using the exchangers including methods that involve use of the exchanger and a reaction vessel to produce a reaction product gas containing trichlorosilane are also disclosed.

No. of Pages: 41 No. of Claims: 47

(21) Application No.6002/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

## (54) Title of the invention: COMPACT EVAPORATOR FOR MODULAR PORTABLE SAGD PROCESS

 $: \!\! C02F1/04,\! E21B43/24,\! F22D11/00 \bigg| (71) \pmb{Name of Applicant:}$ (51) International

classification

(31) Priority Document No :61/436723 (32) Priority Date :27/01/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2011/000436

:15/04/2011

Filing Date

(87) International Publication :WO 2012/100319 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)1NSITE TECHNOLOGIES LTD.

Address of Applicant: 2400 525 8th Avenue S.W. Calgary

Alberta T2P 1G1 Canada (72) Name of Inventor: 1)JAMES Kenneth

### (57) Abstract:

A modular portable evaporator system for use in a Steam Assisted Gravity Drainage (SAGD) systems having an evaporator with a sump comprising an oil skimming weir a short tube vertical heat exchanger including an outer shell containing the short tubes provided for lower water circulation rate. A system further having external to the evaporator a compressor compressing evaporated steam from the tube side of the heat exchanger and routing to the shell side of the same exchanger a distillate tank to collect hot distilled water a recirculation pump to introduce liquids from the sump into the heat exchanger and an external demister protecting the compressor from liquid impurities. The evaporator system receives produced water from the process into the sump and provides cleaned hot water to the boiler.

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

(12) 111121(111111210111101(11012101111

(21) Application No.6217/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NUTRITIVE COMPOSITIONS AND METHODS OF USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/07/2010 :WO 2011/081679 :NA :NA	(71)Name of Applicant:  1)PENTEC HEALTH INC.  Address of Applicant: 4 Creek Parkway Boothwyn PA 19061 U.S.A.  (72)Name of Inventor:  1)MOORE Eileen
(62) Divisional to Application Number Filing Date	:NA :NA	
1 11110 2 1111	** ** *	

# (57) Abstract:

The invention provides intradialytic parenteral nutrition (IDPN) compositions with low carbohydrate for the treatment of malnutrition in dialysis subjects. In some embodiments the IDPN compositions are advantageous for the treatment of malnutrition in subjects who are diabetic or suffer from other glucose management related pathologies or subjects who benefit from strict fluid management.

No. of Pages: 140 No. of Claims: 49

(10) DIDIA

(21) Application No.6122/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention : METHOD FOR RECEIVING MULTICAST DATA IN WIRELESS COMMUNICATION SYSTEM AND M2M DEVICE THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:06/02/2012 :WO 2012/108647 :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 20 Yeouido dong Yeongdeungpo gu Seoul 150 721 Republic of Korea (72)Name of Inventor:  1)KIM Jeongki 2)RYU Kiseon 3)YUK Youngsoo
Filing Date	:NA :NA	

### (57) Abstract:

Disclosed are a method for receiving multicast data in a wireless communication system and a machine to machine (M2M) device therefor. The method wherein the M2M device receives multicast data in a wireless communication system according to the present invention includes the steps of: receiving multicast data from a base station; and indicating that the multicast data transmitted from the base station is the last multicast or receiving information including a signal which indicates the end of multicast transmission. The information can be transmitted with or separate from the multicast data and is piggybacked with the multicast data if the information is transmitted with the multicast data

No. of Pages: 41 No. of Claims: 19

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR NTIER CACHE REDIRECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:08/02/2012 :WO 2012/109377 :NA	(71)Name of Applicant:  1)CITRIX SYSTEMS INC.  Address of Applicant:851 West Cypress Creek Road Fort Lauderdale FL 33309 U.S.A. (72)Name of Inventor:  1)CHOUDHARY Akshat 2)GAVINI Anil Kumar 3)SHETTY Anil
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present disclosure describes systems and methods for load balancing multiple application delivery controllers (ADCs) in multiple tiers. An upper layer of the tier comprises ADCs that load balance the plurality of ADCs of a lower layer of the tier. In order to appropriately share and maintain client IPs for transparent cache redirection scenarios the transport layer (Transport Control Protocol (TCP)) port range is split among the ADCs of the lower tier. The lower tier ADCs would then create a connection only using a source port assigned to them. The response from the origin will then be sent to the upper level ADC which looks at the destination port and forward the packet to the correct lower tier ADC. Hence the ADCs at two levels will work in conjunction to provide transparent cache direction.

No. of Pages: 143 No. of Claims: 20

(22) Date of filing of Application :16/07/2012 (43) Publication Date: 13/02/2015

## (54) Title of the invention: POWER CONTROL APPARATUS AND POWER CONTROL METHOD FOR CONSTRUCTION **MACHINERY**

(51) International :E02F9/22,F02D29/04,F15B11/028

:NA

classification (31) Priority Document No :1020090130425 (32) Priority Date :24/12/2009 (33) Name of priority

:Republic of Korea country

(86) International :PCT/KR2010/009207 Application No

:22/12/2010 Filing Date

(87) International :WO 2011/078578 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

(71)Name of Applicant:

1)DOOSAN INFRACORE CO. LTD.

Address of Applicant: 7 11Hwasu dong Dong gu Incheon

401 020 Republic of Korea (72)Name of Inventor: 1)SOHN Won Sun 2)PARK Duck Woo

3)BANG Jae Seok

## (57) Abstract:

Filing Date

According to one aspect of the present invention a power control apparatus for construction machinery comprises: an engine (10) connected to a hydraulic pump (20) to drive the hydraulic pump (20); and a control unit (60) which calculates an engine load ratio defined as a ratio of a load torque of the engine (10) to the maximum torque of the engine (10) calculated from an input target engine RPM and calculates an engine RPM command value in proportion to the engine load ratio such that the engine (10) can be driven at the target engine RPM and outputs the calculated command value to the engine (10). According to another aspect of the present invention a hydraulic pump control apparatus controls the hydraulic pump (20) driven by the engine (10) and comprises: a horsepower control unit (30) which varies the swash plate of the hydraulic pump (20) so as to vary the required horsepower of the hydraulic pump (20); a pressure sensor (50) for sensing a load pressure (Pd) of working oil discharged from the hydraulic pump (20); and a control unit (60) which calculates a target required horsepower of a pump from the load pressure (Pd) sensed by the pressure sensor (50) and controls the horsepower control unit (30) such that the required horsepower of the hydraulic pump (20) gradually becomes closer to the target required horse power of a pump during a preset time (t).

No. of Pages: 40 No. of Claims: 11

(21) Application No.6224/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/07/2012 (43) Publication Date: 13/02/2015

## (54) Title of the invention: ELECTRONIC HYDRAULIC CONTROL APPARATUS USING VARIABLE BEHAVIOR CHARACTERISTICS AND METHOD FOR SAME

(51) International classification :E02F9/22,E02F9/26,E02F9/20 (71) Name of Applicant:

(31) Priority Document No :1020090128615

(32) Priority Date :22/12/2009 :Republic of Korea (33) Name of priority country (86) International Application No:PCT/KR2010/009160

Filing Date :21/12/2010 (87) International Publication No: WO 2011/078557

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)DOOSAN INFRACORE CO. LTD.

Address of Applicant: 7 11 Hwasu dong Dong gu Incheon

401 020 Republic of Korea (72)Name of Inventor: 1)CHOI Ki Hong

### (57) Abstract:

The present invention relates to an electronic hydraulic control apparatus using variable behavior characteristics and to a method for same which in particular involve detecting the manipulation of an electronic joystick of an electronic hydraulic system in a positive (+) direction and a negative () direction with respect to a neutral position for a duration preset by a user and varying behavior characteristics (such as standard behavior characteristics and sudden movement behavior characteristics) according to the detected results in order to provide convenience to an operator operating construction equipment by improving operator comfort and workability for sudden maneuvering.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :05/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR MANAGING STATIC PROXIMITY IN MULTI CORE GSLB APPLIANCE

(51) International (71)Name of Applicant: :H04L12/24,G06F15/16,H04L12/56 1)CITRIX SYSTEMS INC. classification (31) Priority Document No :12/645,882 Address of Applicant :851 West Cypress Creek Road Fort (32) Priority Date Lauderdale Florida 33309 U.S.A. :23/12/2009 (33) Name of priority (72)Name of Inventor: :U.S.A. 1)VERZUNOV Sergey country (86) International 2)SHETTY Anil :PCT/US2010/061890 Application No 3)SUGANTHI Josephine :22/12/2010 Filing Date (87) International :WO 2011/079224 A3 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

### (57) Abstract:

Filing Date

The present invention is directed towards systems and methods for providing static proximity load balancing via a multi core intermediary device. An intermediary device providing global server load balancing identifies a size of a location database comprising static proximity information. The intermediary device stores the location database to an external storage of the intermediary device responsive to determining the size of the location database is greater than a predetermined threshold. A first packet processing engine on the device receives a domain name service request for a first location determines that proximity information for the first location is not stored in a first memory cache transmits a request to a second packet processing engine for proximity information of the first location and transmits a request to the external storage for proximity information of the first location packet processing engine not having the proximity information.

No. of Pages: 147 No. of Claims: 20

(21) Application No.5912/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012 (43) Publication Date: 13/02/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR MANAGING LARGE CACHE SERVICES IN A MULTI CORE **SYSTEM**

(51) International :G06F15/16,G06F13/14,G06F9/44 classification

(31) Priority Document No :12/645.855 :23/12/2009 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2010/061609

No :21/12/2010 Filing Date

(87) International Publication :WO 2011/079135 A2 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)CITRIX SYSTEMS INC.

Address of Applicant :851 West Cypress Creek Road Fort

Lauderdale Florida 33309 U.S.A.

(72)Name of Inventor: 1)KHEMANI Prakash

2)KUMAR Anil

3)CHAUHAN Abhishek 4)PRAVEEN Rama

### (57) Abstract:

A multi core system that includes a 64 bit cache storage and a 32 bit memory storage that stores a 32 bit cache object directory. One or more cache engines execute on cores of the multi core system to retrieve objects from the 64 bit cache create cache directory objects and insert them into the cache object directory and search for cache directory objects in the cache object directory. When an object is stored in the 64 bit cache a cache engine can create a cache directory object that corresponds to the cached object and can insert the created cache directory object into an instance of a cache object directory of that cache engine. A second cache engine can receive a request to access the cached object and can identify a cache directory object in the instance of the cache object directory using a hash key calculated based on one or more attributes of the cached object.

No. of Pages: 168 No. of Claims: 20

(22) Date of filing of Application :05/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD AND ARRANGEMENT FOR PRODUCING METAL POWDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:20105083 :29/01/2010 :Finland	(71)Name of Applicant:  1)OUTOTEC OYJ  Address of Applicant: Riihitontuntie 7 FI 02200 Espoo Finland (72)Name of Inventor:  1)NIEMINEN Ville
	:WO 2011/092375	2)VIRTANEN Henri
(87) International Publication No	A1	Z) VIRTANIZA IICHII
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and arrangement for producing metal powder. In the method dissolved utility metal is mixed in a solution containing at least one intermediary metal for precipitating the dissolved utility metal into a utility metal powder (14). In the method the first part of an acid containing starting solution is fed on the anode side (6) of an electrolytic cell as anolyte (1) to get in contact with the anode and the supply material containing yield metal and the second part of the acid containing starting solution which also contains intermediary metal is fed on the cathode side (8) of the electrolytic cell to get in contact with the cathode (4) as catholyte (3); yield metal is oxidized and dissolved in the anolyte (1) by leading electric current in the anode (2); the yield metal contained in the second part of the starting solution is reduced on the cathode side (8); and anolyte solution and catholyte solution are fed in a precipitating chamber (12) for mixing the dissolved oxidized yield metal and the second part of the starting solution containing reduced intermediary metal.

No. of Pages: 38 No. of Claims: 26

(21) Application No.6314/CHENP/2012 A

1)LG ELECTRONICS INC.

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(72)Name of Inventor:

1)HAN Seung Hee

2)MOON Sung Ho

3)CHUNG Jae Hoon

Address of Applicant :20 Yeouido dong Yeongdeungpo gu

(19) INDIA

(22) Date of filing of Application: 18/07/2012 (43) Publication Date: 13/02/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26,H04B7/26 (71)Name of Applicant : (31) Priority Document No :61/295741 (32) Priority Date :17/01/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/KR2011/000285 Filing Date :14/01/2011

:NA

(87) International Publication No :WO 2011/087313

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

4)LEE Moon II 5)KWON Yeong Hyeon

## (57) Abstract:

Filing Date

The present invention relates to a wireless communication system. More particularly, the present invention relates to a method for transmitting control information via a PUCCH in a wireless communication system, and to an apparatus for the method, wherein the method comprises the following steps: joint-coding a plurality of pieces of control information to obtain a single code word; obtaining a first modulated symbol sequence from the single code word; obtaining, from the first modulated symbol sequence, a plurality of second modulated symbol sequences corresponding to each slot in the PUCCH; cyclically shifting the plurality of second modulated symbol sequences in a time doplurality of complex symbol sequences via the PUCCH.

No. of Pages: 132 No. of Claims: 18

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF ROSUVASTATIN CALCIUM AND PREPARATION OF ITS NOVEL INTERMEDIATES

(51) International classification	:C07D239/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUVEN LIFE SCIENCES LIMITED
(32) Priority Date	:NA	Address of Applicant :Serene Chambers, Road 5, Avenue 7,
(33) Name of priority country	:NA	Banjara Hills, Hyderabad 500 034, Andhra Pradesh, India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SIRIPALLI, Udaya Bhaskara Rao
(87) International Publication No	: NA	2)ARAVA, Veera Reddy
(61) Patent of Addition to Application Number	:NA	3)CHINNAPILLAI, Rajendiran
Filing Date	:NA	4)MIDDEKADI, Anji Reddy
(62) Divisional to Application Number	:NA	5)MAKARAJU, Naresh Raju
Filing Date	:NA	6)JASTI, Venkateswarlu

### (57) Abstract:

The present invention relates to process for the preparation of 7-[4-(4-fluorophenyl)-6-isopropyl-2-(N-methyl-N-methylsulfonylamino)pyrimidin-5-yl]-(3R,5S)-dihydroxy-(E)-6-heptenoic acid calcium having formula (I). The compound of formula (I) has adopted name Rosuvastatin Calcium . The present invention is also related to novel intermediates of formula (4) and formula (5) used in preparation of formula (I), and process of their preparation.

No. of Pages: 33 No. of Claims: 23

(21) Application No.3445/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: VEHICLE-MOUNTED STRUCTURE OF BATTERY PACK

(31) Priority Document No       :20         (32) Priority Date       :07	A 2)Atsushi HORIUCHI A A A A A
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#### (57) Abstract:

In a vehicle-mounted structure of a battery pack, the battery pack includes an upper case and a lower case joined to each other to form a storage space for a battery. Each of the upper and lower cases incudes a flanged opening edge at an edge of a corresponding opening end of the storage space for the battery. The flanged opening edges of the upper and lower cases is joined to each other while a seal member is sandwiched between the flanged opening edges of the upper and lower cases. A front portion of the flanged opening edge of each of the upper and lower cases is located between the right and left suspensions. A corner of the front portion is formed with an inclined flange, and the inclined flange is inclined obliquely inward and forward. 0020

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

(21) Application No.3580/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A SYSTEM AND METHOD TO ALLOW COEXISTENCE OF WPAN OPERATION IN WIFI CHANNEL

(51) International classification	:G06C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG R&D INSTITUTE INDIA-BANGALORE
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :# 2870, Orion Building, Bagmane
(86) International Application No	:NA	Constellation Business Park, Outer Ring Road, Doddanekundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore-560037. Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Ranjeet Kumar Patro
Filing Date	:NA	2)Sushanth Gajanan
(62) Divisional to Application Number	:NA	3)Thenmozhi Arunan
Filing Date	:NA	

### (57) Abstract:

A system and method providing coexistence between a WPAN coordinator and WLAN Access Point (AP) is disclosed. The WPAN coordinator requests WLAN AP for WPAN operation in a selected WLAN channel. The WLAN AP responds with the allocated time limit for which the WPAN operation can be performed. After expiration of the allocated time limit, the WPAN coordinator relinquishes the channel to the WLAN AP. The method addresses the operation of the WPAN system in 2.4 GHz ISM band when a non-overlapping WPAN channel selection is infeasible.

No. of Pages: 40 No. of Claims: 30

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR SUPPORTING JIT IN A SECURE SYSTEM WITH RANDOMLY ALLOCATED MEMORY RANGES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G06F :13/008880 :18/01/2011 :U.S.A. :PCT/US20	(71)Name of Applicant: 1)APPLE INC. Address of Applicant: 1 Infinite Loop Cupertino CA 95014 U.S.A. (72)Name of Inventor:
Filing Date	12/02 1696 :18/01/2012	1)VIDRINE Jacques Anthony 2)DESAI Lionel Divyang
(87) International Publication No	:WO 2012/099945	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed herein are systems methods and non transitory computer readable storage media for processing just in time code at a device that enforces a code signing requirement. The disclosure includes receiving computer code where a portion of the code includes executable just in time code at a device that enforces a code signing requirement; identifying the unsigned just in time executable portion of code; allocating a randomly selected memory region on the device for at least some of the unsigned just in time executable portion of code in the randomly selected memory region as if the unsigned just in time executable portion of code was signed computer code.

No. of Pages: 27 No. of Claims: 20

(21) Application No.6311/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: HANDHELD COMPUTING DEVICE

(51) International classification	n:G06F1/16,H04M1/02,H05K5/04	(71)Name of Applicant
(31) Priority Document No	:61/292,739	1)APPLE INC.
(32) Priority Date	:06/01/2010	Address of Applicant :1 Infinite Loop Cupertino California
(33) Name of priority country		95014 U.S.A.
(86) International Application	:PCT/US2010/046857	(72)Name of Inventor:
No	:26/08/2010	1)TERNUS John P.
Filing Date	.20/08/2010	2)MCCLURE Stephen R.
(87) International Publication	:WO 2011/084182 A1	3)BANKO Joshua D.
No	.,, 6 2011, 66 1162111	4)YU Ming
(61) Patent of Addition to	:NA	
Application Number Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A portable computing device is disclosed. The portable computing device can take many forms such as a laptop computer a tablet computer and so on. The portable computing device can include at least a single piece housing. The single piece housing includes a plurality of steps. The plurality of mounting steps is formed by at least removing a preselected amount of housing material at predetermined locations on the interior surface. At least some of the mounting steps are used to mount at least some of the plurality of internal operating components to the housing.

No. of Pages: 34 No. of Claims: 9

(21) Application No.5290/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METALLURGICAL FURNACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:F27B7/22,C21C5/46,C21C5/50 :20096386 :22/12/2009 :Finland :PCT/FI2010/051074 :22/12/2010 :WO 2011/077009 A1 :NA :NA	(71)Name of Applicant:  1)OUTOTEC OYJ Address of Applicant:RIIHITONTUNTIE 7, FI-02200 ESPOO Finland (72)Name of Inventor: 1)KAGSTROM, PER 2)LUNDIN, LARS 3)MARKLUND, SAM
` /	:NA :NA	

### (57) Abstract:

The invention relates to a metal—lurgical furnace, comprising a furnace body (1), a trunnion ring (2), and a pedestal structure (3). The furnace body (1) is arranged in the trunnion ring (2) rotatably about a rotation axis (A) by means of a supporting arrangement (4) compris—ing a bearing arrangement (5) between the trun—nion ring (2) and the furnace body (1). The sup-porting arrangement (4) comprises a first con—nection frame means (7) between the second connection frame means (8) between the bearing arrangement (5) and the trunnion ring (2). The second connection frame means (8) is connected to the trunnion ring (2) by a first attachment (9) providing for movements between the second connection frame means (8) and the trunnion ring (2).

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

(22) Date of filing of Application :02/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PARTITION DEFINED DETECTION METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:19/01/2011 :WO 2011/091063 A1	_/
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2011/091063 A1 :NA :NA	2)RHEES Brian K. 3)BURKE John P.
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Methods are disclosed for resolving measurement problems such problems in measuring chromosomal copy number. Some disclosed methods involve first selecting a primary assay element characteristic to partition. Such characteristic may be a source of experimental variability such as the GC content of measured DNA sequences. Additionally the disclosed methods may employ an abundance or copy number function to transform the assay element frequencies into an abundance dose copy number score or the like. In some cases the disclosed methods estimate an amount of certain fetal DNA in a sample. The methods can further compare the estimated amount to a measured amount of fetal DNA in the sample. The comparison can be used to determine the fetal sex or aneuploidy.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: NI FE CR BASED ALLOY AND ENGINE VALVE COATED WITH SAME

(51) International :C22C30/00,B23K9/04,B23K35/30 classification

:Japan

(31) Priority Document No :2011258396 :28/11/2011

(32) Priority Date (33) Name of priority

country

(86) International :PCT/JP2012/076636

Application No :15/10/2012 Filing Date

(87) International Publication: WO 2013/080684 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

:NA

(71)Name of Applicant:

1)FUKUDA METAL FOIL & POWDER CO. LTD.

Address of Applicant: 176 Nakanono cho Matsubara dori Muromachi Nishi iruShimogyo ku Kyoto shi Kyoto 6008435

Japan 2)NITTAN VALVE CO. LTD.

(72)Name of Inventor: 1)OTOBE Katsunori 2)NISHIMURA Shinichi 3)NAKAGAWA Kenji 4)IIO Masanami

(57) Abstract:

Filing Date

Provided is a surface hardening alloy which has a good shock resistance a good wear resistance and a good high temperature corrosion resistance and contains Fe that can be abundantly supplied and is less expensive. An Ni Fe Cr based alloy characterized by containing 0 20.0 mass% of Mo and 8.0 40.0 mass% of W a total of 20.0 40.0 mass% of Mo and W 20.0 50.0 mass% of Fe 12.0 36.0 mass% of Cr 1.0 2.5 mass% of B with the balance comprising Ni and unavoidable impurities and an engine valve coated with the same. The Ni Fe Cr based alloy may further contain not greater than 15.0 mass% in total of element(s) selected from among Co Mn Cu Si and C wherein it is preferred that the content of Co is not greater than 15.0 mass% the contents of Mn and Cu are each not greater than 5.0 mass% the content of Si is not greater than 2.0 mass% and the content of C is not greater than 0.5 mass%.

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

(21) Application No.6352/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POLYUREA MICROCAPSULES

(51) International classification	· ·	(71)Name of Applicant:
(31) Priority Document No	:11153486.3	1)FIRMENICH SA
(32) Priority Date	:07/02/2011	Address of Applicant :1 route des Jeunes P.O. Box 239 CH
(33) Name of priority country	:EPO	1211 Geneva 8 Switzerland
(86) International Application No	:PCT/EP2012/051567	(72)Name of Inventor:
Filing Date	:31/01/2012	1)OUALI Lahoussine
(87) International Publication No	:WO 2012/107323	2)JACQUEMOND Marline
(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 polyurea core shell microcapsules having a polyurea shell comprising the reaction product of a polyisocyanate with guanazole and an amino acid. The invention concerns the capsules themselves as well as perfuming compositions and perfumed articles containing them and a process for producing them.

No. of Pages: 34 No. of Claims: 15

(21) Application No.6355/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: INFLATABLE SLING AND METHOD FOR POSITIONING A PATIENT

(51) International :A61G7/10,A61G7/14,A61G1/044 classification

(31) Priority Document No :61/443901 (32) Priority Date :17/02/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/025440

:16/02/2012 Filing Date

(87) International Publication :WO 2012/112771 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)WOODLARK CIRCLE INC.

Address of Applicant :2261 Woodlark Circle Bethlehem PA

18017 U.S.A.

(72) Name of Inventor: 1)DAVIS David T.

### (57) Abstract:

An inflatable mattress sling having an inflatable torso support pad a first leg extending out from a first portion of the inflatable torso support pad and a second leg spaced from the first leg and extending out from a second portion of the inflatable torso support pad. The legs include straps attached to their inner and outer seams so as to facilitate lifting of a patient.

No. of Pages: 34 No. of Claims: 25

(22) Date of filing of Application :04/07/2012 (43) Publication Date : 13/02/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR OBJECT RATE LIMITING IN A MULTI CORE SYSTEM

(51) International classification :H04L12/28,H04L12/56 (71)Name of Applicant : (31) Priority Document No 1)CITRIX SYSTEMS INC. :12/645,860 (32) Priority Date Address of Applicant: 851 West Cypress Creek Road Fort :23/12/2009 (33) Name of priority country Lauderdale Florida 33309 U.S.A. :U.S.A. :PCT/US2010/061614 (72)Name of Inventor: (86) International Application No 1)RAJA Murali Filing Date :21/12/2010 (87) International Publication No :WO 2011/079137 A2 2)KAMATH Sandeep (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The present invention is directed towards systems and methods for managing a rate of request for an object transmitted between a server and one or more clients via a multi core intermediary device. A first core of the intermediary device can receive a request for an object and assume ownership of the object. The first core can store the object in shared memory along with a rate related counter for the object and generate a hash to the object and counter. Other cores can obtain the hash from the first core and access the object and counter in shared memory. Policy engines and throttlers in operation on each core can control the rate of access to the stored object.

No. of Pages: 149 No. of Claims: 20

(22) Date of filing of Application :04/07/2012 (43) Publication Date : 13/02/2015

:NA

# (54) Title of the invention: METHODS AND SYSTEMS FOR CROSS SITE FORGERY PROTECTION

(51) International classification	:H04L12/22	(71)Name of Applicant:
(31) Priority Document No	:12/645,924	1)CITRIX SYSTEMS INC.
(32) Priority Date	:23/12/2009	Address of Applicant :851 West Cypress Creek Road Fort
(33) Name of priority country	:U.S.A.	Lauderdale Florida 33309 U.S.A.
(86) International Application No	:PCT/US2010/061657	(72)Name of Inventor:
Filing Date	:21/12/2010	1)ANDERSON Craig
(87) International Publication No	:WO 2011/079153 A2	2)REDDY Anoop
(61) Patent of Addition to Application	:NA	3)KEINAN Yariv
Number		
Filing Date	:NA	
$\mathcal{E}$	27.4	
(62) Divisional to Application Number	:NA	

### (57) Abstract:

Filing Date

The present solution described herein is directed towards systems and methods to prevent cross site request forgeries based on web form verification using unique identifiers. The present solution tags each form from a server that is served out in the response with a unique and unpredictable identifier. When the form is posted the present solution enforces that the identifier being returned is the same as the one that was served out to the user. This prevents malicious unauthorized third party users from submitting a form on a user s behalf since they cannot guess the value of this unique identifier that was inserted.

No. of Pages: 169 No. of Claims: 22

(19) INDIA

(21) Application No.627/CHENP/2013 A

(22) Date of filing of Application :24/01/2013 (43) Publication Date: 13/02/2015

## (54) Title of the invention: SPRING AND MANUFACTURE METHOD THEREOF

(51) International :C22C38/18,B24C1/10,C21D7/06 classification

(31) Priority Document No :2010-175593 (32) Priority Date :04/08/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/068335

:04/08/2011 Filing Date

(87) International Publication :WO 2012/018144 A1 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)NHK SPRING CO. LTD.

Address of Applicant: 10 Fukuura 3 chome Kanazawa ku

Yokohama shi Kanagawa 2360004 Japan

(72) Name of Inventor: 1)SUZUKI Takeshi 2)ONO Yoshiki

3)KUROKAWA Shimpei 4)SHIBAIRI Kosuke

### (57) Abstract:

A spring having excellent fatigue resistance and manufacture method thereof are provided to reduce material costs and simplify the manufacturing process. The spring has components consisting of: C 0.5 0.7 wt%; Si 1.0 2.0 wt%; Mn 0.1 1.0 wt%; Cr 0.1 1.0 wt%; P less than 0.035 wt%; S less than 0.035 wt%; and the rest being iron and inevitable impurities. In an optional cross section the spring in the area ratio thereof has a structure containing 65% bainite and 4 13% austenite the mean carbon concentration in the austenite being 0.65 1.7%. When the equivalent circular diameter of the cross section is given as D (mm) the residual compressive stress layer is formed ranging up to 0.35 mm D/4 from the surface the maximum residual compressive stress is 800 2000 MPa the hardness of the center is 550 650 HV and a high hardness layer of 50 500 HV greater than the hardness of the center at a depth range of 0.05 0.3 mm from the surface.

No. of Pages: 47 No. of Claims: 11

(21) Application No.6360/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/07/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: RECIPROCATING ENGINE

(51) International classification (31) Priority Document No :2010020781 (32) Priority Date :01/02/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/000500

Filing Date :28/01/2011

(87) International Publication No :WO 2011/093106 A1

(61) Patent of Addition to  $\cdot NA$ **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

:F02F3/00,F02F1/18,F16J1/02 (71)Name of Applicant : 1)BANDO KIKO CO. LTD.

Address of Applicant: 4 60 Kanazawa 2 chome Tokushima

shi Tokushima 7700871 Japan (72) Name of Inventor:

1)BANDO Shigeru

#### (57) Abstract:

The provided reciprocating engine (1) has a gas chamber (4) bounded by the inside surface (8) of a cylinder and a top ring (5) second ring (6) and second land (7) of a piston (2). At the beginning of a power stroke a high pressure combustion gas (12) from above the piston (2) is introduced into the aforementioned gas chamber (4) via a gas hole (23) provided at the top (22) of the thrust side (10) of the inner surface (8) of the cylinder. This introduced high pressure combustion gas (12) supports the piston (2) from the thrust side (10). A half ring (13) is inserted inside the gas chamber (4) so as to be able to move up and down and so as to go on top of the second land (7) from the thrust side (10) with gaps (20) above and below. As the piston (2) reciprocates the half ring (13) moves up and down an amount corresponding to the size of the aforementioned gaps (20) thereby continually cleaning the inside of the gas chamber (4).

No. of Pages: 16 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :04/07/2012

(21) Application No.5856/CHENP/2012 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR GSLB SPILLOVER

(51) International classification	:H04L12/28	(71)Name of Applicant:
(31) Priority Document No	:12/645844	1)CITRIX SYSTEMS INC.
(32) Priority Date	:23/12/2009	Address of Applicant :851 West Cypress Creek Road Fort
(33) Name of priority country	:U.S.A.	Lauderdale Florida 33309 U.S.A.
(86) International Application No	:PCT/US2010/061623	(72)Name of Inventor:
Filing Date	:21/12/2010	1)RAJA Murali
(87) International Publication No	:WO 2011/079141	2)NARAYANA Raghav Somanahalli
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is directed towards systems and methods for global server load balancing spillover. An intermediary device providing global server load balancing (GSLB) identifies a spillover threshold for a first GSLB virtual server of the intermediary device. The first GSLB virtual server resolving DNS requests to a remote site of a plurality of remote sites. The intermediary device monitors spillover related statistics of each of a plurality of services at the plurality of remote sites establishes a first spillover aggregate statistic for the plurality of services determines that the first spillover aggregate statistic exceeds the spillover threshold for the first GSLB virtual server and receives a DNS request and directing the DNS request to a second GSLB virtual server of the intermediary device responsive to the determination.

No. of Pages: 137 No. of Claims: 24

(22) Date of filing of Application :06/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR POLICY BASED INTEGRATION TO HORIZONTALLY DEPLOYED WAN OPTIMIZATION APPLIANCES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H04L12/28 :12/645,796 :23/12/2009 :U.S.A. :PCT/US2010/061620	(71)Name of Applicant: 1)CITRIX SYSTEMS INC. Address of Applicant:851 West Cypress Creek Road Fort Lauderdale Florida 33309 U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:21/12/2010 :WO 2011/079140 A3	1)AGARWAL Mugdha 2)CHOUDHARY Akshat
(61) Patent of Addition to Application Number	:NA :NA	3)SONI Ajay
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure presents systems and methods for policy based redirection of network traffic by an intermediary device to a horizontally deployed WAN device. An intermediary receives a request from a client to access a server. The request was previously modified by a first WAN device to include information in a first option field of a transport layer. The intermediary may determine responsive to a redirection policy to send the request to a second WAN optimization device deployed horizontally from the intermediary instead of the server. The intermediary transmits the request to the second WAN optimization device while maintaining the information from the first option field. The intermediary device receives the request including the information in the first option field identifying the first WAN optimization device to the second WAN optimization device. The intermediary receives a modified request from the second WAN device the modified request determined by the intermediary to be sent to the destination server.

No. of Pages: 119 No. of Claims: 20

(22) Date of filing of Application: 13/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: CYLINDRICAL FOODSTUFF AND CYLINDRICAL FOODSTUFF CONTAINER THAT **CONTAINS SAME**

(51) International :B65D83/00,B65D65/26,B65D85/76

classification (31) Priority Document No :2010-077645

(32) Priority Date :30/03/2010 (33) Name of priority

:Japan country

(86) International :PCT/JP2011/055770 Application No

:11/03/2011 Filing Date

(87) International

:WO 2011/122305 A2 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

:NA Filing Date

(71)Name of Applicant:

1) Meiii Co. Ltd.

Address of Applicant :2 10 Shinsuna 1 chome Koutou ku

Tokyo 1368908 Japan (72)Name of Inventor: 1)TAMAI Shigeru 2)NAKATSUBO Tadashi

(57) Abstract:

Provided is a foodstuff container that presses and uses cylindrical foodstuffs contained in a cylindrical foodstuff container and a cylindrical foodstuff receptacle where cylindrical foodstuff is contained within said container. The foodstuff container is formed from: an outer sleeve that has a helical structure formed in the inner wall thereof; an inner sleeve at the upper end opening that is rotatably fitted within the outer sleeve and in which vertical grooves perforate the peripheral wall; and a support board that is equipped with projections the tips of which penetrate the inner sleeve grooves from the inner side to the outer side of said sleeve and are inserted into the helical structure of the outer sleeve. Due to rotation of the inner sleeve the support board moves up and down within the inner sleeve. The cylindrical foodstuff is contained in said foodstuff container and loaded on the support board. The peripheral wall of the cylindrical foodstuff is covered by a tubular wrapping material which can be cut at any point lengthwise but only in the circumferential direction.

No. of Pages: 27 No. of Claims: 7

(22) Date of filing of Application :23/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A METHOD FOR PREPARATION OF THE TETRASACCHARIDE LACTO N NEOTETRAOSE (LNNT) CONTAINING N ACETYLLACTOSAMINE

		(71)Nome of Applicant
		(71)Name of Applicant:
		1)GLYCOM A/S
(71) 1 4 1 1		Address of Applicant :Diplomvej 373 1. ~ DK 2800 Kongens
(51) International	:C07H1/00,C07H5/04,C07H15/203	Lyngby Denmark
classification	D. 2010 70060	(72)Name of Inventor:
(31) Priority Document No		1)BAJZA Istv;n
(32) Priority Date	:19/02/2010	2)DEKANY Gyula
(33) Name of priority	:Denmark	3) GOSTON K;roly
country	.Dominaria	4)P‰REZ Ignacio Figueroa
(86) International	:PCT/DK2011/050053	5)BOUTET Julien
Application No	:21/02/2011	6)HEDEROS Markus
Filing Date	.21/02/2011	7)HORV TH Ferenc
(87) International	:WO 2011/100980 A1	8)KOV CS P‰NZES Piroska
Publication No	. W O 2011/100/00/11	9)KR-GER Lars
(61) Patent of Addition to	:NA	10)R-HRIG Christoph
Application Number	:NA	11)SCHROVEN Andreas
Filing Date	.INA	12)VRASIDAS Ioannis
(62) Divisional to	·NIA	13)TRINKA Pter
Application Number	:NA	14)KALM R L;szl <sup>3</sup>
Filing Date	:NA	15)KOV CS Imre
_		16)DEMK Sindor
		17) GOSTON gnes
		18)RISINGER Christian

# (57) Abstract:

The present invention relates to a method for preparation of the tetrasaccharide lacto N neotetraose (LNnt formula (I)) especially in large scale as well as intermediates in the synthesis a new crystal form (polymorph) of LNnt and the use thereof in pharmaceutical or nutritional compositions.

No. of Pages: 60 No. of Claims: 22

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR ADJUSTING ICE SLAB BRIDGE THICKNESS AND INITIATE ICE HARVEST FOLLOWING THE FREEZE CYCLE

(51) International classification	:F25C1/00	(71)Name of Applicant :
(31) Priority Document No	:61/670,291	1
(32) Priority Date	:11/07/2012	
(33) Name of priority country	:U.S.A.	Wisconsin 542200, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Thomas H. ANTOINE
(87) International Publication No	: NA	2)Curt R. CAYEMBERG
(61) Patent of Addition to Application Number	:NA	3)Dean M. PETERSEN
Filing Date	:NA	4)Mark P. GIEBEL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and apparatus for adjusting and controlling ice bridge slab thickness and/or initiation of ice harvest following a freeze cycle. This adjusting and controlling is performed through the use of adjustable float clip assemblies which set the amount of water available for ice making in a batch process. The adjustable float clip assemblies provide an ice machine user with the ability to easily adjust the ice slab bridge thickness to a single or plurality of settings, and allow for changes in ice bridge slab thickness at the site of installation.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A HIGHLY ACCURATE POWER-ON RESET CIRCUIT WITH LEAST DELAY

(51) International classification	:H01J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CIREL SYSTEMS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :First Floor, A-Block, 60 Feet Road,
(33) Name of priority country	:NA	AECS Layout, Kundalahalli, Bangalore 560 037 Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Prasenjit BHOWMIK
(61) Patent of Addition to Application Number	:NA	2)Pranjal PANDEY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(75)		•

### (57) Abstract:

A power-on reset (POR) circuit for generating a POR signal includes a current source to generate an input current. The input current is a supply voltage dependent current. The POR circuit includes a first diode operable to receive the input current to output a first voltage signal. The first diode is electrically connected in series with a resistor. Further, the POR circuit includes a second diode operable to receive the input current to output a second voltage signal. Further, the POR circuit includes a comparator operable to receive the first voltage signal and the second voltage signal to generate the POR signal at a predefined trip point. The predefined trip point is a point at which the first voltage signal equals the second voltage signal. Furthermore, the POR circuit includes a temperature compensation circuit to compensate for the variation of the predefined trip point.

No. of Pages: 42 No. of Claims: 16

(21) Application No.445/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :18/01/2013 (43) Publication Date : 13/02/2015

:NA

### (54) Title of the invention: LIGHT EMITTING DEVICE HAVING SURFACE MODIFIED SILICATE LUMINOPHORES

(51) International classification	:H01L33/50	(71)Name of Applicant:
(31) Priority Document No	:10 2010 034 322.6	1)SEOUL SEMICONDUCTOR CO. LTD.
(32) Priority Date	:14/08/2010	Address of Applicant: 148 29 Gasan dong Geumcheon gu
(33) Name of priority country	:Germany	Seoul 153 801 Republic of Korea
(86) International Application No	:PCT/KR2011/005842	(72)Name of Inventor:
Filing Date	:11/08/2011	1)LEE Chung Hoon
(87) International Publication No	:WO 2012/023737	2)TEWS Walter
(61) Patent of Addition to Application	:NA	3)ROTH Gundula
Number		4)STARICK Detlef
Filing Date	:NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

Exemplary embodiments of the present invention relate to a light emitting device including a light emitting diode and a surface modified luminophore. The surface modified luminophore includes a silicate luminophore and a fluorinated coating arranged on the silicate luminophore.

No. of Pages: 42 No. of Claims: 16

(21) Application No.6040/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) P

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: HAND OPERATED CLEANING DEVICE AND MOP COVER

(51) International classification :A47L13/20,A47L13/254,A47L13/42

(31) Priority Document No:

(32) Priority Date :- (33) Name of priority

country :Argentina

(86) International

Application No :PCT/EP2011/066194

Filing Date :19/09/2011

(87) International Publication No :WO 2012/100845

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
NA
NA
NA
NA
NA
NA
NA

(71)Name of Applicant:

1)VERMOP SALMON GMBH

Address of Applicant : Zeppelinstrasse 24 82205 Gilching

Germany

(72)Name of Inventor: 1)SALMON Dirk

#### (57) Abstract:

Filing Date

A hand operated cleaning device comprises a handle (12) with a grip handle (14) and a securing device (24) which comprises two securing elements (26) and a cleaning head (18) which comprises two attachment elements (28) that are arranged and designed such that they can be coupled to the securing elements (26) of the handle (12) at least one securing element (26) and the associated attachment element (28) comprising permanent magnets (40 42) that are preferably embedded in the plastics material. The cleaning head can be a mop cover according to the invention which comprises a textile element (52) to which attachment elements (28) are secured at least one of the attachment elements (28) comprising a permanent magnet (42) protected from contact with liquid. The flat mop cover has a dimensionally stable design and can be directly coupled to a bar shaped handle (12). The attachment elements (28) of the mop cover are arranged and designed such as to form a detachable connection with the securing elements (26) of the handle (12).

No. of Pages: 49 No. of Claims: 33

(21) Application No.657/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: METHOD FOR PRODUCING NON ORIENTED MAGNETIC STEEL SHEET

(51) International :C21D9/46,C22C38/00,C22C38/06 classification

(31) Priority Document No :2010-191714 (32) Priority Date :30/08/2010

(33) Name of priority

:Japan country

(86) International :PCT/JP2011/069136 Application No

:25/08/2011 Filing Date

(87) International Publication: WO 2012/029621 A1 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

(71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72)Name of Inventor: 1)ZAIZEN Yoshiaki 2)ODA Yoshihiko

3)KOHNO Masaaki

#### (57) Abstract:

Filing Date

Disclosed is a method for producing a non oriented magnetic steel sheet wherein a steel slab that consists of 0.01 0.1 mass% of C 4 mass% or less of Si 0.05 3 mass% of Mn 3 mass% or less of Al 0.005 mass% or less of S 0.005 mass% or less of N and the balance made up of Fe and unavoidable impurities is subjected to hot rolling cold rolling and final annealing. By carrying out the final annealing while setting the average heating rate during the heating to 100°C/sec or more and setting the soaking temperature within the temperature range of 750 1100°C a non oriented magnetic steel sheet that has extremely increased magnetic flux density in the rolling direction of the steel sheet is advantageously produced.

No. of Pages: 17 No. of Claims: 3

(21) Application No.5762/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/07/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: LIGHTING DEVICE WITH POLYMER CONTAINING MATRICES

(51) International :C09K11/00,H05B33/14,H01L33/58 classification

(31) Priority Document No :10196240.5 (32) Priority Date :21/12/2010 (33) Name of priority :EPO

country

(86) International

:PCT/IB2011/055705 Application No

:15/12/2011 Filing Date

(87) International

:WO 2012/085780 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)KONINKLIJKE PHILIPS ELECTRONICS N.V.

Address of Applicant : High Tech Campus 5 NL 5656 AE

Eindhoven Netherlands (72)Name of Inventor:

1)VAN BOMMEL Ties

2)HIKMET Rifat Ata Mustafa

3)VERBEEK Roy Gerardus Franciscus Antonius

4)WEGH Ren Theodorus

5)DEEBEN Josephus Paulus Augustinus

#### (57) Abstract:

The invention provides a lighting device (1) comprising (a) a light source (100) for producing light source light (110) and (b) a transparent converter device (200) for converting at least part of the light source light (110) wherein the transparent converter device (200) comprises a first polymer containing matrix (201) containing discrete particles (210) wherein the discrete particles (210) comprise a second polymer containing matrix with luminescent material (212) dispersed therein.

No. of Pages: 23 No. of Claims: 21

(22) Date of filing of Application :02/07/2012 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: COLD ROLLED STEEL PLATE AND METHOD FOR PRODUCING SAME

(51) International :C22C38/12,C22C38/14,C21D8/02

classification

:Japan

(31) Priority Document No :2010-006554 :15/01/2010 (32) Priority Date

(33) Name of priority

country

(86) International

:PCT/JP2011/050586 Application No :07/01/2011

Filing Date

(87) International Publication :WO 2011/087107 A1

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

**Application Number** :NA

Filing Date

### (71)Name of Applicant:

#### 1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chivoda

ku Tokyo 1000011 Japan (72)Name of Inventor: 1)TAKAJO Shigehiro

2)FUJITA Koichiro 3)HANAZAWA Kazuhiro

4)KIZU Taro

#### (57) Abstract:

There are provided a cold rolled steel having excellent formability, shape fixability and practical manufacturing stability, and a method for manufacturing the steel sheet. The chemical composition of the cold rolled steel sheet is, by mass%, C: 0.0010% or more and 0.0030% or less, Si: 0.05% or less, Mn: 0.1% or more and 0.3% or less, P: 0.05% or less, S: 0.02% or less, Al: 0.02% or more and 0.10% or less, N: 0.005% or less, Nb: 0.010% or more and 0.030% or less, B: satisfying the relationship 0.0010% < B-11/14xN < 0.0050%, and the balance being Fe and inevitable impurities. The mean elongation (Elm) is 42% or more and a mean Lankford Value (rm) is 1.2 or more and 1.6 or less. The steel sheet can be stably manufactured without precise control of soaking temperature by annealing after cold rolling at a soaking temperature of a temperature depending on rolling reduction CR(%), Nb content (ppm by mass) and B content (ppm by mass) and determined by using (820+Nb/15+B-CR) or higher and 860°C or lower for a holding time of 30 or more and 200 or less seconds.

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

(22) Date of filing of Application :14/02/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING TADALFIL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K31/00 :NA :NA :NA	(71)Name of Applicant:  1)AUROBINDO PHARMA LTD  Address of Applicant: PLOT NO.2, MAITRIVIHAR,  AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor:  1)BHAVANASI KRISHNA MURTHY
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)VISHNUBHOTLA NAGAPRASAD 3)MANCHALA RAMESH
Filing Date	:NA	4)MEENAKSHISUNDERAM SIVAKUMARAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Pharmaceutical compositions comprising tadalafil or a pharmaceutical acceptable salt thereof are provided. The present invention also relates to a process for preparation of pharmaceutical compositions comprising tadalafil or a pharmaceutically acceptable salt thereof. The present invention also relates to method of administering the compositions comprising tadalafil in a subject in need thereof.

No. of Pages: 20 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application :31/07/2012

(21) Application No.6740/CHENP/2012 A

(43) Publication Date: 13/02/2015

## (54) Title of the invention: NON CENTRIC OXY FUEL BURNER FOR GLASS MELTING SYSTEMS

(51) International classification	:F23C5/08	(71)Name of Applicant :
(31) Priority Document No	:12/651506	1)LINDE AKTIENGESELLSCHAFT
(32) Priority Date	:04/01/2010	Address of Applicant :Klosterhofstr. 1 80331 Munich
(33) Name of priority country	:U.S.A.	Germany
(86) International Application No	:PCT/US2010/061785	(72)Name of Inventor:
Filing Date	:22/12/2010	1)RICHARDSON Andrew P.
(87) International Publication No	:WO 2011/082062	2)WAINFORD John Allen
(61) Patent of Addition to Application	:NA	3)SIMPSON Neil
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A burner for use in a combustion chamber of a furnace or a forehearth includes a gas delivery member for delivering a gaseous oxidant a fuel delivery member for delivering a fuel and having a portion disposed at an interior of the gas delivery member and offset from a longitudinal axis of the gas delivery member and a flange assembly mechanically associated with the gas and fuel delivery members the flange assembly adapted for rotational movement to releasably secure the gas and fuel delivery members with respect to each other to provide a flame footprint at a select location in the combustion chamber.

No. of Pages: 34 No. of Claims: 18

(21) Application No.6741/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: FUEL COMPOSITIONS

(51) International :C10L1/22,C10L10/06,C10L10/18 classification

(31) Priority Document No :1001920.6 (32) Priority Date :05/02/2010

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2011/050196

:04/02/2011 Filing Date

(87) International Publication :WO 2011/095819 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)INNOSPEC LIMITED

Address of Applicant :Innospec Manufacturing Park Oil Sites Road Ellesmere Port Cheshire CH65 4EY U.K.

(72)Name of Inventor: 1)REID Jacqueline 2)BURGESS Vince

3)MULQUEEN Simon

#### (57) Abstract:

A diesel fuel composition comprising as an additive a quaternary ammonium salt formed by the reaction of a compound of formula (A): and a compound formed by the reaction of a hydrocarbyl substituted acylating agent and an amine of formula (B1) or (B2): wherein R is an optionally substituted alkyl alkenyl aryl or alkylaryl group; R is a C to C alkyl aryl or alkylaryl group; R and R are the same or different alkyl groups having from 1 to 22 carbon atoms; X is an alkylene group having from 1 to 20 carbon atoms; n is from 0 to 20; m is from 1 to 5; and R is hydrogen or a C to C alkyl group.

No. of Pages: 48 No. of Claims: 17

(21) Application No.5221/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 13/02/2015

### (54) Title of the invention: TRACK FEED BATTERY CHARGER CHANGEOVER SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)SALZER ELECTRONICS LIMITED  Address of Applicant: 378/B, SALZER ELECTRONICS  LTD., SAMICHETTIPALAYAM, COIMBATORE - 641 047  Tamil Nadu India (72)Name of Inventor:  1)D. RAJESHKUMAR  2)S. ASOKAN
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a track feed battery charger changeover system, more specifically, relates to a microcontroller based track feed battery charger changeover circuit to provide safe and reliable breaking of DC battery current using AC relays. The system of the present invention connects automatically to a standby battery charger to track field battery when a primary battery charger fails and automatically reconnects to the primary battery charger when the same is rectified or replaced.

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

(21) Application No.5812/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : IMPROVEMENTS TO THE LUBRICATION OF THE SEATS OF A CAMSHAFT AND A ROCKER ARM SHAFT IN AN INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:F01M9/10 :NA :NA :NA :PCT/ES2009/070624 :23/12/2009 :WO 2011/086201 :NA	(71)Name of Applicant:  1)AMADEO MARTI CARBONELL S.A. Address of Applicant: Carretera Villavieja Km. 0800.  Nºmero 76 E 12520 Nules (Castell³n) Spain  (72)Name of Inventor:  1)MART OGAYAR Amadeo  2)MART OGAYAR Sergio
	:NA :NA	G C C C C C C C C C C C C C C C C C C C
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to improvements that essentially comprise a novel arrangement of the lubricant lines that start at a deep transverse bore made in the cylinder head of the engine characterised in that the lubricating oil line follows a path that reaches via a first front line each seat of the camshaft with a second rear line starting at said seat and connecting to each seat of the rocker arm shaft.

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

(19) INDIA

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

(21) Application No.5999/CHENP/2013 A

(43) Publication Date: 13/02/2015

#### (54) Title of the invention: MEDICAMENT DELIVERY DEVICE

(51) International classification (31) Priority Document No :11500766 (32) Priority Date :03/02/2011 (33) Name of priority country :Sweden

(86) International Application No :PCT/SE2012/050096 Filing Date :31/01/2012

(87) International Publication No :WO 2012/105898

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:A61M5/20,A61M5/315 (71)**Name of Applicant :** :11500766 **1)SHL GROUP AB** 

> Address of Applicant :IP Department Box 1240 Augustendalsvgen 19 S 13128 Nacka Strand Sweden

(72)Name of Inventor: 1)HOLMQVIST Anders

2)L-F Stefan

#### (57) Abstract:

A medicament delivery device for a reconstituted medicament comprising a proximal housing part (12; 12; 12) a distal housing part (10; 10; 10; 10) a medicament delivery drive unit and actuation means wherein the medicament delivery drive unit is mounted in said distal housing part and wherein the actuation means further include an activation member (74; 101; 201) which is displaceable between an inactive position wherein the actuator is prevented from engaging the medicament delivery drive unit and an active position wherein the actuator is able to engage the medicament delivery drive whereby the actuator is capable of interacting with said medicament delivery drive unit to perform a delivery of the reconstituted medicament only in the active position of the activation member and in the second position of the medicament delivery drive unit.

No. of Pages: 49 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :30/07/2013

(21) Application No.6101/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: NITRIDE GATE DIELECTRIC FOR GRAPHENE MOSFET

(31) Priority Document No:13(32) Priority Date:18(33) Name of priority country:U.(86) International Application No:PCFiling Date:08	8/051707 8/03/2011 .S.A. CT/US2012/028172 18/03/2012 TO 2012/128956 A A	(71)Name of Applicant:  1)INTERNATIONAL BUSINESS MACHINES CORPORATION Address of Applicant: New Orchard Road Armonk NY 10504 U.S.A. (72)Name of Inventor: 1)AVOURIS Phaedon 2)NEUMAYER Deborah A. 3)ZHU Wenjuan
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### (57) Abstract:

A semiconductor structure which includes a substrate; a graphene layer on the substrate; a source electrode and a drain electrode on the graphene layer the source electrode and drain electrode being spaced apart by a predetermined dimension; a nitride layer on the graphene layer between the source electrode and drain electrode; and a gate electrode on the nitride layer wherein the nitride layer is a gate dielectric for the gate electrode.

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

(21) Application No.6419/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 13/02/2015

# (54) Title of the invention : PYRROLOPYRAZINE SPIROCYCLIC PIPERIDINE AMIDES AS MODULATORS OF ION CHANNELS

(51) International (71)Name of Applicant: :C07D471/20,A61K31/4985,A61P25/00 1)VERTEX PHARMACEUTICALS INCORPORATED classification (31) Priority Document Address of Applicant: 130 Waverly Street Cambridge MA :61/438685 02139 U.S.A. No (32) Priority Date (72)Name of Inventor: :02/02/2011 (33) Name of priority 1)HADIDA RUAH Sara S. :U.S.A. country 2)KALLEL Edward Adam (86) International 3)MILLER Mark Thomas :PCT/US2012/023593 Application No 4)ARUMUGAM Vijayalaksmi :02/02/2012 Filing Date 5)MCCARTNEY Jason (87) International 6)ANDERSON Corey :WO 2012/106499 Publication No 7)GROOTENHUIS Peter Diederik Jan (61) Patent of Addition 8)JIANG Licong :NA to Application Number :NA Filing Date

#### (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The invention relates to pyrrolopyrazine spirocyclic piperidine amide compounds useful as inhibitors of ion channels. The invention also provides pharmaceutically acceptable compositions comprising the compounds of the invention and methods of using the compositions in the treatment of various disorders.

No. of Pages: 471 No. of Claims: 37

:NA

:NA

(21) Application No.676/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date: 13/02/2015

(54) Title of the invention: METHOD OF INCREASING RESISTANCE AGAINST SOYBEAN RUST IN TRANSGENIC PLANTS BY ADR 1 GENE

(51) International :C12N15/82,A01H1/00,C12N15/05

classification

(31) Priority Document No :61/375053 (32) Priority Date :19/08/2010 (33) Name of priority

:U.S.A. country

(86) International

:PCT/IB2011/053615 Application No

:16/08/2011 Filing Date

(87) International

:WO 2012/023099 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)BASF Plant Science Company GmbH

Address of Applicant :67056 Ludwigshafen Germany

2)BASF (China) Company Limited

(72)Name of Inventor: 1)Schulthei Holger

The present invention relates to a method of increasing resistance against soybean rust in transgenic plants and/or plant cells. In these plants the content and/or the activity of an ADR 1 protein are increased in comparison to the wild type plants not including a recombinant ADR 1 gene.

No. of Pages: 49 No. of Claims: 12

<sup>(57)</sup> Abstract:

(22) Date of filing of Application :06/07/2012 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: CATHETER DEVICES AND DRAINAGE SYSTEMS FOR DELIVERING THERAPEUTIC **AGENTS**

(51) International :A61M25/01,A61M27/00,A61M5/14 classification

(31) Priority Document No :12/695,899 (32) Priority Date :28/01/2010

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2011/023042 Application No

:28/01/2011 Filing Date

(87) International

:WO 2011/097140 A2 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)WARSAW ORTHOPEDIC INC.

Address of Applicant :2500 Silveus Crossing Warsaw

Indiana 46581 U.S.A. (72)Name of Inventor: 1)KING Vanja Margareta 2)BLOCK Julie H.

#### (57) Abstract:

A catheter for drainage of a wound and delivery of a therapeutic agent at or near the wound of a patient is provided. The catheter comprises: a proximal end configured to receive the therapeutic agent and permit passage of bodily fluid the proximal end configured to be coupled to a drainage tube and/or a therapeutic agent delivery device; a distal end for insertion at or near the wound; and a body disposed between the proximal end and distal end of the catheter and configured to receive the therapeutic agent from the proximal end of the catheter the body having a first set of holes configured to allow passage of the therapeutic agent from the proximal end to a site at or near the wound and the body having a second set of holes configured to allow drainage of bodily fluid from the wound into the catheter.

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

(21) Application No.5968/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/07/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: CERTAIN CHEMICAL ENTITIES COMPOSITIONS AND METHODS

:C07J19/00,A61K31/585,A61P35/00 (71)Name of Applicant : (51) International

classification

(31) Priority Document No :61/295,177 (32) Priority Date :15/01/2010 (33) Name of priority

:U.S.A. country

(86) International :PCT/CN2011/000065 Application No

:14/01/2011 Filing Date

(87) International

:WO 2011/085641 A1 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

1)SUZHOU NEUPHARMA CO. LTD.

Address of Applicant :Suite A3 307 218 Xinghu Road Suzhou Industrial Park Suzhou Jiangsu 215123 China

(72)Name of Inventor: 1)QIAN Xiangping

(57) Abstract:

Chemical entities that are bufalin derivatives pharmaceutical compositions and methods of treatment of cancer are described.

No. of Pages: 48 No. of Claims: 31

(22) Date of filing of Application :31/07/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: RUBBER COMPOSITION AND PNEUMATIC TIRE

(51) International :C08L15/00,C08F8/00,C08F230/08 classification

(31) Priority Document No :2011064575 (32) Priority Date :23/03/2011 (33) Name of priority :Japan

country

(86) International

:PCT/JP2012/057344 Application No :22/03/2012

Filing Date (87) International

:WO 2012/128320 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

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(72)Name of Inventor: 1)KUNISAWA Tetsuva 2)TSUCHIDA Tsuvoshi 3)UESAKA Kenichi 4)TSUMORI Isamu 5)OTAKE Reika 6)OKABE Noboru 7)OMURA Naoya 8)TANAKA Tatsuhiro 9)TAGUCHI Takafumi 10)WATANABE Kenya 11)IIZUKA Toru

(57) Abstract:

The present invention provides a rubber composition that enables significant improvement in fuel economy and balance between wet grip performance and wear resistance and a pneumatic tire that uses the rubber composition. The present invention relates to a rubber composition comprising a rubber component silica and a silane coupling agent; the content ratio of a conjugated diene based polymer being at least 5% by mass in 100% by mass of the rubber component the conjugated diene based polymer having constituent units based on a conjugated diene and constituent units represented by formula (I) and at least one end of the polymer being modified by a specific compound; the content ratio of the silica being 5 150 parts by mass with respect to 100 parts by mass of the rubber component; and the silane coupling agent having a mercapto group.

No. of Pages: 199 No. of Claims: 19

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

#### (54) Title of the invention: ABSORBENT BODY MANUFACTURING DEVICE AND MANUFACTURING METHOD

(51) International (71)Name of Applicant: :A61F13/15,A61F13/49,A61F13/53 classification 1)UNI CHARM CORPORATION (31) Priority Document No :2011023097 Address of Applicant: 182 Kinseichoshimobun Shikokuchuo (32) Priority Date :04/02/2011 shi Ehime 7990111 Japan (33) Name of priority (72)Name of Inventor: :Japan 1)HOSHIKA Kazuhiko country (86) International :PCT/JP2012/051795 Application No :27/01/2012 Filing Date (87) International :WO 2012/105443 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

A device for manufacturing an absorbent body by depositing in a deposit part (21) liquid absorbing fibers that are in a first gas flowing inside a duct (31). The device comprises: the deposit part (21) which moves in a predetermined movement pathway; the duct (31) which sprays the liquid absorbing fibers from a spray port (31a) disposed facing the movement pathway; a particulate matter ejecting tube (41) the tip part of which is inserted into the duct (31) and which ejects a second gas into which particulate matter was mixed from the ejection port (41a) of the tip part; and a movable restricting part (50) which restricts the flow path of the particulate matter ejection tube (41) and changes the ejection and distribution of the particulate matter. The movable restricting part (50) operates in conjunction with the movement of the deposit part (21).

No. of Pages: 51 No. of Claims: 7

(21) Application No.698/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: TWO-WHEELED AUTOMOTIVE VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B60G17/00 :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006. Tamil
(86) International Application No Filing Date	:NA :NA	Nadu India (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	1)MALUVADU SUNDARAMAN ANANDKUMAR 2)KOTHURU NARAYANA HARSHA 3)VIJAYA BHASKAR ADIGA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A two-wheeled automotive vehicle which provides an alternative suspension system and avoids drawbacks inherent in the telescopic fork tube front suspension arrangement used in conventional two wheeled automotive vehicles. The invention discloses a motorcycle with single suspension for the entire vehicle thus providing much improvement in vehicle stability and a very significant reduction in parts count and weight of the suspension system, which further leads to lessened manufacturing costs and assembly time.

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

(22) Date of filing of Application :06/07/2012 (43) Publication Date : 13/02/2015

## (54) Title of the invention : SYSTEMS AND METHODS FOR MAINTAINING TRANSPARENT END TO END CACHE REDIRECTION

(51) International :H04L12/24,H04L29/06,G06F15/16

classification (31) Priority Document No :12/645974 (32) Priority Date :23/12/2009

(33) Name of priority country :U.S.A.

(86) International

Application No Filing Date :PCT/US2010/061599

(87) International

Publication No :WO 2011/079131

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant: 1)CITRIX SYSTEMS INC.

Address of Applicant :851 West Cypress Creek Road Fort

Lauderdale Florida 33309 U.S.A. (72)Name of Inventor:

1)ANNAMALAISAMI Sarayanakumar

2)SHETTY Anil

3)SUGANTHI Josephine 4)CHOUDHARY Akshat

#### (57) Abstract:

The present disclosure presents systems and methods for maintaining original source and destination IP addresses of a request while performing intermediary cache redirection. An intermediary receives a request from a client destined to a server identifying a client IP address as a source IP address and a server IP address as a destination IP address. The intermediary transmits the request to a cache server the request maintaining original IP addresses and identifying a MAC address of the cache server as the destination MAC address. The intermediary receives the request from the cache server responsive to a cache miss the received request maintaining the original source and destination IP addresses. The intermediary identifying that the third request is coming from the cache server via one or more data link layer properties of the third transport layer connection. The intermediary transmits to the server the request identifying the client IP address as the source IP address and the server IP address as the destination IP address.

No. of Pages: 131 No. of Claims: 22

(21) Application No.6171/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 13/07/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: TRANSPORT SYSTEM FOR SHEET MATERIAL

(51) International classification :B65H5/22,B65H29/58 (71)Name of Applicant : (31) Priority Document No :2010100906 (32) Priority Date :13/01/2010 (33) Name of priority country :Russia :PCT/EP2011/000104 (86) International Application No Filing Date :12/01/2011

(87) International Publication No :WO 2011/085975 A1

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)Giesecke & Devrient GmbH

Address of Applicant :Prinzregentenstrae 159 81677

M<sup>1</sup>/<sub>4</sub>nchen Germany (72)Name of Inventor: 1)GALKIN Andrey

#### (57) Abstract:

The invention provides a transport system for sheet material comprising a conveyor belt charged with a vacuum and a vacuum chamber providing the vacuum to charge the conveyor belt while moving along the vacuum chamber in a transport direction wherein the conveyor belt is permeable to air by recesses having specified distances to each other and air nozzles arranged at a deflection position inside the vacuum chamber wherein the air nozzles are arranged to have specified distances to each other correlating with the distances of the recesses in the conveyor belt to allow pressurized air charged to the air nozzles to pass through the recesses in the conveyor belt.

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

(21) Application No.653/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR RECONTOURING A COMPRESSOR OR TURBINE BLADE OR VANE FOR A GAS TURBINE

(51) International classification	n:B23P6/00,F01D5/00,B23K26/00	(71)Name of Applicant
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:10 2010 036 042.2 :31/08/2010	1)LUFTHANSA TECHNIK AG Address of Applicant: Weg beim Jger 193 22335 Hamburg Germany (72)Name of Inventor:
No Filing Date	:22/08/2011	1)CZERNER Stefan
(87) International Publication No	:WO 2012/028267 A1	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method for recontouring a compressor or turbine blade or vane (1) for a gas turbine wherein the inlet edge (2) of the compressor or turbine blade or vane (1) is melted in a targeted manner by an energy beam (8) at least in a partial region in such a manner that the material solidifies substantially without the addition of additional material to form a new contour (5).

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

(21) Application No.690/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/02/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: A PROCESS FOR THE PREPARATION IVACAFTOR AND ITS INTERMEDIATES

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LAURUS LABS PRIVATE LTD
(32) Priority Date	:NA	Address of Applicant :2ND FLOOR, SERENE CHAMBERS
(33) Name of priority country	:NA	ROAD, #7, BANJARA HILLS, HYDERABAD - 500 034
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SURESH THATIPALLY
(61) Patent of Addition to Application Number	:NA	2)VENKATA LAKSHMI NARASIMHA RAO
Filing Date	:NA	DAMMALAPATI
(62) Divisional to Application Number	:NA	3)SEETA RAMANJANEYULU GORANTLA
Filing Date	:NA	4)SATYANARAYANA CHAVA

## (57) Abstract:

The present invention provides novel intermediates of ivacaftor and process for its preparation. The present invention also provides process for the preparation of ivacaftor and pharmaceutically acceptable salt thereof using novel intermediates.

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

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: COVALENT IMMOBILIZATION OF MOLECULES COMPRISING AN AMINO GROUP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:27/07/2011 :WO 2012/013693 :NA :NA	(71)Name of Applicant:  1)LAB ON A BEAD AB  Address of Applicant: Toftebergsvgen 7 S 442 75 Lycke Sweden  (72)Name of Inventor:  1)OSCARSSON Sven  2)ERIKSSON Kristofer  3)NYHOLM Leif
Filing Date (62) Divisional to Application Number Filing Date		

#### (57) Abstract:

There is provided a method for covalent immobilization of at least one molecule comprising at least one amino group said method comprising the sequential steps of: a) providing a surface comprising SH groups b) oxidizing the surface comprising SH groups using redox reactions in the presence of noble metal ions and c)contacting the surface with at least one molecule comprising at least one amino group to obtain a covalent binding of the at least one molecule to the surface wherein said at least one amino group is involved in obtaining said covalent bond. The immobilized molecules are immobilized via stable covalent bonds. The method is more versatile since it can be performed as a one step method. All reaction steps are performed in aqueous solution. All steps can be performed at room temperature. The chemicals used are less expensive and less toxic compared to the prior art.

No. of Pages: 28 No. of Claims: 27

(19) INDIA

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

(21) Application No.5333/CHENP/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: SEAL RING

(51) International :F16J15/20,C08K3/00,C08L101/00 classification

(31) Priority Document No :2011006156 (32) Priority Date :14/01/2011

(33) Name of priority :Japan

country

(86) International :PCT/JP2012/050637

Application No :13/01/2012

Filing Date (87) International Publication: WO 2012/096387

No

:NA

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number

(71)Name of Applicant:

1)KABUSHIKI KAISHA RIKEN

Address of Applicant: 13 5 Kudankita 1 chome Chiyoda Ku

Tokyo 1028202 Japan (72)Name of Inventor: 1)ITO Hiroshi

2)OOWADA Akihiro

#### (57) Abstract:

Filing Date

Provided is a seal ring manufactured from a mixture containing a soft resin made of at least one kind of a thermoplastic elastomer and dynamic crosslinked resin and a hard resin made of a thermoplastic resin such that after being used for an extended period of time as a seal ring to be used solo the seal ring can maintain close contact with an inner peripheral surface of a housing in a zero load state where no hydraulic pressure is generated to prevent leakage of oil effectively. The mixture constituting the seal ring preferably exhibits a compression permanent deformation equal to or less than 95% after being immersed in lubricating and hydraulic oil at 150°C for 100 hours.

No. of Pages: 27 No. of Claims: 5

:NA

:NA

(19) INDIA

(22) Date of filing of Application :29/06/2012 (43) Publication Date : 13/02/2015

### (54) Title of the invention: ADAPTIVE CONTROL SYSTEM FOR FUEL INJECTORS AND IGNITERS

(51) International classification	:F02D41/20,F02D41/04,F02D41/14	(71)Name of Applicant: 1)MCALISTER TECHNOLOGIES, LLC
(31) Priority Document No	:12/653,085	Address of Applicant :2350 W SHANGRI LA PHOENIX,
(32) Priority Date	:07/12/2009	AZ 85029 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)MCALISTER, ROY, E.
(86) International Application No Filing Date	:PCT/US10/054364 :27/10/2010	
(87) International Publication No	:WO 2011/071608 A2	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to	·N A	

#### (57) Abstract:

Application Number

Filing Date

The present disclosure is directed to systems and methods for adjusting the operation of a gasoline-fueled engine based on monitored conditions within a combustion chamber of the engine. In some cases, the system monitors regions within the combustion chamber, identifies or de-termines a satisfactory condition, and applies an ionization voltage to a fuel injector to initiate a combustion event during the satisfactory condition. In some cases, the system monitors the conditions within the combus—tion chamber, determines a monitored condition is associated with an ad-justment, and adjusts a parameters of a combustion event in order to adjust ionization levels within a combustion chamber.

No. of Pages: 44 No. of Claims: 20

(12) TATENT ATTLICATION TOBLICATION

(21) Application No.741/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 13/02/2015

:NA

#### (54) Title of the invention: METHOD FOR MANUFACTURING A FAT SOLUBLE BIOACTIVE SUBSTANCE

(51) International classification :C12P7/66,B01D11/04 (71)Name of Applicant : (31) Priority Document No 1)KANEKA CORPORATION :2010164531 (32) Priority Date Address of Applicant: 3 18 Nakanoshima 2 chome Kita ku :22/07/2010 (33) Name of priority country Osaka shi Osaka 5308288 Japan :Japan (86) International Application No (72)Name of Inventor: :PCT/JP2011/066764 1)KANAYA Kento Filing Date :22/07/2011 (87) International Publication No :WO 2012/011589 2)SUZUKI Yasuyuki (61) Patent of Addition to Application 3)KANDA Akihisa :NA Number 4)YOKOE Kazuya :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

The disclosed method for manufacturing a fat soluble bioactive substance is characterized by mixing an organic solvent in the presence of a specific surfactant with an aqueous suspension of crushed microbial cells or microbial cells containing a fat soluble bioactive substance thereby extracting said fat soluble bioactive substance into an organic solvent phase. Said manufacturing method allows extraction and efficient industrial production without requiring special dehydration/drying equipment or causing decreases in yield due to reduced solvent/microbe component separability.

No. of Pages: 47 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :17/12/2009 (43) Publication Date : 13/02/2015

(21) Application No.7412/CHENP/2009 A

### (54) Title of the invention: METHOD AND SYSTEM FOR MONITORING AN ENVIRONMENT

(51) International classification	:H04N7/18	(71)Name of Applicant:
(31) Priority Document No	:MI2007A001016	1)VIDEOTEC S.P.A
(32) Priority Date	:19/05/2007	Address of Applicant :VIA FRIULI 6, I-36015 SCHIO (VI)
(33) Name of priority country	:Italy	Italy
(86) International Application No	:PCT/IB2008/001172	(72)Name of Inventor:
Filing Date	:09/05/2008	1)FREZZA, RUGGERO
(87) International Publication No	:WO 2008/142504	2)GENNARI, GIAMBATTISTA
(87) International Lubication No	A1	3)RACCANELLI, GIORGIO
(61) Patent of Addition to Application	:NA	4)D'ALESSI, FABIO
Number	:NA	5)CENEDESE, ANGELO
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for monitoring an environment through a plurality of sensors, wherein a control system receives information from one or more sensors of said plurality and uses said information in order to monitor said invironment. The method comprises a setup stage wherein an operator creates a model of an environment by defining a plurality of cells corresponding to areas of said . environment, and then creates cell/sensor relationships by defining for each sensor at least one possible position which is associated with at least one cell. For each position the sensor is assigned by the operator a monitoring judgment for the associate cell. The method also comprises an operational stage wherein the control system, in order to perform a surveillance function, finds those sensors which can be used for carrying out the requested surveillance function and controls them based on the monitoring judgments and the cell/sensor relationships.

No. of Pages: 32 No. of Claims: 37

(21) Application No.8114/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/09/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: MARINADES FOR MEAT AND SEAFOOD CONTAINING NATURAL METABOLITES

:A23L1/31,A23L1/314,A23L1/318 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/307243 (32) Priority Date :23/02/2010

(33) Name of priority country: U.S.A.

(86) International :PCT/US2011/025911 Application No

:23/02/2011 Filing Date

(87) International Publication :WO 2011/106413 No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

1) GRIFFITH LABORATORIES INTERNATIONAL INC.

Address of Applicant : One Griffith Center Alsip IL 60803

3495 U.S.A.

(72)Name of Inventor:

1)GRAHAM Aaron R.

2)BUNCZEK Michael T.

3)BERNACCHI Donald B.

4)WINDECKER Louis E. Jr.

#### (57) Abstract:

This invention is directed to a composition and application of marinades that contain as key active ingredients a combination of organic salts derived by fermentation of sugars. The resulting all natural marinades substantially improve cook vield juiciness flavor and color in meat and in seafood in a surprisingly effective way.

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

(22) Date of filing of Application :04/07/2012 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: SYSTEMS AND METHODS FOR MIXED MODE HANDLING OF IPV6 AND IPV4 TRAFFIC BY A VIRTUAL SERVER

(51) International classification :H04L12/28,H04L12/56 (71)Name of Applicant : (31) Priority Document No :12/645864 (32) Priority Date :23/12/2009 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2010/061634 Filing Date :21/12/2010

(87) International Publication No :WO 2011/079145 A2

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)CITRIX SYSTEMS INC.

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Lauderdale Florida 33309 U.S.A.

(72)Name of Inventor:

1)YENGALASETTI Sreedhar

2)MUTHIAH Manikam

#### (57) Abstract:

The present invention is directed towards systems and methods for mixed- mode load balancing by a virtual server in a network supporting a plurality of internet protocols. In various embodiments a mixed mode virtual server receives service requests based on two or more internet layer protocols. The mixed mode virtual server is configured to detect an IP address type of the client issuing the service request and identify the internet protocol of the service request based on the detected IP address type. The mixed mode virtual server can then forward the request to a server supporting the identified internet protocol. In this manner the mixed mode virtual server can bind load balance servers supporting a plurality of internet protocols.

No. of Pages: 143 No. of Claims: 20

(19) INDIA

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

(21) Application No.6039/CHENP/2013 A

(43) Publication Date: 13/02/2015

### (54) Title of the invention: PISTON RING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16J9/26,F02F5/00 :2011033613 :18/02/2011 :Japan :PCT/JP2012/053881 :17/02/2012 :WO 2012/111826 :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA RIKEN  Address of Applicant:13 5 Kudankita 1 chome Chiyoda Ku Tokyo 1028202 Japan (72)Name of Inventor:  1)SUGIMOTO Kouhei  2)WATANABE Yoshinari 3)HAYASHI Toshikatsu 4)OBARA Ryou
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#### (57) Abstract:

2[Problem] To provide a piston ring that is capable of maintaining an excellent aluminum adhesion prevention effect over a long period in a high output engine. [Solution] The upper and/or lower surface of a piston ring is covered with a silica based coating in which hard nanoparticles have been dispersed. The Martens hardness of the coating is set at 1000 to 8000 N/mm. Carbon nanoparticles nanodiamond particles carbon nanotubes and carbon nanofibers etc. are used as the hard nanoparticles. Resin based particles such as a fluorine based resin or a polyester based resin may be added to the coating.

No. of Pages: 26 No. of Claims: 7

(21) Application No.604/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A MOTORIZED CLOTH WEAVING MACHINE REQUIRES MINIMUM HUMAN INTERVENTION

(51) International classification	·D03D29/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHINTHAKINDI MALLESHAM
(32) Priority Date	:NA	Address of Applicant :LAKSHMI NARAYANA, H.NO. 11-
(33) Name of priority country	:NA	13/1, KRANTHI NAGAR, ALER POST, NALGONDA
(86) International Application No	:NA	DISTRICT Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHINTHAKINDI MALLESHAM
(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 cloth weaving machine which requires a minimum human intervention to operate the weaving machine, more particularly, the weaving machine according to the present invention having a manually operated gear mechanism run by the electric motor to move the pedal for set up the thread accordingly.

No. of Pages: 16 No. of Claims: 4

(21) Application No.799/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A FILTRATION METHOD FOR OPERATING A FILTRATION MODULE WITH GAS FEED AT ITS PERMEATE SIDE TO PREVENT BACKFLOW OF PERMEATE

(51) International classification :B01D61/10,B01D61/20,B01D65/00

(31) Priority Document No :2005177

(31) Priority Document No :20051// (32) Priority Date :30/07/2010 (33) Name of priority :Netherlands

country

(86) International Application No :PCT/NL2011/050511

Filing Date :14/07/2011

(87) International

Publication No :WO 2012/015298

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA
:NA

(71)Name of Applicant : 1)X FLOW B.V.

Address of Applicant :50 Marssteden NL 7547 TC Enschede

Netherlands

(72)Name of Inventor: 1)MEPSCHEN Andr

#### (57) Abstract:

A method for operation of a filtration module 4 comprising a housing 5 with at least one filter element 7 positioned therein the filter element defining a first space 10 in the housing at a feeding side of its filtering surface and a second space 11 at an opposite permeate side thereof a fluid feed 14 opening out in the first space at the feeding side of the filter element and a permeate outlet 17 in flow communication with the second space at the permeate side of the filter element in which the filter element is placed in an upright position. The permeate outlet is positioned at a lower end of the filter element and a gas feed 18 is provided opening out in the second space at said permeate side of the filter element. During filtration pressurized gas is fed into the second space.

No. of Pages: 20 No. of Claims: 10

(22) Date of filing of Application :21/09/2012 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: CARBON-MATERIAL CONTAINING IRON OXIDE BRIQUETTE COMPOSITION, METHOD FOR PRODUCING THE SAME AND METHOD FOR PRODUCING DIRECT REDUCED IRON USING THE SAME

:C22B1/243,C21B13/10 (71)Name of Applicant : (51) International classification (31) Priority Document No :2010070175 (32) Priority Date :25/03/2010 (33) Name of priority country :Japan (86) International Application No :PCT/JP2011/057254 Filing Date :24/03/2011 (87) International Publication No :WO 2011/118738

(61) Patent of Addition to Application :NA Number :NA

Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)KABUSHIKI KAISHA KOBE SEIKO SHO(KOBE

STEEL,LTD)

Address of Applicant :10 26 Wakinohama cho 2 chome Chuo ku Kobe shi Hyogo6518585, Japan; Nationality: Japan

(72)Name of Inventor:

1)HORIGUCHI Motohiro

2)KUNII Kazutaka

#### (57) Abstract:

Disclosed is a carbon-material-containing iron oxide briquette composition that, when obtaining direct reduced iron by heating in a moving hearth reduction furnace, does not turn into powder in the furnace leading to an accumulation of powder, and reliably prevents the obtained direct reduced iron from turning into powder during conveyance, decreasing yield. Further disclosed are a method for producing same, and a method for producing direct reduced iron using same. The carbon-material-containing iron oxide briquette composition is characterized by: the solidus temperature that is of an A1203-CaO-Si02 ternary system slag in said briquette composition and that is determined by the amount of contained A1203, CaO, and Si02 being no greater than 1300 DEG C; and having an amount of combined carbon material such that the carbon remaining in the direct reduced iron produced by heat treating said briquette composition in the aforementioned moving hearth reduction furnace at a temperature above the aforementioned solidus temperature and below the liquidus temperature of the aforementioned ternary system slag being no more than 6 mass%.

No. of Pages: 42 No. of Claims: 13

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : METHOD FOR FUNCTIONALLY TESTING TURBOMACHINES AND TEST DEVICE THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01M15/14 :A 251/2011 :24/02/2011 :Austria :PCT/EP2012/053013 :22/02/2012	(71)Name of Applicant: 1)AVL LIST GMBH Address of Applicant: Hans List Platz 1 A 8020 Graz Austria (72)Name of Inventor: 1)BERGER Hartmut
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA	
Filing Date	:NA :NA	

#### (57) Abstract:

In the course of a method for the function testing of turbo-machines, preferably exhaust gas turbochargers (1, 2, 3), the test object is subjected to one or a plurality of gas pres—sure pulses and is operated thereby. For a simple, economic and still informative testing, the test object (1, 2, 3) is integrated in a testing device and, by means of this testing device, is subjected to at least one gas pressure pulse, preferably at least one compressed air pulse, wherein from the dynamic behavior of the test object (1, 2, 3) resulting therefrom, potential failures are determined.

No. of Pages: 23 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :26/09/2012

(21) Application No.8268/CHENP/2012 A

Bangalore 560 080 Karnataka Karnataka India

Address of Applicant :220 A Bellary Road Sadashiy Nagar

(43) Publication Date: 13/02/2015

1)MIRLAY Ram Srikanth

1)MIRLAY Ram Srikanth

(72)Name of Inventor:

#### (54) Title of the invention: DUAL OBJECTIVE 3 D STEREOMICROSCOPE

(51) International classification :G02B21/22,G02B21/04 (71)Name of Applicant : (31) Priority Document No :2992/CHE/2009 (32) Priority Date :04/04/2010 (33) Name of priority country :India

(86) International Application No :PCT/IN2011/000147 Filing Date :07/03/2011 (87) International Publication No :WO 2011/125067

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

:NA

## (57) Abstract:

Filing Date

A dual objective stereomicro scope (300) has two objectives (303 305) which can be moved independently of each other along an angular axis by a mechanism thereby providing a stereoscopic image of an object. The microscope (300) has two optical paths formed respectively with an objective lens (303 305) a primary mirror (302 304) a focusing mirror (306 308) and an eye piece (307 309). The plane of the primary mirror (302 304) is arranged normal to the plane of the objective lens (303 305). The focusing mirror (306 308) is arranged in parallel to the primary mirror (302 304) to reflect a beam of light received from the objective lens (303 305) through the primary mirror (302 304) to the eye piece (307 309). The primary mirror (302 304) is moved synchronously with the movement of the objective lens (303 305).

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

(21) Application No.891/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :04/02/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PAGING METHOD CORE NETWORK DEVICE WIRELESS ACCESS NETWORK DEVICE AND **GATEWAY DEVICE**

(51) International classification :H04W68/00,H04W28/02 (71)Name of Applicant : (31) Priority Document No :2010-172794 (32) Priority Date :30/07/2010 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2010/073775 Filing Date :28/12/2010

(87) International Publication No :WO 2012/014342 A1

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number: NA Filing Date :NA 1)NTT DOCOMO INC.

Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku

Tokyo 1006150 Japan (72)Name of Inventor: 1)NISHIDA Katsutoshi 2)SUZUKI Keisuke 3)KAWAKATSU Shimpei

#### (57) Abstract:

A paging method involves paging a UE (10) when packets for an idle UE (10) are received by a P GW (20). The paging method comprises: a step in which an S GW (30) sets the incoming category information for the packets received by the P GW (20) to Downlink Data Notification and transmits said Downlink Data Notification to an MME (40) and an SGSN (60); and a step in which the MME (40) and the SGSN (60) determine whether to page the UE (10) on the basis of the incoming category information included in the Downlink Data Notification from the S GW (30).

No. of Pages: 48 No. of Claims: 12

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: PROCESS FOR PRODUCTION OF EUGLENA CONTAINING WAX ESTER AT HIGH CONTENT AND PROCESS FOR PRODUCTION OF WAX ESTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:2010163370 :20/07/2010 :Japan	(71)Name of Applicant: 1)euglena Co. Ltd. Address of Applicant: University of Tokyo Entrepreneur Plaza 7F c/o University of Tokyo Hongo Campus 7 3 1 Hongo Bunkyo ku Tokyo 1130033 Japan (72)Name of Inventor: 1)ARASHIDA Ryo 2)MITRA Sharbanee
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

To provide: a process for producing euglena containing a wax ester at a high content by culturing a microalga euglena aerobically by photosynthesis using carbon dioxide as a carbon source further culturing the microalga euglena under nitrogen starved conditions to increase the amount of accumulated paramylon per cell and subsequently leaving the microalga euglena under anaerobic conditions thereby producing euglena containing a wax ester at a high content; and a process for producing a wax ester. [Solution] The invention relates to a process for producing euglena containing a wax ester at a high content. The process comprises a first step of culturing a microalga euglena aerobically a second step of further culturing the microalga euglena while retaining the culture medium under nitrogen starved conditions and a third step of retaining cells of the microalga euglena under anaerobic conditions.

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

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: MOUTH MOISTENING GUM COMPOSITIONS AND PRODUCTS CONTAINING THE SAME

(51) International classification (31) Priority Document No	:A23G4/06,A23G4/00 :61/374,875	60093 U.S.A.
(32) Priority Date	:18/08/2010	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)ANASTASIOU Theodore James
(86) International Application No	:PCT/US2011/048200	-/
Filing Date	:18/08/2011	3)FERRI Dino Carlo
(87) International Publication No	:WO 2012/024469 A1	4)FROEBE Claudia L.
(61) Patent of Addition to Application	:NA	5)GUAN Junjie
Number	:NA	6)HOANG Tinyee
Filing Date	.IVA	7)LEVENSON Deborah Ann
(62) Divisional to Application Number	:NA	8)MAY Joycelyn P.
Filing Date	:NA	9)MICHAELIDOA Tasoula A.
-		10)OSBORNE Deborah Lynn
		11)SHETTY Aditi

#### (57) Abstract:

A chewing gum composition is disclosed that imparts a mouth moistening effect when orally consumed by an individual. Specifically the chewing gum composition comprises a blend of components comprising spilanthol to reduce or eliminate the perception of mouth dryness in an individual. The chewing gum composition can further include such components as a sweetening composition a food grade acid composition and a cooling agent composition.

No. of Pages: 56 No. of Claims: 36

(22) Date of filing of Application :07/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SIMPLE LEVER CLASS-1 AUTOMISED MECHANISM AND POWER GENERATION SYSTEM USING THE SAME

(51) International classification	:F04B27/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)G. KUMAR
(32) Priority Date	:NA	Address of Applicant :961, SCHOOL STREET,
(33) Name of priority country	:NA	MANAMPATHI VILLAGE, UTHIRAMERUR TALUK,
(86) International Application No	:NA	KANCHIPURAM DISTRICT, TAMIL NADU, INDIA,
Filing Date	:NA	PINCODE - 603 403 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)G. KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Simple lever class -1 automised mechanism for driving a generator comprising at least one simple lever class -1 comprising two hydraulic cylinder and piston rod assembly to move about an axis in any 360 degree circle direction, an actuator for applying the force by the hydra ulic cylinder and assembly in a direction of the simple lever class -1 and a drive arm between the at least one simple lever class -1 and the generator for transfer the energy between the simple lever class -1 and generator. The simple lever class -1 mounted with yoke, crank arm to connect the crank shaft the reciprocating motion of the simple lever class 1 force converted as rotational force by the crank shaft, gear box and to the gene rator to produce power.

No. of Pages: 8 No. of Claims: 9

(21) Application No.8546/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: ANIMAL EXCREMENT DISPOSAL SHEET AND MANUFACTURING METHOD THEREOF

(51) International :A01K1/015,B32B5/24,B32B27/00 classification

(31) Priority Document No :2010077744 (32) Priority Date :30/03/2010

(33) Name of priority :Japan

country

(86) International :PCT/JP2010/005942

Application No :04/10/2010 Filing Date

(87) International Publication: WO 2011/121682

No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant: 1)Uni Charm Corporation

Address of Applicant: 182 Shimobun Kinsei cho

Shikokuchuo shi Ehime 7990111 Japan

(72)Name of Inventor:

1)KOMATSUBARA Daisuke

2)IKEGAMI Takeshi

#### (57) Abstract:

An animal excrement disposal sheet is provided that can reduce an area of excrement diffusing on a surface of the sheet. The animal excretion disposal sheet 10 includes a liquid permeable top sheet 20 a liquid impermeable back sheet 30 and an absorbent layer 40 disposed between the top sheet 20 and the back surface sheet 30 that includes a water absorbent resin 42 and a hydrophilic fiber 41 in which the absorbent layer 40 further includes a hydrophobizing agent having a higher affinity to the hydrophilic fiber 41 than to the water absorbent resin 42.

No. of Pages: 25 No. of Claims: 9

(21) Application No.888/CHENP/2013 A

(19) INDIA

(43) Publication Date: 13/02/2015 (22) Date of filing of Application :04/02/2013

# (54) Title of the invention: METHOD AND DEVICE FOR TRANSMITTING/RECEIVING IDENTIFIER FOR NO MOBILITY MOBILE STATION IN IDLE STATE IN WIRELESS COMMUNICATION SYSTEM

(51) International :H04B7/26,H04W8/08,H04W8/24 classification

(31) Priority Document No :61/366.533 (32) Priority Date :22/07/2010

(33) Name of priority country: U.S.A.

(86) International Application :PCT/KR2011/005430

No :22/07/2011 Filing Date

(87) International Publication :WO 2012/011776 A3

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)LG ELECTRONICS INC.

Address of Applicant :20 Yeouido dong Yeongdeungpo gu

Seoul 150 721 Republic of Korea

(72)Name of Inventor:

1)CHO Heejeong 2)YUK Youngsoo

3)LEE Eunjong

#### (57) Abstract:

Disclosed are a method and a device for transmitting/receiving an identifier for a no mobility mobile station in an idle state in a wireless communication system. In a base station device for transmitting an identifier for a no mobility mobile station in an idle state according to the present invention a receiver receives information on mobility from at least one mobile station. A processor allocates to the at least one no mobility mobile station in an idle state at least one identifier for a no mobility mobile station in an idle state for a no mobility mobile station in an idle state on the basis of the information on mobility. A transmitter transmits the allocated identifier to the at least one no mobility mobile station in an idle state.

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

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: CLOPIDOGREL BISULFATE FORM 1 FROM DIFFERENT SALTS OF CLOPIDOGREL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D495/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MYLAN LABORATORIES LTD Address of Applicant: PLOT NO 564/A/22, ROAD NO 92, JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh India (72)Name of Inventor: 1)ABBNENI, JYOTHIBASU 2)KONUDULA, BABU RAO 3)KODULI, HARI PRASAD 4)KARROTHU, SRIHARI BABU 5)PANGA, RAJA REDDY 6)KOTA, SATISH 7)PEDDINITIVENKATA, RAGHAVA BALAJI 8)BYRAPUNENI, VENKATA SUBBARAO 9)KANNEBOINA, KOTESWARA RAO 10)KARNAM, VIJAY KUMAR
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<sup>(57)</sup> Abstract:

The present invention is process for the preparation of Clopidogrel bisulphate form 1 from different salts of clopidogrel.

No. of Pages: 9 No. of Claims: 4

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: NETWORKED SYSTEM WITH SUPPORTING MEDIA ACCESS AND SOCIAL NETWORKING

(51) International classification:G06Q99/00,G00(31) Priority Document No:61/378839(32) Priority Date:31/08/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/048868

Filing Date :23/08/2011 (87) International Publication No :WO 2012/030588

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:G06Q99/00,G06Q30/00 (71)Name of Applicant :

1)APPLE INC.

Address of Applicant: 1 Infinite Loop Cupertino CA 95014

U.S.A.

(72) Name of Inventor:

1)BAIRD SMITH Anselm P. 2)MIRRASHIDI Payam 3)GEDIKIAN Steve S.

#### (57) Abstract:

Embodiments for a networked system that supports access to media assets as well as social interactions amongst users are disclosed. One aspect can pertain to a networked system and method for providing recommendations to users of the networked system. The networked system can provide media content and/or a social network to users. For example the networked system can pertain to a media system incorporating social networking. The networked system can evaluate users and/or activities to determine when and to which users a recommendation should be provided. Another aspect can pertain to creation or editing of profiles. The profiles can be used with an online media system. A profile for a user can include information about users including a media profile that represents the media interests of the user. The profiles can also facilitate social networking via the online media system.

No. of Pages: 94 No. of Claims: 55

(21) Application No.6073/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: REDUCED COMPLEXITY TRANSFORM FOR A LOW FREQUENCY EFFECTS CHANNEL

(51) International classification	:G10L19/00,G10L19/02	(71)Name of Applicant:
(31) Priority Document No	:61/468,373	1)DOLBY LABORATORIES LICENSING
(32) Priority Date	:28/03/2011	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :100 Potrero Avenue San Francisco
(86) International Application No	:PCT/US2012/029603	California 94103 4813 U.S.A.
Filing Date	:19/03/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/134851 A1	1)FELLERS Matthew C.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The computational resources that are needed to apply a transform based filterbank to a limited bandwidth audio signals are reduced by performing an integrated process of combining real valued input data into complex valued data and applying a short transform to the complex valued data applying a bank of very short transforms to the output of the integrated process and deriving a sequence of real valued output data from the outputs of the bank of very short transforms.

No. of Pages: 22 No. of Claims: 7

(22) Date of filing of Application :23/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : DEVICE AND METHOD FOR MULTIPARAMETER MEASUREMENTS OF MICROPARTICLES IN A FLUID

#### (57) Abstract:

The invention relates to a method for the flow measurement and classification of the refringence of at least two populations of particles present in a fluid. This method uses a light source of short temporal coherence having a coherence length Lc < 100  $\mu m$  used in extinction mode with a central wavelength chosen according to the expected volume interval and expected refractive index interval of the particles in question. The method uses a device that forms with the light source a converging illumination beam with an angular width chosen according to the expected volume interval and expected refractive index interval of the particles in question at the chosen central wavelength. The fluid of particles is then made to flow through a measurement orifice so as to measure impedance variations (RES) as the particles pass therethrough. The fluid of particles flows through the measurement window illuminated by the beam and extinctions (EXT) are measured on the axis of the beam as the particles pass through the measurement window by means of a device or a detector of which the convergent receiving beam having a certain angular width is chosen according to the expected volume interval and expected refractive index interval of the particles in question. The method combines the RES and EXT data to form therefrom events that make it possible to determine a relative refractive index for each of the events and to classify all the events using at least one parameter chosen from RES EXT or IDX.

No. of Pages: 90 No. of Claims: 27

(22) Date of filing of Application :03/10/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: POLYURETHANE BLOCK COPOLYMER CONTAINING ONE OR MORE POLYSILOXANE **BLOCKS FOR MEMBRANES**

(51) International :C08G18/73,C08G18/61,C08G18/40 classification (31) Priority Document No :10155922.7 (32) Priority Date :09/03/2010 (33) Name of priority :EPO country

(86) International :PCT/EP2011/052956

Application No :01/03/2011 Filing Date

(87) International

:WO 2011/110441 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)POLYMERS CRC LTD

Address of Applicant: 8 Redwood Drive Notting Hill VIC

3168. Australia

(72)Name of Inventor: 1)WEI Thomas 2)MANSOURI Jaleh

# (57) Abstract:

Oligo or polyurethane compounds of the formula (I) wherein k and n independently are numbers from 1 to 100 m is from the range 1 100 (X) is a block of formula (II) and (Y) is a block of the formula (III) (A) is a residue of an aliphatic or aromatic diisocyanate linker (B) is a residue of a linear oligo or polysiloxane containing alkanol end groups and optionally further containing one or more aliphatic ether moieties and (C) is an aromatic oligo or polysulfone block may advantageously be used as anti adhesion additives in polymer compositions e.g. for membranes; related oligo or polyurethanes wherein m is 0 are especially suitable for the preparation of antimicrobial water separation membranes.

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

(21) Application No.968/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: PROCESS FOR PRODUCING HYDROGEN OR HEAVY HYDROGENS AND HYDROGENATION (PROTIATION DEUTERATION OR TRITIATION) OF ORGANIC COMPOUNDS USING SAME

(51) International classification :C01B3/04,C01B3/08,C01B4/00 (71)Name of Applicant: (31) Priority Document No :2010182826

(32) Priority Date :18/08/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/068535

:16/08/2011 Filing Date

(87) International Publication :WO 2012/023546

No (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

1)Shiono Chemical Co. Ltd.

Address of Applicant :2 10 8 Yaesu Chuo ku Tokyo

1040028 Japan

(72)Name of Inventor: 1)SAJIKI Hironao 2)MONGUCHI Yasunari 3)SAWAMA Yoshinari 4)KONDO Shinichi

An object is to provide a process for providing hydrogen or heavy hydrogens conveniently without the necessity of large-scale equipment and a process capable of performing hydrogenation (protiation, deuteration or tritiation) reaction conveniently without the use of an expensive reagent and a special catalyst. The production process includes a process for producing hydrogen, or heavy hydrogens, containing subjecting water or heavy water to mechanochemical reaction in the presence of a catalyst metal, and a process for producing a hydrogenated (protiated, deuterated or tritiated) organic compound, containing subjecting an organic compound and water or heavy water to mechanochemical reaction in the presence of a catalyst metal.

No. of Pages: 34 No. of Claims: 13

(21) Application No.6362/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INDUCTION AND STABILIZATION OF ENZYMATIC ACTIVITY IN MICROORGANISMS

# (57) Abstract:

Provided herein are methods for inducing and stabilizing an enzyme activity. Optionally the enzyme is in a microorganism capable of producing the enzyme. In some embodiments the enzyme can be nitrile hydratase amidase or asparaginase I. Provided are compositions comprising enzymes or microorganisms having induced and/or stabilized activity. Also provided are methods of delaying a plant development process by exposing a plant or plant part to the enzymes or microorganisms having induced and/or stabilized activity.

No. of Pages: 51 No. of Claims: 55

(22) Date of filing of Application :05/10/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: BASE STATION DEVICE AND USER TERMINAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W72/04 :2010087383 :05/04/2010 :Japan :PCT/JP2011/057954 :30/03/2011 :WO 2011/125701 :NA :NA :NA	(71)Name of Applicant:  1)NTT DOCOMO INC.  Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku Tokyo 1006150 Japan (72)Name of Inventor:  1)MIKI Nobuhiko  2)TAKEDA Kazuaki 3)YAN Yuan 4)LI Anxin
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#### (57) Abstract:

The present invention provides a search space configuration that is suitable for a communication system in which a plurality of fundamental frequency blocks are grouped together into a wide band. A base station apparatus (20) has a selection section (302) that selects a system band in fundamental frequency block units, a downlink control information generation section (306) that generates downlink control information for demodulating the data channels that are sent separately in the selected fundamental frequency blocks, and arranges, in the downlink control channel of a specific fundamental frequency block among a plurality of fundamental frequency blocks, a search space in which downlink control information for the plurality of fundamental frequency blocks is contained, and a transmission section (203) that transmits the downlink control channel in which the search space with the downlink control information is arranged.

No. of Pages: 110 No. of Claims: 17

(21) Application No.697/CHE/2013 A

(19) INDIA

(22) Date of filing of Application: 18/02/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: INTAKE SYSTEM FOR A MOTORCYCLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F02M :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SAURABH KUMAR
(61) Patent of Addition to Application Number	:NA	2)SHARAD SINGHANIA
Filing Date	:NA	3)KANNAN MARUDACHALAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An intake system for a straddle type vehicle with a swinging power unit and comprising an air cleaning device is disclosed. It incorporates suitable intake and filtering provisions for filtering and supplying the environmental air to an air-fuel mixing chamber, as well as draining provisions to prevent impurities like oil and water from getting accumulated inside the air cleaning device.

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

(21) Application No.6356/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: AMALGAM BALLS HAVING AN ALLOY COATING

:WO 2012/119977

:C22C5/06,C22C7/00,C22C13/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :11157478.6 (32) Priority Date :09/03/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/053730

:05/03/2012 Filing Date

(87) International Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)UMICORE AG & CO. KG

Address of Applicant : Rodenbacher Chaussee 4 63457

Hanau Wolfgang Germany (72)Name of Inventor: 1)HUTIN Olivier

2)RINGELSTEIN Hans Martin

#### (57) Abstract:

Energy saving lamps contain a gas filling of mercury vapour and argon in a gas discharge bulb. Amalgam balls are used for filling the gas discharge bulb with mercury. Novel coated balls whose operating life in the case of automatic metered introduction is increased by coating of the balls with an alloy powder and conglutination of the amalgam balls during storage and processing is prevented are proposed.

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

(21) Application No.9737/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: COMPOSITION AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:1008364.0 :20/05/2010 :U.K.	(71)Name of Applicant:  1)RECKITT & COLMAN (OVERSEAS) LIMITED  Address of Applicant: 103 105 Bath Road Slough Berkshire SL1 3UH U.K. (72)Name of Inventor:  1)BOWN Gavin  2)CLAYTON Carl  3)MCKECHNIE Malcolm
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)MCKECHNIE Malcolm 4)YOUNG James
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method of delivering a primary active agent and a secondary active agent to a locus. The method uses a polymersome containing composition. The composition comprises a plurality of polymersome vesicles containing the secondary active agent and a liquid matrix comprising the primary active agent. The polymersome vesicles are capable of being disrupted by the application of mechanical shear.

No. of Pages: 32 No. of Claims: 18

(21) Application No.6130/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013

(43) Publication Date: 13/02/2015

# (54) Title of the invention: A PROCESS FOR PREPARING ARYL-AND HETEROARYL-SUBSTITUTED TETRAHYDROISOQUINOLINES OF FORMULA (I)

(51) International classification :C07D (31) Priority Document No :60/588.448 (32) Priority Date :15/07/2004 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2005/25193 Filing Date :15/07/2005

(87) International Publication No :WO/2006/020049 (61) Patent of Addition to Application :NA

Number :NA Filing Date

(62) Divisional to Application Number Filed on

:660/CHENP/2007 :15/07/2005

(71)Name of Applicant:

1)ALBANY MOLECULAR RESEARCH, INC. Address of Applicant :26 CORPORATE CIRCLE,

ALBANY, NEW YORK 12203 U.S.A.

2) BRISTOL-MYERS SQUIBB COMPANY

(72)Name of Inventor: 1)MOLINO, BRUCE, F. 2)LIU, SHUANG

3)BERKOWITZ, BARRY, A. 4)GUZZO, PETER, R. 5) COHEN, MARLENE

(57) Abstract:

This invention relates to a process for preparation of a product compound of Formula (I): wherein the substituents are as described in the description.

No. of Pages: 472 No. of Claims: 8

(21) Application No.656/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING DOWNLINK DATA FOR NO MOBILITY MOBILE STATION IN IDLE STATE

(51) International classification :H04B7/26,H04J11/00 (71)Name of Applicant : (31) Priority Document No 1)LG ELECTRONICS INC. :61/366533 (32) Priority Date Address of Applicant :20 Yeouido dong Yeongdeungpo gu :22/07/2010 Seoul 150 721 Republic of Korea (33) Name of priority country :U.S.A. (86) International Application No :PCT/KR2011/005439 (72)Name of Inventor: Filing Date :22/07/2011 1)CHO Heejeong (87) International Publication No :WO 2012/011781 2)LEE Eunjong (61) Patent of Addition to Application 3)YUK Youngsoo :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Disclosed are a method and a device for transmitting and receiving downlink data for a no mobility mobile station in an idle state. A terminal device for receiving downlink data for a no mobility mobile station in an idle state of the present invention comprises a receiver for receiving from a base station a first information including information on whether a downlink area has been allocated for a no mobility mobile station in an idle state just for a terminal in an idle state without mobility. The receiver is configured to additionally receive a second information including information on the allocated downlink area and the first information can be one of the following: a super frame header (SFH) a broadcast control channel (BCCH) a non user specific A MAP IE an extended non user specific A MAP and a physical downlink control channel (PDCCH).

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: POWER MANAGEMENT SYSTEM AND POWER MANAGEMENT METHOD

Filing Date :NA SIINO, Yutaka 9)YAMAGUCHI, Shuichi	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J,G06F :2011-289493 :28/12/2011 :Japan :PCT/JP2012/065526 :18/06/2012 :WO/2013/099323 :NA :NA :NA	2)MURAYAMA, Dai 3)SAITO,Masaki 4)OOBA,Yoshikazu 5)TAMARU, Shingo 6)TAKAGI, Yasuo 7)NISHIMURA, Nobutaka 8)IINO, Yutaka
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# (57) Abstract:

A power management system (1) includes: customer terminals (20); and a power management apparatus (30) connected to the customer terminals (20), wherein each of the customer terminals (20) includes a weather forecast acquisition unit (21) that acquires a local weather forecast for a corresponding customer terminal, and a power prediction unit (22) that predicts a power consumption and an amount of power that can be reduced for a predetermined period based on the weather forecast, and the power management apparatus (30) includes an integration processing unit (37) that integrates the power consumptions and the amounts of power that can be reduced for the respective customer terminals (20) to calculate a total power consumption and a total amount of power that can be reduced for all of the customer terminals (20).

No. of Pages: 60 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :28/08/2012

(21) Application No.7442/CHENP/2012 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD FOR PRODUCING LINEAR A OLEFINS

(51) International classification :C07C2/08,C07C11/02 (71)Name of Applicant : (31) Priority Document No :102010006589.7 (32) Priority Date :02/02/2010 (33) Name of priority country :Germany :PCT/EP2011/000131 (86) International Application No

Filing Date :13/01/2011 (87) International Publication No :WO 2011/095273

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)LINDE AKTIENGESELLSCHAFT

Address of Applicant :Klosterhofstrae 1 80331 M<sup>1</sup>/<sub>4</sub>nchen

Germany

(72)Name of Inventor: 1)HOFMANN Karl Heinz 2)ZANDER Hans Jrg 3)WELLENHOFER Anton 4)MLLER Wolfgang

5)W-HL Anina

#### (57) Abstract:

The invention relates to a method for producing linear a olefins wherein ethylene 1a in the liquid phase is fed into the oligomerisation reactor 2. The oligomerisation reactor 2 has a mechanical stirring mechanism 2a in order to ensure optimum blending of the liquid ethylene and the catalyst in the liquid phase. Vaporised ethylene together with light a olefins and a small proportion of the organic solvent are removed from the top of the oligmerisation reactor 2. The gas mixture removed from the top of the reactor 2 together with gaseous fresh ethylene 7 is condensed by means of a heat exchanger 3 and a separator 4. The liquid phase removed from the separator 4 is returned by means of a circulation pump 5a as a liquid ethylene batch 1a to the oligomerisation reactor 2. The liquid products of the oligomerisation reaction are removed laterally from the bottom of the reactor 2.

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

(21) Application No.6218/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: LOCATING ELECTROMAGNETIC SIGNAL SOURCES

(51) International :G01S5/02,H04W64/00,G01S5/04 classification

(31) Priority Document No :61/289735 (32) Priority Date :23/12/2009

(33) Name of priority country: U.S.A.

(86) International Application :PCT/GB2010/052206

:23/12/2010

Filing Date

(87) International Publication :WO 2011/077166 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)SENSEWHERE LIMITED

Address of Applicant :First Floor Unit 1 Block B Kittle

Yards Edinburgh EH9 1PJ U.K.

(72)Name of Inventor:

1)ARSLAN Tughrul Sati

2)SEVAK Zankar Upendrakumar

3)ALSEHLY Firas

#### (57) Abstract:

There is disclosed a method of estimating the location of a plurality of electromagnetic signal sources comprising: scanning at a first plurality of locations to generate signal source position data the signal source position data representing estimates of the position of at least one of said signal sources; scanning at a second plurality of locations using a signal detection system to generate signal detection data the signal detection data relating to signals received at the second plurality of locations from the signal sources; processing the signal source position data in dependence on the signal detection data to correct estimation errors in the signal source position data; and outputting the processed signal source position data.

No. of Pages: 41 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 13/02/2015

(54) Title of the invention : METHOD FOR MANUFACTURING SPRING AND DEVICE FOR HEATING BY PASSAGE OF ELECTRIC CURRENT

(51) International :C21D9/02,B21F35/00,C21D1/40

:WO 2012/014672 A1

classification (31) Priority Document No :2010-166806 (32) Priority Date :26/07/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/065886

No .PC

Filing Date :12/07/2011

(87) International Publication

No

(61) Patent of Addition to Application Number :NA :NA

Filing Date
(62) Divisional to Application
Number
Filing Date

NA
:NA

(71)Name of Applicant:

1)CHUO HATSUJO KABUSHIKI KAISHA

Address of Applicant :68 Aza Kamishiota Narumi cho

Midori ku Nagoya shi Aichi 4588505 Japan

(21) Application No.742/CHENP/2013 A

(72)Name of Inventor : 1)HIRATA Yuichi

2)SUZUKI Hidekazu 3)OGISO Hiroyuki

#### (57) Abstract:

A method for manufacturing a spring wherein the time required for a heating treatment step for removing a processing strain produced by a forming step is reduced. This manufacturing method comprises a forming step (S10) for forming spring steel into a spring shape and a heating treatment step (S12) for removing a processing strain produced in the spring steel by the forming step. The heating treatment step is performed by heating by the passage of an electric current wherein the spring steel is heated by passing the electric current through the spring steel. The heat treatment step has a first step for heating the spring steel to a preset set temperature and a second step for maintaining the spring steel at the set temperature for a preset set time after the first step. The set temperature is set higher than 430°C and not higher than 500°C.

No. of Pages: 16 No. of Claims: 4

(21) Application No.6227/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: RADIATION PROTECTION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:07/01/2011 :WO 2011/085273 A1 :NA	(71)Name of Applicant:  1)BLOXR CORPORATION  Address of Applicant:2116 Lakeline Drive Salt Lake City Utah 84109 U.S.A.  (72)Name of Inventor:  1)KHANDKAR Ashok C.
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to a shield for radiation attenuation. The shield includes a carrier suitable for topical application on human tissue such as skin. The carrier includes an active ingredient that is homogenously dispersed throughout the carrier. The active ingredient includes an element suitable for attenuating radiation and having a high atomic number.

No. of Pages: 46 No. of Claims: 34

(21) Application No.686/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF 4,5-DIMETHYL-1,3-DIOXOL-2-ONE

(51) International classification :C07 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA (63) Patent :NA	(71)Name of Applicant:  1)ORCHID CHEMICALS & PHARMACEUTICALS LTD Address of Applicant: ORCHID TOWERS, 313, VALLUVAR KOTTAM HIGH ROAD, NUNGAMBAKKAM, CHENNAI - 600 034 Tamil Nadu India (72)Name of Inventor: 1)REGURI BUCHI REDDY 2)DHARMEDRA MISRA 3)MEDABALIMI PETER PAULRAJ 4)RAMAKRISHNA BOTCHA 5)REMALA NAGA MALLESH 6)DEVENDAR LINGAM
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# (57) Abstract:

The present invention provides an improved process for the preparation of 4-halomethyl-5-methyl-1,3-dioxolene-2-one of formula (I) which is a key intermediate for the preparation of many active pharmaceutical ingredients. Particularly the present invention provides an improved process for the preparation of 4,5-dimethyl-1,3-dioxolene-2-one of formula (IV). wherein X represents as halogens.

No. of Pages: 14 No. of Claims: 6

(21) Application No.971/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: ANTIBODIES WITH MODIFIED ISOELECTRIC POINTS

(51) International classification	:C07K16/22,C07K16/00	(71)Name of Applicant:
(31) Priority Document No	:61/368962	1)XENCOR INC.
(32) Priority Date	:29/07/2010	Address of Applicant :111 West Lemon Avenue Monrovia
(33) Name of priority country	:U.S.A.	CA 91016 U.S.A.
(86) International Application No	:PCT/US2011/046041	(72)Name of Inventor:
Filing Date	:29/07/2011	1)DAHIYAT Bassil I.
(87) International Publication No	:WO 2012/016227	2)BERNETT Matthew J.
(61) Patent of Addition to Application	:NA	3)LAZAR Gregory A.
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates generally to compositions and methods for altering the isoelectric point of an antibody and in some cases resulting in improved plasma pharmacokinetics e.g. increased serum half life in vivo.

No. of Pages: 134 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application :02/08/2013

(21) Application No.6264/CHENP/2013 A

(43) Publication Date: 13/02/2015

(54) Title of the invention: HYBRID VEHICLE

(51) International :B60W10/06,B60K6/445,B60W20/00 classification

(31) Priority Document No:NA

(32) Priority Date :NA (33) Name of priority :NA

country

(86) International :PCT/JP2011/052370 Application No

:04/02/2011 Filing Date

(87) International

:WO 2012/105041 A1 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA (71)Name of Applicant:

1)SUZUKI MOTOR CORPORATION

Address of Applicant :300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

(72)Name of Inventor: 1)HOSOE Yukihiro 2)ITO Yoshiki 3)TAGAWA Masaaki

4)OHKUMA Hitoshi

# (57) Abstract:

Filing Date

The objective of the present invention is to reduce the vibrations of an engine by keeping the engine from restarting while the engine is transitioning to a stop and thus preventing the elongation of the period of time during which the number of revolutions of the engine stays in a resonant zone. To achieve this objective this hybrid vehicle which outputs power generated by an engine and a motor generator to a drive shaft via a power transmission mechanism and which causes the region of the number of revolutions in which the engine is likely to cause resonance during engine startup to be passed in a short time is provided with a control means that controls the engine so as not to restart during the transition from an engine drive state to an engine stop state even if an engine restart request occurs during said transition.

No. of Pages: 25 No. of Claims: 3

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: INTEGRATED TOILET BOWL WITH EXHAUST SYSTEM

(71) I	E02D	(71)N
(51) International classification	:E03D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VALAGAM RAJAGOPAL RAGHUNATHAN
(32) Priority Date	:NA	Address of Applicant :OLD NO: 6, NEW NO: 72, 12TH
(33) Name of priority country	:NA	AVENUE, ASHOK NAGAR, CHENNAI - 600 083 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VALAGAM RAJAGOPAL RAGHUNATHAN
(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 about a system as shown in figure 1 for removing stale/impure air from the toilet bowl (2) region and diverting into sewer line (7). The system comprises of suction line (5) and siphon line/water lock line (4). A suction means (3) of the suction line (5) configured to draw the impure/stale air from the toilet bowl region through water flow/flush line(6) and suction line (5), and discharges the same into sewer line/main siphon line (7) via siphon/water lock line (4). The configuration of siphon/water lock line (4) allows the water via itself while flushing action thereby removing the existing water in the siphon/water lock line (4) with observed/collected impure/stale air. The siphon/water lock line further configured to restrict the return flow of diverted stale/impure air from the sewer line (7).

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

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR SERVER INITIATED CONNECTION MANAGEMENT IN A MULTI CORE SYSTEM

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International Publication No Substitute (12/851430 Substitute (12/85143	1)CITRIX SYSTEMS INC. Address of Applicant :851 West Cypress Creek Road Fort Lauderdale FL 33309 U.S.A. (72)Name of Inventor: 1)THAKUR Ravindranath
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#### (57) Abstract:

The present application is directed towards systems and methods for managing server initiated connections via a multi core system that provides VPN access between clients and servers. The systems and methods described herein provide a mechanism by which server and client communications via the multi core system for a server initiated connection may be received on different cores and for the system to manage these communications across different cores to provide an end to end connectivity between the client and the server.

No. of Pages: 147 No. of Claims: 22

(21) Application No.6230/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/07/2012 (43) Publication Date: 13/02/2015

# (54) Title of the invention: ALKYL HETEROCYCLE CARBAMATE DERIVATIVES THEIR PREPARATION AND THEIR THERAPEUTIC APPLICATION

(51) International :C07D417/12,C07D417/14,A61K31/4523

classification

(31) Priority :1050362 Document No

(32) Priority Date :20/01/2010 (33) Name of priority :France

country

(86) International

:PCT/IB2011/050229 Application No

:19/01/2011 Filing Date

(87) International Publication No

:WO 2011/089550

(61) Patent of

Addition to :NA Application Number : NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SANOFI

Address of Applicant :54 rue la Botie F 75008 Paris France

(72)Name of Inventor:

1)ABOUABDELLAH Ahmed

2)RAVET Antoine

# (57) Abstract:

The invention relates to compounds corresponding to the general formula (I): in which R represents a hydrogen fluorine hydroxyl cyano trifluoromethyl C alkyl C alkoxy or NRR; n and m represent independently of one another an integer equal to 1 2 or 3 it being understood that the sum m+n is at most equal to 5; A represents a covalent bond an oxygen a C alkylene or O C alkylene; R represents a phenyl or a heterocycle which is optionally substituted; R represents a hydrogen fluorine C alkyl or trifluoromethyl; R represents an optionally substituted 5 membered heterocycle; in the form of the base or of an addition salt with an acid; with the exclusion of 5 methylisoxazol 3 ylmethyl 4 hydroxy 4 (4 chlorophenyl) piperidine 1 carboxylate. The invention also relates to a process for the preparation of the compounds of formula (I) to compositions comprising them and to their therapeutic application.

No. of Pages: 101 No. of Claims: 15

(21) Application No.655/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: HYDRAULIC IMPACT MECHANISM FOR USE IN EQUIPMENT FOR TREATING ROCK AND **CONCRETE**

(51) International :B25D9/12,B25D9/14,B25D17/24

classification (31) Priority Document No :10008852

(32) Priority Date :31/08/2010 (33) Name of priority country: Sweden

(86) International Application :PCT/SE2011/050898

No :01/07/2011 Filing Date

(87) International Publication

:WO 2012/030272 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)ATLAS COPCO ROCK DRILLS AB

Address of Applicant :S 701 91 -rebro Sweden

(72)Name of Inventor: 1)PETTERSSON Maria 2)JOHANSSON Anders

#### (57) Abstract:

A hydraulic impact mechanism of the valveless impact mechanism type comprising a pre charged gas accumulator connected to a working chamber in order to make possible impact mechanisms for equipment for rock drilling and hydraulic breakers that is lighter cheaper and more sustainable from the point of view of material fatigue. Furthermore a gas accumulator of piston type with an integral brake chamber (240 250 360) and a piston (220 320) designed to fit into the said brake chamber (240 250 360).

No. of Pages: 17 No. of Claims: 13

(22) Date of filing of Application :31/01/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: WALL FOR SEPARATING ELECTROLYTES FOR THE SELECTIVE TRANSFER OF CATIONS THROUGH THE WALL AND ASSOCIATED MANUFACTURING METHOD AND TRANSFER METHOD

 $: C01G39/00, C02F1/469, H01M2/16 \bigg| (71) \textbf{Name of Applicant:} \\$ (51) International

classification (31) Priority Document No :1056066

:23/07/2010 (32) Priority Date (33) Name of priority

:France country (86) International

:PCT/FR2011/051602 Application No :06/07/2011

Filing Date (87) International

:WO 2012/010766 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

1)UNIVERSIT‰ DE LORRAINE

Address of Applicant :34 Cours Lopold CS 25233 F 54052

Nancy Cedex France (72)Name of Inventor: 1)LECUIRE Jean Marie 2)SEGHIR Sakina 3)BOULANGER Clotilde

4)DILIBERTO Sbastien

5)LOPEZ Jos

# (57) Abstract:

The invention relates to a wall for separating electrolytes comprising an active layer (22) made of a material capable of developing intercalation and deintercalation reactions for the selective transfer of cations through the wall and a supporting layer (21) which is made of a porous material and used as carrier for the active layer (22). A method for selectively transferring cations uses such a transfer wall (2). According to a method for manufacturing such a transfer wall (2) a solution including an active material in the form of a powder a binder and a solvent is prepared and then the surface of a supporting layer (21) made of a porous material is coated with said solution and the solvent is evaporated.

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

(21) Application No.964/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013

(43) Publication Date: 13/02/2015

(54) Title of the invention: A MIXER SETTLER AN ARRANGEMENT COMPRISING AT LEAST TWO MIXER SETTLERS AND A METHOD FOR MEASURING AND CONTROLLING THE VOLUMETRIC O/A RATIO AND PHASE DISENGAGEMENT TIME OF ORGANIC AND AQUEOUS PHASES IN A DISPERSION

 $: B01D11/04, B01D17/02, G05D11/13 \cite{Manager} (71) \cite{Manager} \cite{Manager} \cite{Manager} \cite{Manager} (71) \cite{Manager} \cit$ (51) International classification

(31) Priority Document No: 20105892

(32) Priority Date :26/08/2010

(33) Name of priority :Finland country

(86) International

:PCT/FI2011/050728 Application No

:19/08/2011 Filing Date

(87) International

:WO 2012/025668 Publication No

:NA

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

**Application Number** 

(57) Abstract:

Filing Date

1)OUTOTEC OYJ Address of Applicant : Riihitontuntie 7 FI 02200 Espoo Finland (72)Name of Inventor: 1)URZšA Jaime

The present invention concerns a mixer settler an arrangement comprising a train of at least two mixer settlers and a method for measuring and controlling volumetric O/A ratio and phase disengagement time of organic and aqueous phases in a dispersion. A continuous flow of dispersion is led via an inlet channel (6) from the uptake channel (4) though a measurement chamber (5) to an outlet channel (9) which leads the flow to the pump mixer unit (1). At predetermined time intervals the continuous flow of dispersion is interrupted by closing the inlet and outlet valves (12 13) to retain a sample of dispersion in the measurement chamber (5) for the measurement of the O/A ratio and phase disengagement time.

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

(21) Application No.573/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013 (43) Publication Date: 13/02/2015

#### (54) Title of the invention: SYSTEMS AND METHODS FOR VIDEO CACHE INDEXING

(51) International :H04N5/00,H04N21/231,H04N21/2343 classification

(31) Priority Document

:61/369513

(32) Priority Date

:30/07/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2011/046033

Filing Date

:29/07/2011

(87) International Publication No

:WO 2012/016226

(61) Patent of Addition

Filing Date

:NA :NA

to Application Number Filing Date (62) Divisional to :NA **Application Number** 

:NA

(71)Name of Applicant: 1)BYTEMOBILE INC.

Address of Applicant :2860 De La Cruz Blvd. 2nd Floor Santa Clara California 95050 U.S.A.

(72)Name of Inventor: 1)KOOPMANS Frederick 2)MELNYK Miguel 3)BALIK Reuben

#### (57) Abstract:

Methods and systems for indexing content in a cache data structure within a content cache are disclosed. The methods and systems identify at least one characterization data associated with a received content request and input the at least one characterization data into a hash function to generate an index that is used for identifying an entry associated with the requested content in the cache data structure. The at least one characterization data may include a portion of content associated with the received content request a portion of a Uniform Resource Locator (URL) associated with the received content request an IP address associated with the received content request the length of the content associated with the received content request and one or more parameters parsed from the URL associated with the received content request.

No. of Pages: 34 No. of Claims: 21

(22) Date of filing of Application :26/07/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: TRANSPARENT ELEMENT WITH DIFFUSE REFLECTION

:NA

(51) International classification :B60J3/00,G02B27/01 (71)Name of Applicant :

(31) Priority Document No :1150699 (32) Priority Date :31/01/2011

(33) Name of priority country :France

:PCT/FR2012/050210 | (72)Name of Inventor : (86) International Application No Filing Date :31/01/2012

(87) International Publication No :WO 2012/104547

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France

1)SANDRE CHARDONNAL Etienne

#### (57) Abstract:

Filing Date

This transparent element (1) made in layers has two smooth external main surfaces (2A 4A) and comprises: two external layers (2 4) each of which forms one of the two external main surfaces (2A 4A) of the element (1) and which are made of dielectric materials having substantially the same refractive index (n2 n4) and a central layer (3) interposed between the two external layers this central layer (3) being formed either of a single layer which is a dielectric layer with a different refractive index from that of the external layers or a metallic layer or of a stack of layers comprising at least one dielectric layer with a refractive index different from that of the external layers or a metallic layer. Each surface (SS) of contact between two adjacent layers of the element (1) one of which layers is dielectric and the other metallic or both of which are dielectric layers with different refractive indexes is textured and parallel to the other textured contact surfaces.

No. of Pages: 51 No. of Claims: 21

(21) Application No.970/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: LIQUID COMPOSITION RECORDING METHOD AND RECORDED MATTER

	1)Ricoh Company Ltd. Address of Applicant :3 6 Nakamagome 1 chome Ohta ku Tokyo 1438555 Japan (72)Name of Inventor: 1)GOTOU Hiroshi 2)FUJII Hidetoshi 3)NAGAI Kiyofumi
1	1/069101

# (57) Abstract:

A liquid composition containing: a water soluble cationic polymer obtained by polymerizing monomers containing epihalohydrin and at least one of amine and amide; and water wherein the liquid composition is for agglutinating negatively charged particles which are dispersed in a dispersion liquid.

No. of Pages: 104 No. of Claims: 9

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED SEAT ASSEMBLY FOR TWO WHEELERS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor:  1)KUMARI NISHA GUPTA 2)MEGANATHAN MOHANKUMAR 3)YOGESH CHANDRAKNAT KOTNIS
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### (57) Abstract:

The present invention relates to a seat assembly of a scooter type vehicle, and particularly to an arrangement provided in the seat assembly for accommodating articles like wallets, books, documents, folders and the like. An article holding pouch is disposed in a space available at the bottom portion of the seat assembly and above the utility box where a helmet is placed. The pouch is secured to the seat assembly by means of lock clips which are fastened to the bottom portion of the seat assembly.

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

(19) INDIA

(22) Date of filing of Application :25/06/2013

(21) Application No.4951/CHENP/2013 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention : FINE STRUCTURE LAMINATE METHOD FOR PREPARING FINE STRUCTURE LAMINATE AND PRODUCTION METHOD FOR FINE STRUCTURE LAMINATE

(51) International classification :B29C59/02,B32B3/00

(31) Priority Document No :2010274935 (32) Priority Date :09/12/2010

(33) Name of priority country :Japan

(86) International Application No
Filing Date

Supara

Supara

:RCT/JP2011/078374
:08/12/2011

(87) International Publication No :WO 2012/077738

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:B29C59/02,B32B3/00 (71)Name of Applicant :

1)ASAHI KASEI KABUSHIKI KAISHA

Address of Applicant :3 23 Nakanoshima 3 Chome Kita ku

Osaka shi Osaka 5308205 Japan

(72)Name of Inventor:

1)KOIKE Jun 2)ITO Ryuichi

3)YAMAGUCHI Fujito

#### (57) Abstract:

The purpose of the present invention is to provide: a fine structure laminate capable of forming a fine uneven structure with excellent environmental resistance weather resistance and long term stability over a large area and with high productivity; a method for preparing fine structure laminates using said fine structure laminate; and a production method for fine structure laminates whereby high productivity and increased area are possible. The fine structure laminate has: a base material; a resin layer disposed on top of one main surface of said base material and with a fine uneven structure on the surface thereof; and an inorganic layer that includes a sol gel material with a fine uneven structure that corresponds to the fine uneven structure of the resin layer that is disposed on top of the fine uneven structure of the resin layer. The fine structure laminate is characterized by the fluorine element concentration (Es) in a cured product layer side area of the resin layer being higher than the average fluorine concentration (Eb) of the resin layer.

No. of Pages: 166 No. of Claims: 51

(21) Application No.6231/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention: COATING DEVICE AND METHOD

(51) International classification :B01J35/04,B01J37/02,B05D7/22

(31) Priority Document No :10 2010 008 700.9 (32) Priority Date :19/02/2010

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/052197

Filing Date :15/02/2011

(87) International Publication :WO 2011/101337 A1

(61) Patent of Addition to
Application Number
:NA

Filing Date
(62) Divisional to Application
Number
Filing Date
:NA
:NA

(71)Name of Applicant : 1)UMICORE AG & CO. KG

Address of Applicant :Rodenbacher Chaussee 4 63457

Hanau Wolfgang Germany (72)Name of Inventor:
1)MERGNER Bernd

2)HASSELMANN Wolfgang 3)DETTERBECK Dieter

4)ADLER Sigurd

The invention relates to a novel assembly for coating substrates.

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

<sup>(57)</sup> Abstract:

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : PROCESS FOR MANUFACTURING A FUEL TANK AND USE THEREOF IN A HYBRID VEHICLE

(51) International (71)Name of Applicant: :B29C65/02,B60K15/03,B29C65/00 1)INERGY AUTOMOTIVE SYSTEMS RESEARCH classification (31) Priority Document No :1051692 (Socit Anonyme) (32) Priority Date :09/03/2010 Address of Applicant :Rue de Ransbeek 310 B 1120 (33) Name of priority Bruxelles Belgium :France (72)Name of Inventor: country (86) International 1)MARTIN Philippe :PCT/EP2011/053377 Application No 2)DUPONT Serge :07/03/2011 Filing Date 3)CRIEL Bjorn (87) International :WO 2011/110519 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

#### (57) Abstract:

Filing Date

Process for manufacturing a fuel tank comprising a thermoplastic wall and a fibrous reinforcement on at least one portion of its outer surface according to which: a molten thermoplastic parison is moulded in a mould and is left to cool in order to obtain the wall of the tank; a fibrous reinforcement is chosen that comprises a thermoplastic similar to or compatible with that of the wall of the tank and this reinforcement is heated so as to soften or even melt the thermoplastic of the reinforcement; and the reinforcement is applied to the outer surface of the tank by exerting a force that makes it possible to weld the two elements.

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

(21) Application No.967/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : CHARGING CONTROL METHOD AND DISCHARGING CONTROL METHOD FOR ELECTRICITY STORAGE DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J7/02,H02J7/00 :NA :NA :NA :NA :PCT/JP2010/062606 :27/07/2010 :WO 2012/014281 A1 :NA :NA :NA	(71)Name of Applicant:  1)TAKEDA Yoshifumi Address of Applicant:23 9 Onodai 6 chome Osakasayama shi Osaka 5890023 Japan (72)Name of Inventor: 1)TAKEDA Yoshifumi 2)TAKEDA Harumi
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#### (57) Abstract:

ststDisclosed are a charging control method and a discharging control method for an electricity storage device whereby variations in the inter terminal voltage of capacitors can be suppressed without using a parallel monitor. A capacitor group is used as an electricity storage means in the charging control method. Said capacitor group includes 2n (n being an integer of 2 or more) electric double layer capacitors with equal capacitance and numbered from 1 to 2n and is formed such that adjacent electric double layer capacitors can be connected in series or parallel by a switch and the 2nth electric double layer capacitor and the 1 electric double layer capacitor can be connected in parallel by a switch. Adjacent capacitors among the 2n capacitors (Ci) that form an electricity storage unit (21) are sequentially switched from series connection to parallel connection or the 2nth capacitor (C2n) and the 1 capacitor (C1) are switched to a parallel connection thereby suppressing variations in the inter terminal voltage of each capacitor.

No. of Pages: 73 No. of Claims: 5

(21) Application No.7003/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 10/08/2012 (43) Publication Date: 13/02/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR ACQUIRING AND MONITORING THE DEVELOPMENT OF A PRODUCT-RELATED VARIABLE

(51) International classification :G01D 9/00 (31) Priority Document No :03/07227 (32) Priority Date :16/06/2003 (33) Name of priority country :France

(86) International Application No :PCT/FR2004/001495 (72)Name of Inventor : Filing Date :16/06/2004

(87) International Publication No :WO/2004/113846

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :03474/CHENP/2005

Filed on :21/12/2005 (71)Name of Applicant:

1)STE PROMAG

Address of Applicant :20, BD DU ROY RENE, 13100 AIX

EN PROVENCE France

1)MR. CHRISTIAN KOVACIK 2)MR. MARC BATTYANI

#### (57) Abstract:

Disclosed is a system and method for acquiring and monitoring over time the development of at least one product-related variable. Said system comprising of a support (34) that is associated with the product and supports a set of at least one sensor (26) for measuring said variable and means (30, 32, 34) for processing the data output by the sensor so as to monitor the development of said variable relative to threshold values. Said processing means are provided with a file system (30) in which the data output by the sensor is stored and a management device (32) that organizes storing of the data in the file system and manages retrieval of said data. The file system and the management device being mounted within the support.

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

(22) Date of filing of Application :08/10/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : COMMUNICATION CONTROL METHOD MOBILE STATION DEVICE AND BASE STATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04J99/00,H04B7/04 :2010087264 :05/04/2010 :Japan :PCT/JP2011/058571 :05/04/2011 :WO 2011/125994 :NA :NA	(71)Name of Applicant:  1)NTT DOCOMO INC.  Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku Tokyo 1006150 Japan (72)Name of Inventor:  1)TAOKA Hidekazu 2)ZHANG Bijun 3)SHE Xiaoming
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### (57) Abstract:

A feedback information amount for specifying a precoding weight is lightened. Disclosed is a mobile station device (10) characterized in that a feedback control signal generating unit (108) composed of a plurality of bits representing RI and a plurality of bits representing PMI generates a control signal that specifies a precoding weight from a bit space allocated with bits that represent the same RI in a plurality of ranks higher than a predetermined rank with a bit that represents RI and a bit that represents PMI and sends this control signal to an uplink via an antenna (RX 1 N).

No. of Pages: 51 No. of Claims: 6

(21) Application No.8729/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 13/02/2015

(54) Title of the invention : BASE STATION DEVICE, MOBILE STATION DEVICE AND REFERENCE SIGNAL TRANSMISSION METHOD

(51) International :H04W16/28,H04J11/00,H04W48/10

classification (31) Priority Document No :2010-087382

(32) Priority Date :05/04/2010 (33) Name of priority

country :Japan

(86) International Application No :PCT/JP2011/058643

Filing Date :05/04/2011

(87) International Publication No :WO/2011/126025 A1

(61) Patent of Addition to :N

Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date

:NA
:NA
:NA
:NA

(71)Name of Applicant : 1)NTT DOCOMO, INC.

Address of Applicant :11-1, NAGATACHO 2-CHOME,

CHIYODA-KU, TOKYO 1006150. Japan

(72)Name of Inventor:
1)ABE, TETSUSHI
2)ISHII, HIROYUKI
3)OKUBO, NAOTO
4)OHWATARI, YUSUKE

#### (57) Abstract:

The present invention is designed to perform CQI measurement for adjacent cells without making the processes in the user terminal UE 5 complex. A base station apparatus (eNodeB #1) provided in the serving cell has features of acquiring, from a base station apparatus (eNodeB #2) provided in anadjacent cell, the cell ID of the adjacent cell, and the . position and transmission power of the CSI-RS, as parameters related to the CSI-RS of the adjacent cell, generating a broadcast signal including 10 the above parameters related to the CSI-RS, and transmitting the generated signal to the user terminal (UE).

No. of Pages: 45 No. of Claims: 9

(21) Application No.962/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :06/02/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : HYDROTHERMAL SYNTHESIS OF ZEOLITES OR ZEOLITE LIKE MATERIALS USING MODIFIED MIXED OXIDES

:C01B39/06,C01B39/32 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SD CHEMIE IP GMBH & CO. KG :10 2010 034 005.7 (32) Priority Date :11/08/2010 Address of Applicant: Lenbachplatz 6 80333 M<sup>1</sup>/<sub>4</sub>nchen (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2011/063005 (72)Name of Inventor: Filing Date 1)LARLUS Olivier :28/07/2011 :WO 2012/019923 A3 (87) International Publication No 2)CLAUS Martin (61) Patent of Addition to Application 3)RAKOCZY Albert Rainer :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to a method for producing aluminium silicates in the form of zeolite L and to the intermediate and end products of said method. The invention further relates to the use of said aluminium silicates for the reaction or adsorption of hydrocarbons.

No. of Pages: 46 No. of Claims: 19

(21) Application No.6460/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/07/2012

(43) Publication Date: 13/02/2015

# (54) Title of the invention: SALTS AND POLYMORPHS OF 8 FLUORO 2 {4 [(METHYLAMINO)METHYL]PHENYL} 1 3 4 5 TETRAHYDRO 6H AZEPINO[5 4 3 CD]INDOL 6 ONE

(51) International :C07D487/06,A61K31/55,A61P35/00

classification

(31) Priority Document No:61/304,277 (32) Priority Date :12/02/2010

(33) Name of priority

:U.S.A.

country

(86) International

Application No

Filing Date

(87) International

Publication No

(61) Patent of Addition to **Application Number** 

Filing Date

(62) Divisional to **Application Number** Filing Date

:PCT/IB2011/050571

:10/02/2011

:WO 2011/098971 A1

:NA

:NA

:NA :NA (71)Name of Applicant: 1)PFIZER INC.

Address of Applicant :235 East 42nd Street New York New

York 10017 U.S.A. (72)Name of Inventor:

1)BASFORD Patricia Ann

2)CAMPETA Anthony Michael

3)GILLMORE Adam

4)JONES Matthew Cameron

5)KOUGOULOS Eleftherios

6)LUTHRA Suman 7)WALTON Robert

### (57) Abstract:

The present invention relates to novel polymorphic forms of 8 fluoro 2 {4 [(methylamino)methyl]phenyf} 1 3 4 5 tetrahydro 6H azepino(5 4 3 cd]indol 6 one;(I) and to processes for their preparation. Such polymorphic forms may be a component of a pharmaceutical composition and may be used to treat a mammalian disease condition mediated by poly(ADP ribose) polymerase activity including the disease condition such as cancer.

No. of Pages: 136 No. of Claims: 25

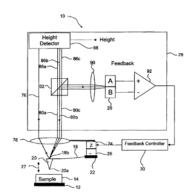
(22) Date of filing of Application :08/06/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention: DYNAMIC PROBE DETECTION SYSTEM

(51) International classification	:G01Q20/02	(71)Name of Applicant:
(31) Priority Document No	:0822603.7	1)INFINITESIMA LTD
(32) Priority Date	:11/12/2008	Address of Applicant :OXFORD CENTRE FOR
(33) Name of priority country	:U.K.	INNOVATION, MILL STREET, OXFORD, OXFORDSHIRE
(86) International Application No	:PCT/GB2009/051701	0X2 OJX GREAT BRITAIN
Filing Date	:11/12/2009	(72)Name of Inventor:
(87) International Publication No	:WO 2010/067129	1)HUMPHRIS, ANDREW
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A dynamic probe detection system (29,32) is for use with a scanning probe microscope of the type that includes a probe (18) that is moved repeatedly towards and away from a sample surface. As a sample surface is scanned, an interferometer (88) generates an output height signal indicative of a path difference between light reflected from the probe (80a,80b,80c) and a height reference beam. Signal processing apparatus monitors the height signal and derives a measurement for each oscillation cycle that is indicative of the height of the probe. This enables extraction of a measurement that represents the height of the sample, without recourse to averaging or filtering, that may be used to form an image of the sample. The detection system may also include a feedback mechanism that is operable to maintain the average value of a feedback parameter at a set level.



No. of Pages: 44 No. of Claims: 40

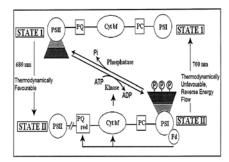
(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A COOLING SYSTEM BASED ON A PHOTOSYNTHETIC MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H01M 8/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)UNIVERSITY OF CALCUTTA Address of Applicant: DEPARTMENT OF BIOCHEMISTRY, 35, BALLYGUNGE CIRCULAR ROAD, KOLKATA 700019, WEST BENGAL, INDIA (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)SEN, KOEL 2)DASGUPTA, MAITRAYEE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SINHA, SANTISWARUP 4)GUPTA, ANJAN, KUMAR, DAS
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a green technology based cooling system. The cooling system is based on a photosynthetic system. Particularly, the invention relates to portable coolers useful for conditioning the surrounding environment and as well as for storing and transporting temperature sensitive items. The green technology based cooling system does not consume electricity and produces cooling with no carbon loss.



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

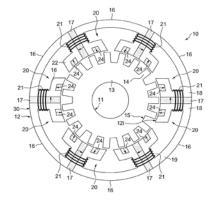
(22) Date of filing of Application :12/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: IMPROVED STATOR FOR FLUX-SWITCHING PERMANENT MAGNET MACHINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H02K 1/00 :NA :NA :NA	(71)Name of Applicant: 1)RENAULT s.a.s Address of Applicant:13-15 QUAI ALPHONSE LE GALLO 92100 BOULOGNE BILLANCOURT FRANCE (72)Name of Inventor:
(86) International Application No	:NA	1)GUDIVADA SRI RANGA NAGA RAJESH
Filing Date	:NA	
(87) 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) A1		

### (57) Abstract:

A flux-switching machine stator (12) comprising an annular array of U-shaped modules (16) separated by permanent magnets (17), each permanent magnet (17) together with the adjacent leg (18) of each adjacent U-shaped module (16) forming a main tooth (30) extending towards the inner circumference of the stator, the main teeth (30) being separated by primary slots (20) formed by the inner space of each U-shaped module (16), the stator (12) comprising secondary teeth (22) defining secondary slots (23). The stator (12) comprises secondary permanent magnets (24) mounted in said secondary slots (23).



No. of Pages: 12 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :23/08/2010

(21) Application No.3098/KOLNP/2010 A

(43) Publication Date: 13/02/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR CLASSIFYING DOCUMENTS

(51) International classification :G06F 17/30 (31) Priority Document No :60/336862 (32) Priority Date :02/11/2001 (33) Name of priority country :U.S.A.

(86) International Application No Filing Date :01/11/2002

(87) International Publication No :WO/2003/040875

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :742/KOLNP/2004 Filed on :02/06/2004

(71)Name of Applicant:

1)THOMSON REUTERS GLOBAL RESOURCES Address of Applicant :LANDIS+GYR-STR.3, ZUG, 6300

**SWITZERLAND** :PCT/US2002/035177 (72)Name of Inventor : 1)AL-KOFAHI KHALID

#### (57) Abstract:

The invention relates to a computer-implemented method of classifying text to one or more target classes in a target classification system, the method comprising identifying one or more noun-word pairs in a portion of text; and determining one or more scores based on frequencies of one or more of the identified noun-word pairs in the portion of text and one or more noun-word pairs in text associated with one of the target classes.

No. of Pages: 43 No. of Claims: 17

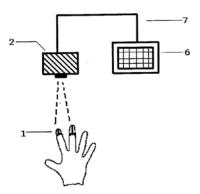
(22) Date of filing of Application :03/01/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A METHOD AND SYSTEM ENABLING CONTROL OF DIFFERENT DIGITAL DEVICES USING GESTURE OR MOTION CONTROL.

	·G06F	(71)Name of Applicant :
(51) International classification	3/00	1)SUMAN, SAURAV
(31) Priority Document No	:NA	Address of Applicant :C/O A.K. AGRAWAL RANI SATI
(32) Priority Date	:NA	MANDIR LANE, NEAR TARA SILAI KENDRA, RATU
(33) Name of priority country	:NA	ROAD, RANCHI, JHARKHAND, PIN: 834001, INDIA
(86) International Application No	:NA	2)SHRIVASTAVA, HARSHIT
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHRIVASTAVA, HARSHIT
(61) Patent of Addition to Application Number	:NA	2)SUMAN, SAURAV
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system for controlling operation of digital devices according to gesture of its user comprising: at least one gesture indicating hardware; at least one imaging device for capturing at least one first array of images of the at least one gesture indicating hardware; and a processor for processing the captured stream of images for; identifying at least one second array of images of the at least one gesture indicating hardware from the at least one first array of images captured by the at least one imaging device; determining at least one geometrical characteristic of bodies present in the at least one second array of images and their variation to construct at least one motion path of the at least one gesture indicating hardware; determining at least one key coordinates point representing at least one motion path; and generating at least one operating instruction to control at least one operation of at least one digital device. Noise cancellation while gesture detection is carried out by evaluating errors as a function of relative distances, boundary distances, and characteristics of various bodies identified beyond a threshold image size. Another approach of removing noise in gesture detection is to fix the emitting device in a still environment and identifying still bodies except emitter and thereby removing those still objects while capturing emitting device in motion.



No. of Pages: 23 No. of Claims: 18

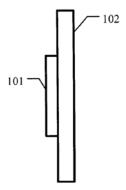
(22) Date of filing of Application :02/12/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: TOUCH BAR AND MOBILE TERMINAL APPARATUS.

(51) Intermedianal alegaification	.C0(E2/0492	(71)Nome of Amelianet.
(51) International classification	:G06F3/0482	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES CO.,LTD.
(32) Priority Date	:NA	Address of Applicant :HUAWEI ADMINISTRATION
(33) Name of priority country	:NA	BUILDING,BANTIAN, LONGGANG DISTRICT,
(86) International Application No	:PCT/CN2013/080958	SHENZHEN,GUANGDONG 518129,P.R.CHINA
Filing Date	:07/08/2013	(72)Name of Inventor:
(87) International Publication No	: WO/2014/117491	1)GAO, YONG
(61) Patent of Addition to Application	:NA	2)HU,HANBIN
Number		
Filing Date	:NA	
	:NA	
(62) Divisional to Application Number	.INA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention disclose a touch bar and a mobile terminal apparatus. The touch bar in the embodiment of the present invention includes: an interface module and a touch panel; the interface module is connected to the touch panel; the interface module is configured to connect in a matching manner to an interface on a mobile terminal; the touch panel is configured to sense a touch operation of a user on the touch panel, generate a corresponding sensing signal, and transmit the sensing signal to a processor in the mobile terminal by using the interface module, so that the processor controls the mobile terminal according to the sensing signal and content currently displayed on a display interface of the mobile terminal. Functions such as flicking a browser page up and down, turning pages of an ebook, and adjusting volume are implemented effectively; the operability is enhanced, and the user experience is prevented from being affected because the screen is blocked due to a tap operation or flick operation of the user, improving the user experience effectively.



No. of Pages: 29 No. of Claims: 14

(21) Application No.2174/KOLNP/2011 A

(19) INDIA

(22) Date of filing of Application :25/05/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention: METHOD FOR CONTROLLING INSECTS IN PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A01P7/04 :61/141,749 :31/12/2008 :U.S.A. :PCT/IL2009/001193 :16/12/2009 :WO 2010/076782 :NA	(71)Name of Applicant:  1)MAKHTESHIM CHEMICAL WORKS LTD.  Address of Applicant: P.O. BOX 60, 84100 BEER SHEVA ISRAEL (72)Name of Inventor:  1)BARAZANI, AVNER
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for controlling woolly apple aphid insect comprising contacting the insect or a locus, where control of the insect is desired, with a combination of at least one neonicotinoid compound and at least one benzoylphenyl urea compound.

No. of Pages: 32 No. of Claims: 20

(21) Application No.816/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention: GROUNDING ELECTRICAL CONNECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/959, 048	(71)Name of Applicant:  1)HUBBELL INCORPORATED  Address of Applicant: 40 WATER VIEW DRIVE SHELTON, CONNECTICUT 06484 UNITED STATES OF AMERICA (72)Name of Inventor:  1)KOVALOV, PAUL
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### (57) Abstract:

An electrical connector includes a base member and first and second legs extending outwardly from the base member. A first recess is defined by the first and second legs for receiving a support. Second recesses extend inwardly from second sides of the first and second legs. A plurality of pairs of oppositely disposed grooves are formed in the second recesses. At least two pairs of the oppositely disposed grooves have different sizes for receiving various conductor sizes.

No. of Pages: 33 No. of Claims: 20

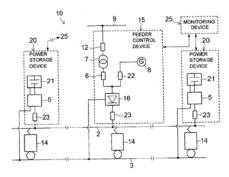
(22) Date of filing of Application: 18/07/2014 (43) Publication Date: 13/02/2015

# (54) Title of the invention : ELECTRIC RAILCAR POWER FEEDING SYSTEM, POWER FEEDING DEVICE, AND POWER STORAGE DEVICE.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:Japan :NA :NA : NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant:1-1,SHIBAURA 1- CHOME,MINATO-KU, TOKYO 105-8001 JAPAN (72)Name of Inventor:  1)MASAYUKI NOGI 2)NOBUHIKO SATAKE
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

### (57) Abstract:

An electric railcar power feeding system in an embodiment includes a power storage device, a rectifier, and an emergency power supply. The power storage device is connected to a feeder line for an electric railcar. The rectifier converts alternating-current power of a first power system to direct-current power and supply the direct-current power for the feeder line. The emergency power supply supplies power of a second power system different from the first power system for the feeder line.



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

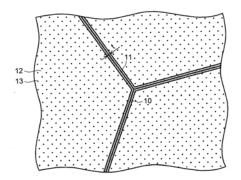
(22) Date of filing of Application :01/08/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention : NI-BASED ALLOY FOR FORGING, METHOD FOR MANUFACTURING THE SAME, AND TURBINE COMPONENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C22C9/06 :2013-	(71)Name of Applicant: 1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	164148 :07/08/2013	Address of Applicant :1-1,SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001 JAPAN
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:Japan :NA	(72)Name of Inventor: 1)SHIGEKAZU MIYASHITA
Filing Date (87) International Publication No	:NA : NA	2)KIYOSHI IMAI 3)KUNIYOSHI NEMOTO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)SHUN OINUMA 5)SHOGO IWAI
(62) Divisional to Application Number Filing Date	:NA :NA	6)TAKEO SUGA

### (57) Abstract:

AnNi-based alloy for forging of an embodiment contains, in mass%, C: 0.01 to 0.07%, Cr: 14 to 26%, Co: 10 to 15%, Mo: 5 to 12%, Al: 0.8 to 3%, Ti: 0.8 to 3%, and B: 0.001 to 0.006%, the balance being made of Ni and an unavoidable impurity, and satisfies are lation of 10 mass%  $\leq$  Mo + 0.176Cr + 0.037Co  $\leq$  15 mass%. Further, an average thickness of a carbide precipitated along a grain boundary is 250 nm or less.



No. of Pages: 32 No. of Claims: 7

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 13/02/2015

# (54) Title of the invention: HIGH VOLTAGE INTERRUPTER UNIT WITH IMPROVED MECHANICAL ENDURANC

(51) International classification :H01H33/66 (31) Priority Document No :13179291.3 (32) Priority Date :05/08/2013 (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 Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant: 1)ABB TECHNOLOGY AG Address of Applicant: AFFOLTERNSTRASSE 44, 8050 ZURICH, SWITZERLAND (72)Name of Inventor: 1)HUNGER, OLAF 2)GOOD, ROMAN 3)KARRER, RETO 4)GOTTI, MANUEL 5)PISU, FRANCESCO 6)NUFER, JÜRG 7)COSTYSON, JOHAN 8)KORBEL, JAKUB 9)FREI, ROMAN 10)BRANDL, FLORIAN 11)BECHERER, JÖRG
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#### (57) Abstract:

A high voltage interrupter unit comprises a switching chamber within which at least two electric contact elements (21; 22, 25) of a contact system (20) are arranged to be moved relative to one another. The contact system (20) further comprises at least one mechanical element (23) which is at least in part not in fixed mechanical connection with either of the two contact elements. In order to increase the mechanical endurance of the contact system (20), the at least one mechanical element (23) is sheathed at least in part in a layer (24) of a synthetic, abrasion resistant material.

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

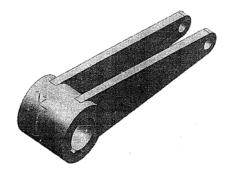
(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: 'AN IMPROVED DAMPER DEVICE FOR ISOLATION OF ASSOCIATED EQUIPMENT IN BOILER DURING ON-LINE MAINTENANCE OF FANS AND AIR PRE-HEATERS'

Filing Date  (87) International Publication No  (81) Patent of Addition to Application Number Filing Date  SNA  FORT, NEW DELHI - 110049, INDIA.  (72)Name of Inventor:  1)SHRI SHAKTIKANTA DASH  2)SHRI JAYAPALAN RAVISHANKAR	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F24H 9/00 :NA :NA :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED  Address of Applicant :REGION CAL OPERATIONS  DIVISION(ROD) PLOT NO.9/1, DJ BLOCK 3RD FLOOR  KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091  HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI
Filing Date :NA GOPINATH	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	FORT, NEW DELHI - 110049, INDIA. (72)Name of Inventor: 1)SHRI SHAKTIKANTA DASH 2)SHRI JAYAPALAN RAVISHANKAR 3)SHRI JAMUNAMARATHUR SIVASUBRAMANIAN

#### (57) Abstract:

The invention relates to an improved damper device for isolation of associated equipment in boiler during on-line maintenance of fans and air pre-heaters, the improvement is characterized in that the device having a drive mechanism comprising at least one lever boss, a drive and/or a lock lever, the drive and/or lock lever provided with at least two lever arms and having a hub, the lever allowing distribution of power from a drive shaft to multiple slave shafts including locking of damper blades, and in that the height of the two lever arms along the major axis is extended using thinner plate member such that the lever arms are wrapped around the hub resulting in increased moment of inertia of the lever including a more uniform distribution of power.



No. of Pages: 13 No. of Claims: 2

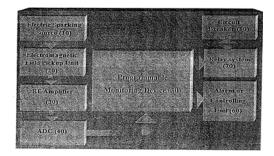
(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A SYSTEM AND A METHOD FOR SPARK/ARC DETECTION IN LOW VOLTAGE ELECTRICAL DISTRIBUTION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H02H 3/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR Address of Applicant: KHARAGPUR - 721 302, WEST BENGAL INDIA. (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)PROF. AUROBINDA ROUTRAY 2)MR. RATNAKAR NUTENKI
(61) Patent of Addition to Application Number	:NA	3)AYAN MUKHERJEE
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates a Real-Time Embedded System for Spark/Arc Detection in Low Voltage Electrical Distribution System, comprising :an electric spark generating source (10), the electric spark including electro magnetic induction (EMI) radiation; an electro magnetic field (EMF) pick- up unit (20) receiving the EMI radiation and generating signal corresponding to the EMI radiation, the electro magnetic field pick-up unit being enabled to detect changes in electromagnetic wave emission resulting in presence of sparking within the system; a low pass (LP) filter (26) including a RF amplifier (30) receiving the output from the EMP pick- up unit (20) for demodulation of the signals; an analog to digital converter (ADC) unit (40) to digitize the analogue output from the LP filter and the amplifier (26,30); a programmable embedded processor (50) for analyzing the digitized signals based on a spectral distance metric to detect presence of any hazardous sparking signal; and an alarm/control unit (60) optionally a relay means (70) capable of being triggered/activated to trip a circuit breaker (80) upon detection of presence of a sparking to prevent further sparking.



No. of Pages: 18 No. of Claims: 2

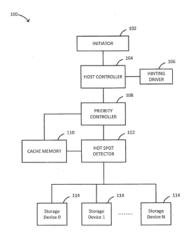
(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD OF CACHING HINTED DATA

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06T 11/00 :NA :NA	(71)Name of Applicant: 1)LSI CORPORATION Address of Applicant:1320 RIDDER PARK DRIVE, SAN JOSE, CALIFORNIA 95131 UNITED STATES OF AMERICA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)AGARWAL VINEET
Filing Date	:NA	2)JAIN ASHISH
(87) International Publication No	: NA	3)SHARMA AMIT KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		

#### (57) Abstract:

The disclosure is directed to a system and method of cache management for a data storage system. According to various embodiments, the cache management system includes a hinting driver and a priority controller. The hinting driver generates pointers based upon data packets intercepted from data transfer requests being processed by a host controller of the data storage system. The priority controller determines whether the data packets are associated with at least a first (high) priority level or a second (normal or low) priority level based upon the pointers generated by the hinting driver. High priority data packets are stored in cache memory regardless of whether they satisfy a threshold heat quotient (i.e. a selected level of data transfer activity).



No. of Pages: 21 No. of Claims: 20

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: SYSTEM AND METHOD OF HINTED CACHE DATA REMOVAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G06F 12/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)LSI CORPORATION  Address of Applicant:1320 RIDDER PARK DRIVE, SAN  JOSE, CALIFORNIA 95131 UNITED STATES OF AMERICA  (72)Name of Inventor:  1)AGARWAL VINEET  2)BHATTARAI DURGA PRASAD  3)SAHA SOURAV
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The disclosure is directed to a system and method of cache management for a data storage system. According to various embodiments, the cache management system includes a hinting driver, a priority controller, and a data scrubber. The hinting driver generates pointers based upon data packets intercepted from data transfer requests being processed by a host controller of the data storage system. The priority controller determines whether the data transfer request includes a request to discard a portion of data based upon the pointers generated by the hinting driver. If the priority controller determines that data transfer request includes a request to discard a portion of data, the data scrubber locates and removes the portion of data from the cache memory so that the cache memory is freed from invalid data (e.g. data associated with a deleted file).

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :05/03/2012 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A HERBAL COMPOSITION FOR PREVENTION AND TREATMENT OF RETENTION OF PLACENTA AND PROCESS THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K 33/34 :NA :NA :NA	(71)Name of Applicant:  1)KALITA Biren Address of Applicant: Jiakur-1 P.O.Kukurmara Dist.  Kamrup State Assam (72)Name of Inventor:
(86) International Application No	:NA	1)KALITA Biren
Filing Date	:NA	
(87) 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 in a preferred embodiment provides a herbal composition used for treatment or prevention of retention of placenta the herbal composition comprising of a part of Dillenia indica to which parts of one or more additional complimentary herb may be optionally added wherein the additional complimentary herb is also a herb used for treatment or prevention of treatment or prevention of placenta. The composition may involve an extract of a part of Dillenia indica which may be administered in the form of a pulp or mixed and treated in a solvent or optionally additives or other herbs may be added to the mixture wherein the said compositions may be administered in various forms to a subject.

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

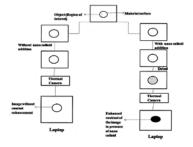
(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A PROCESS FOR SURFACE CHARACTERIZATION USING NANO COLLOIDAL MATERIAL AS CONTRAST ENHANCEMENT AGENT

	90437	
(51) International classification		(71)Name of Applicant:
(51) international classification	25/00	1)UNIVERSITY OF CALCUTTA
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF
(32) Priority Date	:NA	BIOCHMISTRY, 35, BALLYGUNGE CIRCULAR ROAD,
(33) Name of priority country	:NA	KOLKATA 700 019, WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DASGUPTA, ANJAN, KR.;
(87) International Publication No	: NA	2)AZHARUDDIN, MOHAMMAD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The process of the present invention relates to the process for surface characterization of a object in thermal imaging using nano colloidal material as contrast agent comprising the steps of: a) synthesizing said nano colloidal particles; b) tropical administration at the site of characterization; c) surface characterization using thermography; The surface characterization of the present invention is done without the intervention of acoustic or radio frequency fields. The present process is useful in the surface characterization of various biomaterials.



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

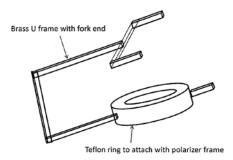
(22) Date of filing of Application :06/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : A CHEAP AND SIMPLE ATTACHMENT TO ORIENT ANY OBJECT TO DESIRED DIRECTION ACCURATELY UNDER MICROSCOPE FOR EFFICIENT VIEWING AND IMAGING

(51) International classification	:G02B21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :INDIAN INSTITUTE OF
(86) International Application No	:NA	TECHNOLOGY, KHARAGPUR 721302, DIST -
Filing Date	:NA	MIDNAPORE, STATE OF WEST BENGAL, INDIA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BHARTI, AMAN,KUMAR;
Filing Date	:NA	2)CHAKRABORTY, JAYANTA:
(62) Divisional to Application Number	:NA	3)SARKAR, DEBASIS;
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a device for analyzing and/or to see an object from different continuous angles and to orient an object at desired position and providing a way for efficient viewing under image capturing device by orienting the concerned object where the means for capturing the image of the object or the eyepiece has only one degree of freedom. The device generally includes the means (2) to focus the said object using lenses and mirrors, means (5) for keeping the object thereover and the means (7) for placing the means (5) for keeping the object improved by a frame (1) with forked end, a spherical steel ball (4) where the object can be placed over and a magnet (6) to rotate the said steel ball where the device can be arranged, designed and connected so that the said object can be oriented as desired and different faces of the said object can be viewed. The invention further relates to a method for analyzing and/or to see an object from different continuous angles and for different orientation of an object at desired position by orienting the object.



No. of Pages: 18 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :17/06/2011

(21) Application No.2513/KOLNP/2011 A

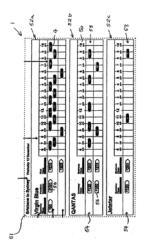
(43) Publication Date: 13/02/2015

# (54) Title of the invention: FLIGHT SELECTION METHOD

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date : N	0/01/2009 Australia PCT/AU2010/000041 9/01/2010 VO 2010/083553	1)STANDBY HOLDINGS PTY LTD Address of Applicant: 13 RAILWAY TERRACE, MILTON, QUEENSLAND 4064 AUSTRALIA (72)Name of Inventor: 1)MOORHEAD, SCOTT
(62) Divisional to Application Number :N Filing Date :N		

### (57) Abstract:

The present invention relates to a flight selection method using a computerised device. The method includes the step of processing flight data relating to flights to produce display data. The display data is displayed by a remote computer in accordance with a flight search query. The display data includes flight representations displayed relative to a timeline. At least one flight representation is associated with more than one fere indicator to provide for a more compact display of flight information.



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

(21) Application No.932/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :12/07/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A NOISE REDUCTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A61M16/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SHARMA, NANDESHWAR  Address of Applicant: VILL. & PO. CHUHADI, CHANPATIYA, WEST CHAMPARAN BIHAR-845450, INDIA  (72)Name of Inventor:  1)SHARMA, NANDESHWAR
(61) Patent of Addition to Application Number	:NA	1)SHARMA, NANDESHWAR
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

The present invention provides for a noise reduction device comprising, a) a hollow cylindrical chamber; b) an inlet component; and c) an outlet component; wherein multiple plates having an excised portion on the surface of its body, wherein each of the plates are placed within the inner circumference of hollow cylindrical chamber. The plates are so arranged that none of excised portions of the adjacent plates align linearly with the each other. The inlet component is for entry of sound waves from a source of noise and the outlet component for exit from the device.

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

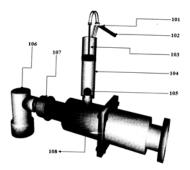
(22) Date of filing of Application :12/07/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A WATER IRRIGATION PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F04B9/14 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SHARMA, NANDESHWAR  Address of Applicant: VILL. & PO. CHUHADI, CHANPATIYA WEST CHAMPARAN, BIHAR-845450, INDIA (72)Name of Inventor:  1)SHARMA, NANDESHWAR
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### (57) Abstract:

The present invention provides for a pump assembly essentially comprising: a. a hand pump; b. a horizontal component; c. a pipe; and d. a motor; wherein the said hand pump comprises of iii. a piston assembly; and iv. a handle to facilitate a pumping mechanism; wherein the pumping mechanism creates vacuum in a vacuum generation area of the said hand pump and pulls out water from a source through the said pipe into the said horizontal component and water thus collected in the said horizontal component is discharged by the said motor.



No. of Pages: 18 No. of Claims: 10

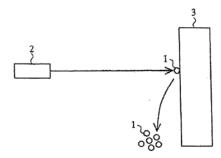
(22) Date of filing of Application :26/05/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A METHOD OF MANUFACTURING PROJECTION MATERIALS FOR A SHOT PEENING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:24/11/2009 :WO 2010/061816 :NA	(71)Name of Applicant: 1)SINTOKOGIO, LTD. Address of Applicant:28-12, MEIEKI 3-CHOME, NAKAMURA-KU, NAGOYA-SHI, AICHI 450-0002 JAPAN (72)Name of Inventor: 1)MITSUBAYASHI, MASAHIKO 2)KANAZAWA, TAKAAKI 3)ISHIKAWA, MASAYUKI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)ISHIKAWA, MASAYUKI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a method for manufacturing a blasting material for shot-peening with which a reliably high level of hardness can be achieved while preventing an increase in the material cost. Quenchable steel is used as a material in a blasting material manufacturing step (S10). After granules (4) which are quenched by means of a water atomization method axe formed in a quenching step (320), the granules (4) are tempered inside a heating furnace (5) at a prescribed temperature (from 130-230°C, and preferably from 160-230C) for a prescribed amount of time in a tempering step (S30). A work hardening treatment is applied in a work hardening step (S40) wherein the granules (4) are blasted/bombarded onto a target material (7) to apply stress to the granules (4) using a shot-peening machine (6).



No. of Pages: 29 No. of Claims: 3

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention : ARRANGEMENT OF OIL FLOW CONTROL FOR SHELL TYPE HYDRO TURBINE GUIDE BEARING

(51) International classification		(71)Name of Applicant:
(51) international elassification	29/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE,
Filing Date	:NA	SIRI FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)KARRI PRASAD
Filing Date	:NA	2)NAVNEET DUBEY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A motor driven gear pump is disposed in the arrangement to suck oil from the lower reservoir (22) to upper reservoir (23) upto a certain level before the turbine starts. A low level oil scraper pump (9) is installed at a very low level to suck oil just above the mounting level of the bearing shell (01). This oil lubricates the bearing. A high level oil scrapper pump is installed at a high level in the lower oil reservoir (22) to pump oil above the coolers (12) in the upper reservoir (23). An intermediate level oil scrapper (13) is installed to pump oil from the lower oil reservoir (22) from a level which is in between the high and low level oil scrappers (09 and 11). This oil ensures adequate circulation of oil during shut down.

No. of Pages: 28 No. of Claims: 3

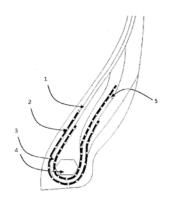
(22) Date of filing of Application: 11/12/2013 (43) Publication Date: 13/02/2015

# (54) Title of the invention: BEAD REINFORCING STRUCTURE FOR HEAVY DUTY TIRE

(51) International classification	:B60C 15/00	(71)Name of Applicant: 1)HANKOOK TIRE CO., LTD.
(31) Priority Document No	:10-2013- 093533	Address of Applicant :647-15, YEOKSAM-1 DONG, GANGNAM-GU, SEOUL, 135-723 REPUBLIC OF KOREA
(32) Priority Date	:07/08/2013	(72)Name of Inventor:
(33) Name of priority country	:Republic of Korea	1)LIM, DONG GYU
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a bead reinforcing structure for a heavy duty tire having a bead in which a carcass is turned up to surround a bead core. The bead reinforcing structure includes a carcass, and an inside steel chafer having a first predetermined inclination angle and an outside steel chafer having a second predetermined inclination angle. The inside and outside steel chafers are disposed inside and outside the carcass, respectively, thereby reinforcing the bead from the inside and outside of the carcass.



No. of Pages: 17 No. of Claims: 5

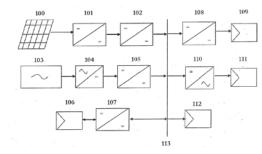
(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A DC NANOGRID POWER DELIVERING SYSTEM

(51) International classification :H04N21/(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 Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR  Address of Applicant:SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL, INDIA; (72)Name of Inventor: 1)MANDI, BIPIN CHANDRA 2)KAPAT, DR. SANTANU 3)KAMESHWAR, POOLLA BALA 4)PATRA, PROF. AMIT
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### (57) Abstract:

An energy efficient DC Nano-grid based power delivering system for delivering regulated voltage to any load platform comprising multiple power sources cooperatively connected to a centralized power grid through even a single boost converter enabled current mode controlled utilization of anyone of said multiple power sources from said multiple power sources depending upon power level of the power sources for delivering the regulated voltage to the load platform connected to said power grid irrespective of its load current requirement.



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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 13/02/2015

# (54) Title of the invention: A CARDIAC SIGNAL CLASSIFICATION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61N1/365 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT  Address of Applicant: WITTELSBACHERPLATZ 2, 80333  MÜNCHEN, GERMANY,
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ARCHANA KALYANSUNDAR
(87) International Publication No	: NA	2)V RAMASUBRAMANIAN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)S THIYAGARAJA
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

A cardiac signal classification system for classifying a cardiac signal by identifying for the cardiac signal a particular class of a plurality of classes of a subject is presented. The cardiac signal includes an acoustic input and an electrical input from the subject. The system includes an acoustic sensor, an electrocardiograph sensor, a signal processing module, a memory, and a template matching module. The acoustic sensor receives the acoustic input from the subject and generates a PCG signal. The electrocardiograph sensor received the electrical input from the subject and generates an ECG signal. The signal processing module generates a test fusion template from the PCG and the ECG signals. The template matching module matches the test fusion template with the reference templates stored in the memory to identify the particular class of the plurality of classes.

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

(22) Date of filing of Application :23/05/2011 (43) Publication Date : 13/02/2015

### (54) Title of the invention: METHOD OF LOCATION UPDATE IN A WIRELESS COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04W64/00 :61/122,412 :15/12/2008 :U.S.A. :PCT/KR2009/007504 :15/12/2009 :WO 2010/071345 :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)PARK, GI WON 2)KONG, TAE GON 3)KIM, YONG HO 4)RYU, KI SEON
Filing Date	:NA :NA	

#### (57) Abstract:

A location update method in a wireless communication system is disclosed. The method for performing a location update in a mobile station (MS) of the wireless communication system including a femtocell includes receiving a deregistration command (DREG-CMD) message that includes not only a paging group identifier (ID) of a first femtocell base station (BS) in which the MS stays but also a paging group ID of a macro BS including the first femtocell BS, initiating a location update delay timer while the MS moves from the first femtocell area to a second femtocell area having a paging group ED different from that of the first femtocell, and performing location update according to an operation of the location update delay timer.

No. of Pages: 62 No. of Claims: 20

(22) Date of filing of Application :27/05/2011

(43) Publication Date: 13/02/2015

# (54) Title of the invention : APPARATUS AND METHOD FOR DATA TRANSMISSION IN WIRELESS COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04J11/00 :61/118,443 :27/11/2008 :U.S.A. :PCT/KR2009/006880 :23/11/2009 :WO 2010/062086	(72)Name of Inventor : 1)MOON, SUNG HO
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	2)KWAJK, JIN SAM 3)HAN, SEUNG HEE

### (57) Abstract:

A data transmitter for a wireless communication system is provided. Said apparatus comprises an OFDM (Orthogonal Frequency Division Multiplexing) symbol generating part that generates a plurality of OFDM symbols, a frame configuration part that configures a frame comprising includes said plurality of OFDM symbols, and a transmission part that transmits said plurality of OFDM symbols based on said frame that has been configured. Said frame is divided into a plurality of sub-frames, the number of OFDM symbols that are included in an optional sub-frame is any one of 5, 6, and 7, and the bandwidth of said wireless communication system is 8.75 MHz. Based on a new frame configuration, new parameter requirements may be satisfied taking backward compatibility into account.



No. of Pages: 70 No. of Claims: 15

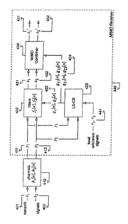
(22) Date of filing of Application :10/06/2011 (43) Publication Date : 13/02/2015

# (54) Title of the invention : TWO-STEPS LEAST SQUARES TIME DOMAIN CHANNEL ESTIMATION FOR OFDM SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04L25/02 :12/365,805 :04/02/2009 :U.S.A. :PCT/US2010/020433 :08/01/2010 :WO 2010/090787 :NA :NA	(71)Name of Applicant:  1)ACORN TECHNOLOGIES, INC.  Address of Applicant: 330 WILSHIRE BOULEVARD, 2ND FLOOR, SANTA MONICA, CALIFORNIA 90401 UNITED STATES OF AMERICA.  (72)Name of Inventor:  1)LOPEZ DE VICTORIA, FERNANDO
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An OFDM system generates a channel estimate in the time domain for use in either a frequency domain equalizer or in a time domain equalizer. Preferably channel estimation is accomplished in the time domain using a locally generated reference signal. The channel estimator generates an initial estimate from a cross correlation between the time domain reference signal and an input signal input to the receiver and generates at least one successive channel estimate. Preferably the successive channel estimate is determined by vector addition (or subtraction) to the initial channel estimate. The at least one successive channel estimate reduces the minimum mean square error of the estimate with respect to a received signal.



No. of Pages: 47 No. of Claims: 18

(22) Date of filing of Application :09/08/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR WATER QUALITY ASSESSMENT

(32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number    NA   Kolkata, West Bengal 700 073, I   (72)Name of Inventor:  1)DASGUPTA, Anjan Kr. 2)RAJA, Sufi Oasim    NA   College   College	e House, 87 /1 College Street, India
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

#### (57) Abstract:

Abstract of the Invention The present technology provides liquid quality assessment systems and methods for their preparation and use. The systems can include a light source configured to illuminate a liquid sample, a reflecting surface configured to reflect light scattered by the liquid sample, and a detector configured to detect light intensity, wherein the light source illuminates the liquid sample with a first incident light when the reflecting surface is absent; the detector detects a first light scattered by the liquid sample in response to the first incident light; the light source illuminates the liquid sample with a second incident light when the reflecting surface is present; and the detector detects a second light which is a combination of light scattered by the liquid sample in response to the second incident light and light reflected by the reflecting surface of light scattered by the liquid sample in response to the second incident light.

No. of Pages: 60 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2013

(43) Publication Date: 13/02/2015

(21) Application No.944/KOL/2013 A

### (54) Title of the invention: PSYCHROPHILIC ENZYME COMPOSITIONS AND METHODS FOR MAKING AND USING SAME

### (57) Abstract:

Enzyme compositions with enhanced enzyme activity, and/or thermophilic and psychrophilic stability are described. Additionally, methods and kits for making and using the enzyme compositions are provided.

No. of Pages: 72 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.941/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :09/08/2013 (43) Publication Date : 13/02/2015

### (54) Title of the invention: ENZYME STABILIZATION BY CARBON NANOTUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N 9/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)University Of Calcutta Address of Applicant: Senate House, 87 /1 College Street, Kolkata, West Bengal 700 073, India (72)Name of Inventor: 1)DASGUPTA, Anjan Kr. 2)BHATTACHARYYA, Tamoghna 3)MUKHOPADHYAY, Arka 4)DUTTA, Nalok 5)CHAKRABORTY, Krishanu
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### (57) Abstract:

The present technology provides for enzyme compositions with enhanced enzyme activity, thermophilic and psychrophilic stability. Additionally, the present technology provides for methods and kits for making and using the enzyme compositions.

No. of Pages: 73 No. of Claims: 10

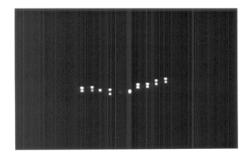
(22) Date of filing of Application :09/08/2013 (43) Publication Date : 13/02/2015

## (54) Title of the invention: ENZYMATIC SENSORS AND METHODS FOR THEIR PREPARATION AND USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	33/00 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)University Of Calcutta     Address of Applicant: Senate House, 87 /1 College Street,</li> <li>Kolkata, West Bengal 700 073, India</li> <li>(72)Name of Inventor:</li> <li>1)DASGUPTA, Anjan Kr.</li> <li>2)RAY, Sanhita</li> </ul>
(87) International Publication No	: NA	3)CHATTERJEE, Arumoy
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)BHATTACHARYYA, Tamoghna
(62) Divisional to Application Number	:NA	5)BHADURI, Satarupa 6)BOSE, Anirban
Filing Date	:NA	0)DOSE, Am ban

### (57) Abstract:

Disclosed herein are methods, compositions and devices for detecting oxygen in various samples such as environmental and biological samples.



No. of Pages: 41 No. of Claims: 10

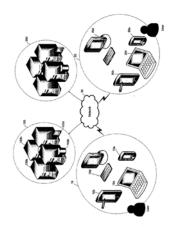
(22) Date of filing of Application :15/07/2014 (43) Publication Date : 13/02/2015

### (54) Title of the invention: METHODS AND SYSTEMS FOR SEARCHING SOFTWARE APPLICATIONS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	51/862,967 07/08/2013 J.S.A. NA NA (72 NA 1	71)Name of Applicant: 1)FIISER INC. Address of Applicant:9F., NO.66, SANCHONG RD., IANGANG DIST., TAIPEI CITY 115, TAIWAN 72)Name of Inventor: 1)LIN HSIU-PING 2)WU CHI-JEN
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### (57) Abstract:

A method for searching for software applications (or apps) is provided. In the method, one or more software applications are scheduled for execution according to a scheduling policy. The software applications are executed according to the scheduling policy. Application data of the software applications is collected. The collected application data is stored. A query is received. The stored application data is searched. Information regarding software applications whose corresponding stored application data relevant to the query is transmitted.



No. of Pages: 76 No. of Claims: 28

## **AMENDMENT UNDER SEC.57, (KOLKATA)**

**(1)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the name of the Patentee in respect of Patent Nos. 252305 (1661/KOLNP/2006) & 230115 (36/KOLNP/2006) have been amended as follows:

MERCK EPROVA AG to MERCK & CIE

**(2)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address of the Patentee in respect of Patent Nos. 254300 (1459/Kolnp/2007) has been amended as follows:

M/s. COMPANY NUMBER B 102425,2 AVENUE CHARLES DE GAULLE,L-1653, LUXEMBERG to 32-36 BOULEVARD D' AVRANCHES L-1160 LUXEMBOURG

**(3)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the name of the Patentee in respect of Patent Nos. 207405 (IN/PCT/2002/258/KOL) have been amended as follows:

MATSUSHITA ELECTRIC INDUSTRIAL CO.LTD TO PANASONIC CORPORATION

# PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

Sl.N o.	Appln. No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Approp riate Office
1.	IN/PCT/2001/884/K OL	199393	ABB RESEARCH LTD.	A FOSSIL FUEL-FIRED STEAM GENERATOR AND A SILICON CARBIDE PHOTODIODE BASED FLAME SCANNER THEREFOR.	26/09/2014	kolkata

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Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Applicatio n	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	265078	7889/DELNP/2008	16/03/2007	21/03/2006	A CHIMERIC GENE	BAYER CROPSCIENCE NV	23/04/2010	DELHI
2	265080	1966/DELNP/2007	23/08/2005	13/09/2004	METHOD FOR SHAPING AN ASSEMBLING ELEMENT AND ASSEMBLING ELEMENT	SIEMENS VAI METALS TECHNOLOGIES GmbH	17/08/2007	DELHI
3	265082	578/DELNP/2007	05/07/2005	08/07/2004	PHARMACEUTICAL COMPOSITION FOR PRODUCING ANTI- TUMOR EFFECTS.	CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA	03/08/2007	DELHI
4	265085	1713/DELNP/2008	01/08/2006	09/08/2005	A PROCESS FOR THE SELECTIVE ABSORPTION OF H2S	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,	27/06/2008	DELHI
5	265089	1996/DELNP/2004	18/03/2003	19/03/2002	A NOVEL COMPOSITION FOR CONTROLLING PLANT DISEASES	E.I. DU PONT DE NEMOURS AND COMPANY	06/04/2007	DELHI
6	265091	1721/DELNP/2006	06/11/2003	06/11/2003	METHOD FOR RETRIEVING AND DELIVERING MULTIMEDIA MESSAGES USING THE SESSION INITIATION PROTOCOL	SIEMENS AKTIENGESELLSCHA FT	13/04/2007	DELHI
7	265093	10260/DELNP/200 7	31/01/2006	29/06/2005	ISOFALVONE NANOPARTICLES AND USE THEREOF	DSM IP ASSETS B.V.	20/06/2008	DELHI
8	265094	4124/DELNP/2006	14/01/2005	16/01/2004	FLUID PRODUCT DISPENSING DEVICE	VALOIS S.A.S.	13/07/2007	DELHI
9	265096	8357/DELNP/2008	19/04/2007	20/04/2006	A PROCESS FOR PRODUCING PARTICLES	THE PROCTER & GAMBLE COMPANY	27/03/2009	DELHI
10	265097	2620/DELNP/2010	23/10/2008	24/10/2007	CATALYST FOR PRODUCTION OF NITRIC OXIDE	YARA INTERNATIONAL ASA	01/10/2010	DELHI
11	265098	3975/DELNP/2006	05/01/2005	15/01/2004	INKING SYSTEM FOR INTAGLIO PRINTING MACHINE	KBA-NOTASYS SA	27/04/2007	DELHI

					METHODS FOR			
12	265100	3856/DELNP/2009	10/12/2007	13/12/2006	COATING A METAL SUBSTRATE AND RELATED COATED SUBSTRATES	PPG INDUSTRIES OHIO, INC.	09/04/2010	DELHI
13	265102	6704/DELNP/2008	22/03/2007	29/03/2006	IMPROVED PROCESS FOR PRODUCING LOWER OLEFINS FROM HEAVY HYDROCARBON FEEDSTOCK UTILIZING TWO VAPOR/LIQUID SEPARATORS	SHELL INTENATIONALE RESEARCH MAATSCHAPPIJ B.V	24/10/2008	DELHI
14	265103	1049/DELNP/2008	17/08/2006	25/08/2005	PREHEATING OF FUEL AND OXIDANT FOR OXY-BURNERS, USING COMBUSTION AIR PREHEATING INSTALLATIONS	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE L'EXPLOITATION DES PROCEDES GEORGES CLAUDE,AGC FLAT GLASS EUROPE SA	04/07/2008	DELHI
15	265106	2174/DEL/2004	01/11/2004		PROCESS FOR THE SYNTHESIS OF ENANTIOMERICALLY PURE ALKYS (S)- 4- BROMO-3- HYDROXYBUTANOATE	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH,	18/08/2006	DELHI
16	265107	1050/DEL/2008	23/04/2008 15:39:59	25/04/2007	DOOR APPARATUS OF ELEVATOR	HITACHI,LTD.,HITACHI BUILDING SYSTEMS CO., LTD.	19/12/2008	DELHI
17	265108	4092/DELNP/2008	03/05/2007	05/05/2006	ANTIOXIDANT ADDITIVE FOR LUBRICANT COMPOSITIONS, COMPRISING ORGANOTUNGSTATE, DIARYLAMINE AND ORGANOMOLYBDENU M COMPOUNDS	R.T. VANDERBILT COMPANY, INC.	20/03/2009	DELHI
18	265110	2748/DEL/2007	28/12/2007 12:52:33		PYRROLE END- CAPPED BIPYRIDINE ASSAY POWDER FOR SELECTIVE DETECTION OF ZINC IONS AND PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	17/07/2009	DELHI
19	265111	1718/DELNP/2008	11/08/2006	12/08/2005	COMPOSITION FOR POLYURETHANE FOAM, POLYURETHANE FOAM OBTAINED FROM THE COMPOSITION, AND USE THEREOF	MITSUI CHEMICALS POLYURETHANES, INC.	27/06/2008	DELHI

					ECO-FRIENDLY PROCESS	HIDH ANT LIFE		
20	265115	2021/DEL/2006	12/09/2006		FOR RECOVERY OF PYRIDINE AND /OR ITS DERIVATIVES	JUBILANT LIFE SCIENCES LIMITED	04/04/2008	DELHI
21	265116	9202/DELNP/2007	01/06/2006	03/06/2005	COATING PROCESS FOR FORMING FILMS CONTAINING ULTRAVIOLETOR INFRARED-SCREEING AGENTS	FUMIN CORPORATION	08/02/2008	DELHI
22	265117	5879/DELNP/2007	03/01/2006	03/01/2005	ISOLATED NUCLEIC ACID MOLECULE AND METHOD OF DETECTING A TARGET NUCLEIC ACID MOLECULE	THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION	17/08/2007	DELHI
23	265118	1345/DEL/2006	06/06/2006	07/06/2005	An attachment for an injection system for a turbojet combustion chamber and method of attachment	SNECMA	24/08/2007	DELHI
24	265120	1398/DELNP/2008	18/07/2006	19/08/2005	CONNECTION OF STEEL CORD ENDS	NV BEKAERT SA,	01/08/2008	DELHI
25	265121	7549/DELNP/2008	19/03/2007	29/03/2006	ACTIVE COMPOUND COMBINATIONS HAVING INSECTICIDAL PROPERTIES	BAYER CROPSCIENCE AG	24/10/2008	DELHI
26	265123	2617/DEL/2008	19/11/2008 15:05:34		MEDIUM FOR DETERMINATION OF TOTAL PLATE COUNT IN FOOD	THE DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION	28/05/2010	DELHI
27	265132	353/DEL/2008	11/02/2008 16:04:59		SUSTAINED RELEASE PHARMACEUTICAL COMPOSITIONS CONTAINING CURCUMIN AND BETA- CYCLODEXTRIN	PANJAB UNIVERSITY.,	04/09/2009	DELHI
28	265133	4947/DELNP/2009	20/02/2008	20/02/2007	AN AGENT FOR THE OXIDATIVE OR NON- OXIDATIVE COLORING OR SIMULTANEOUSLY LIGHTENING AND COLORING OR BLEACHING OF KERATIN FIBERS	THE PROCTER & GAMBLE COMPANY	12/03/2010	DELHI
29	265136	8109/DELNP/2008	30/03/2007	03/04/2006	PROCESS FOR PREPARING TRIAZOLE DERIVATIVES OF FORMULA (I)	GLAXO GROUP LIMITED	08/05/2009	DELHI

30	265140	2003/DELNP/2009	02/10/2006	16/10/2006	LOW-BUILDER, HIGHLY WATER-SOLUBLE, LOW- DENSITY SOLID LAUNDRY DETERGENT COMPOSITION'	THE PROCTER & GAMBLE COMPANY	19/06/2009	DELHI
31	265141	9556/DELNP/2008	14/05/2007	12/05/2006	PHARMACEUTICAL COMPOSITION HAVING REDUCED ABUSE POTENTIAL	ODIDI, ISA,ODIDI, AMINA	20/03/2009	DELHI
32	265146	7519/DELNP/2009	22/05/2008	21/06/2007	A PROCESS FOR CATALYTIC CONVERSION OF FEEDSTOCK	EXXONMOBIL CHEMICAL PATENTS INC.	02/07/2010	DELHI
33	265148	3281/DELNP/2006	10/12/2004	12/12/2003	TWO-PART CURING HIGH-DURABLE POLYURETHANE ELASTOMER	NIHON GOSEI KAKO CO. LTD.,	24/08/2007	DELHI
34	265154	3557/DELNP/2008	27/09/2006	31/10/2005	ANTENNA WITH A SPLIT RADIATOR ELEMENT	MOTOROLA INC.	08/08/2008	DELHI
35	265156	1492/DELNP/2009	04/09/2007	06/09/2006	SOLID LUBRICANT AND SLIDING MEMBER	OILES CORPORATION	20/08/2010	DELHI
36	265157	697/DELNP/2010	29/07/2008	03/08/2007	PRETREATMENT COMPOSITION AND METHODS FOR COATING A METAL SUBSTRATE	PPG INDUSTRIES OHIO, INC.	23/08/2013	DELHI
37	265158	674/DEL/2005	29/03/2005	28/04/2004	CONFIGURABLE PCI EXPRESS SWITCH	MICROSOFT CORPORATION	31/07/2009	DELHI
38	265165	2844/DELNP/2006	28/11/2003	28/11/2003	A METHOD FOR MEDIATING IN MANAGEMENT OF A PLURALITY OF DEVICES IN A TELECOMMUNICATIONS SYSTEM	TELEFONAKTIEBOLAGE T LM ERICSSON (PUBL)	03/08/2007	DELHI
39	265168	1687/DEL/2005	30/06/2005	09/07/2004	METHODS AND ARRANGEMENTS FOR REDUCING PARTIAL DISCHARGES ON PRINTED CIRCUIT BOARDS	GENERAL ELECTRIC COMPANY	31/08/2007	DELHI
40	265169	428/DEL/2004	12/03/2004	02/05/2003	COMMUNICATING MESSAGE OVER TRANSIENT CONNECTIONS IN A PEER TO PEER NETWORK	MICROSOFT CORPORATION	08/09/2006	DELHI
41	265170	2462/DELNP/2004	19/12/2003	19/02/2002	HEAT TRANSFER COMPOSITIONS WITH HIGH ELECTRICAL RESISTANCE FOR FUEL CELL ASSEMBLIES	HONEYWELL INTERNATIONAL INC.	02/10/2009	DELHI
42	265171	1113/DELNP/2009	21/09/2007	22/09/2006	A THREE LAYER STRUCTURE	BOREALIS TECHNOLOGY OY	22/05/2009	DELHI
43	265173	5674/DELNP/2008	13/12/2006	21/12/2005	A PRESSURE SWING ADSORPTION PROCESS FOR THE REMOVAL OF HYDROCARBONS	UOP LLC	26/09/2008	DELHI

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44	265174	3178/DELNP/2008	27/10/2005	27/10/2005	A THERMOPLASTIC ELASTOMER COMPOSITION	EXXONMOBIL CHEMICA PATENTS INC,,THE YOKOHAMA RUBBER CO.,LTD	15/08/2008	DELHI
45	265175	1056/DEL/2010	05/05/2010 12:43:22	26/05/2009	CATIONIC ELECTRODEPOSITION COATING COMPOSITION	KANSAI PAINT CO., LTD.	20/09/2013	DELHI
46	265176	9528/DELNP/2007	10/07/2006	12/07/2005	OLIGOMERISATION OF OLEFINIC COMPOUNDS IN THE PRESENCE OF A DILUTED METAL CONTAINING ACTIVATOR	SASOL TECHNOLOGY (PTY) LIMITED	27/06/2008	DELHI
47	265181	8323/DELNP/2007	09/05/2002	09/05/2002	2-(ALPHA- HYDROXYPENTYL) BENZOATE AND ITS PREPARATION	INSTITUTE OF MATERIA MEDICA CHINESE ACADEMY OF MEDICAL SCIENCES	11/01/2008	DELHI
48	265182	146/DELNP/2007	13/07/2005	15/07/2004	COMPOSITION COMPRISING ETHYLENE COPOLYMERS AND POLYOLEFIN AND TACKIFIER	E.I. DU PONT DE NEMOURS AND COMPANY	03/08/2007	DELHI
49	265183	8924/DELNP/2007	12/05/2006	13/05/2005	LOCAL CONDITIONAL ACCESS METHOD FOR MOBILE EQUIPMENT	NAGRA FRANCE SAS	21/12/2007	DELHI
50	265184	4794/DELNP/2007	22/12/2005	07/01/2005	HETEROAROMATIC QUINOLINE COMPOUNDS	PFIZER PRODUCTS INC.	17/08/2007	DELHI
51	265185	2689/DELNP/2007	07/11/2005	09/11/2004	SPIROCYCLIC KETOLS AND THEIR USE	GIVAUDAN SA	13/07/2007	DELHI
52	265186	3176/DELNP/2007	02/11/2005	05/11/2004	METHOD FOR PRODUCING CHIRAL 8- (3-AMINO-PIPERIDIN-1- YL)-XANTHINES		31/08/2007	DELHI
53	265188	5198/DELNP/2008	19/12/2006	19/12/2005	METHOD FOR VIRAL INACTIVATION BY DRY HEATING BASED ON GLASS TRANSITION TEMPERATURE	LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, Societe Anonyme	22/05/2009	DELHI
54	265189	5764/DELNP/2008	11/01/2007	16/01/2006	MUTILIN DERIVATIVES AS PHARMACEUTICALS	NABRIVA THERAPEUTICS AG	24/10/2008	DELHI
55	265196	4599/DELNP/2006	20/01/2005	23/01/2004	DEVICE COMPRISING FIBRE-REINFORCED PART AND A METHOD FOR MANUFACTURING THE SAME	LM GLASFIBER A/S	24/08/2007	DELHI
56	265198	5809/DELNP/2007	20/02/2006	21/02/2005	PROCESS FOR THE PRODUCTION OF 2-(2- AMINOPHENYL)- BICYCLOPROPANE DERIVATIVES	SYNGENTA PARTICIPATIONS AG	17/08/2007	DELHI

Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	265084	1040/MUMNP/2009	03/12/2007	08/12/2006	METHODS AND APPARATUS FOR LOW- COMPLEXITY INSTRUCTION PREFETCH SYSTEM	QUALCOMM INCORPORATED	12/06/2009	MUMBAI
2	265105	155/MUMNP/2009	02/08/2007	08/08/2006	LOW OUTPUT SKEW DOUBLE DATA RATE SERIAL ENCODER	QUALCOMM INCORPORATED	15/05/2009	MUMBAI
3	265150	1102/MUMNP/2007	13/01/2006	13/01/2005	HEARING IMPLANT	SENTIENT MEDICAL LIMITED	12/10/2007	MUMBAI
4	265155	15/MUMNP/2009	31/07/2007	31/07/2006	SYSTEMS, METHODS, AND APPARATUS FOR WIDEBAND ENCODING AND DECODING OF INACTIVE FRAMES	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
5	265195	2296/MUMNP/2008	19/04/2007	19/04/2006	APPARATUS AND METHOD OF LOW LATENCY MULTI-HOP COMMUNICATION	QUALCOMM INCORPORATED	16/01/2009	MUMBAI
6	265197	2438/MUMNP/2008	25/04/2007	25/04/2006	UPLINK SYNCHRONIZATION WITH NON-SERVING CELLS IN ORDER TO REDUCE HANDOVER LATENCY	QUALCOMM INCORPORATED	20/02/2009	MUMBAI

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	265081	1610/CHENP/2007	14/10/2005	20/10/2004	METHOD OF REDUCING QUANTIZATION NOISE	KONINKLIJKE PHILIPS ELECTRONICS N.V	31/08/2007	CHENNAI
2	265086	2923/CHENP/2008	08/12/2006	12/12/2005	THERAPEUTIC VACCINE	AC IMMUNE SA	06/03/2009	CHENNAI
3	265092	5441/CHENP/2007	26/04/2006	27/04/2005	САР	SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA	28/03/2008	CHENNAI
4	265095	5520/CHENP/2007	01/06/2005	01/06/2005	CROSS-WEB HEAT DISTRIBUTION SYSTEM AND METHOD USING CHANNEL BLOCKERS	3M INNOVATIVE PROPERTIES COMPANY	28/03/2008	CHENNAI
5	265101	1540/CHENP/2007	11/10/2005	15/10/2004	AN ISOCYANATE- TERMINATED PREPOLYMER COMPOSITION AND A POLYURETHANE OR POLYUREA ELASTOMER PRODUCED THEREFROM	DOW GLOBAL TECHNOLOGIES LLC.	31/08/2007	CHENNAI
6	265109	878/CHE/2009	17/04/2009	17/04/2008	COMPRESSOR CYCLE CONTROL METHOD FOR A VEHICLE AIR CONDITIONING SYSTEM	DELPHI TECHNOLOGIES, INC.	22/06/2012	CHENNAI
7	265112	1206/CHENP/2008	30/08/2006	12/09/2005	BITUMINOUS PAVING COMPOSITION AND PROCESS FOR BITUMINOUS PAVING	ALM HOLDING CO	28/11/2008	CHENNAI
8	265113	3139/CHENP/2007	14/12/2005	17/12/2004	METHOD FOR PRODUCING MICROCELLULAR POLYURETHANE ELASTOMERS	BASF AKTIENGESELLSCHAFT	07/09/2007	CHENNAI
9	265114	2641/CHENP/2008	28/11/2006	28/11/2005	DIKETOPYRROLO- PYRROLE COMPOUNDS	AGFA GRAPHICS NV	06/03/2009	CHENNAI

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10	265119	5765/CHENP/2008	23/04/2007	25/04/2006	INTERMEDIATE FILM FOR LAMINATED GLASS AND LAMINATED GLASS	SEKISUI CHEMCIAL CO., LTD.,	27/03/2009	CHENNAI
11	265125	503/CHENP/2008	19/05/2006	07/10/2005	PROCESS FOR INCREASING PRODUCTION OF LIGHT OLEFINS FROM HYDROCARBON FEEDSTOCK IN CATALYTIC CRACKING	SK INNOVATION CO, LTD	19/09/2008	CHENNAI
12	265127	619/CHE/2007	26/03/2007 16:30:18		METHOD AND SYSTEM OF CONVEYING OF LOCATION OF MOBILE DEVICE USING AUTOMATICALLY SYNTHESIZED VOICE CALLS	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	28/11/2008	CHENNAI
13	265128	111/CHE/2009	16/01/2009 15:59:17	17/01/2008	STATOR OF ROTATING ELECTRIC MACHINE	MITSUBISHI ELECTRIC CORPORATION	04/06/2010	CHENNAI
14	265129	1674/CHE/2008	10/07/2008 16:34:49	12/07/2007	AN IMPROVED EMERGENCY BEACON	AIRBUS HELICOPTERS	21/08/2009	CHENNAI
15	265130	3103/CHENP/2007	05/12/2005	17/12/2004	PULSED X-RAY FOR CONTINUOUS DETECTOR CORRECTION	KONINKLIJKE PHILIPS ELECTRONICS N. V	07/09/2007	CHENNAI
16	265131	4317/CHENP/2007	17/11/2005	01/03/2005	TAP CHANGER	MASCHINENFABRIK REINHAUSEN GMBH	25/01/2008	CHENNAI
17	265134	2751/CHE/2007	23/11/2007		SYSTEM AND METHOD FOR OPTIMIZING BATTERY USAGE OF A MOBILE STATION DURING LIMITED SERVICE	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	08/11/2013	CHENNAI
18	265139	7137/CHENP/2010	09/04/2009	14/04/2008	A METHOD FOR PRODUCING AN AQUEOUS GLUCOSE SOLUTION	BASF SE	05/08/2011	CHENNAI
19	265143	2702/CHE/2007	21/11/2007		A METHOD FOR DEMODULATION OF A COMPOSITE/SINGLE FSK MODULATED SIGNAL	INDIAN SPACE RESEARCH ORGANISATION	02/04/2010	CHENNAI

20	265144	4071/CHENP/2006	05/05/2005	05/05/2004	PERIPHERAL UNIT TO PROVIDE ADDITIONAL FUNCTIONALITY TO AN OFF-THE-SELF HANDHELD HOST DEVICE	KHYBER TECHNOLOGIES CORPORATION	15/06/2007	CHENNAI
21	265145	4328/CHENP/2007	06/09/2005	18/04/2005	SYSTEM AND METHOD FOR IMPLEMENTING DATA- COMPATIBILITY- BASED VERSION SCHEME	RESEARCH IN MOTION LIMITED	25/01/2008	CHENNAI
22	265147	6260/CHENP/2008	17/05/2007	17/05/2006	A METHOD OF MAKING RECOMBINED WHOLE GRAIN HAVING INDISTINGUISHABL E PARTICULATE MATTER	GENERAL MILLS MARKETING, INC	27/03/2009	CHENNAI
23	265161	4030/CHENP/2007	15/03/2006	17/03/2005	POLYMER BLENDS FROM BLOCK INTERPOLYMERS OF ETHYLENE/ALPHA- OLEFINS AND FLEXIBLE MOLDED ARTICLES MADE THEREFROM	DOW GLOBAL TECHNOLOGIES , LLC	23/11/2007	CHENNAI
24	265162	3009/CHENP/2008	28/11/2006	16/12/2005	PROCESS FOR PREPARING ALKALI AND HEAT-STABLE POLYOLS	CARGILL, INCORPORATED	06/03/2009	CHENNAI
25	265163	4638/CHENP/2007	29/03/2006	20/04/2005	A PROPULSION AND STEERING ARRANGEMENT FOR A SHIP	ROLLS-ROYCE AKTIEBOLAG	11/01/2008	CHENNAI
26	265166	7025/CHENP/2008	15/06/2007	20/04/2006	PROCESS FOR PRODUCING POXVIRUSES AND POXVIRUS COMPOSITIONS	TRANSGENE, SA.,	27/03/2009	CHENNAI
27	265167	4233/CHENP/2007	23/03/2006	24/03/2005	EXHAUST GAS HEAT EXCHANGER, IN PARTICULAR AN EXHAUST GAS COOLER FOR EXHAUST GAS RECIRCULATION IN MOTOR VEHICLES	BEHR GMBH & CO.KG	21/12/2007	CHENNAI

28	265180	2359/CHENP/2007	11/11/2005	02/12/2004	TIMEPIECE INCLUDING OPTICAL GUIDE WHICH PERFORMS THE FUNCTION OF A CRYSTAL	ASULAB, S.A.	07/09/2007	CHENNAI
29	265187	5352/CHENP/2007	16/05/2006	26/05/2005	SLIP- AND LEVELLING AGENT	CIBA HOLDING INC.	27/06/2008	CHENNAI
30	265190	557/CHENP/2007	09/07/2004	09/07/2004	A FLEXIBLE INTAKE SYSTEM FOR A TWO-STROKE INTERNAL COMBUSTION ENGINE WITH ADDITIONAL AIR SUPPLY, COMPRISING A BAFFLE TO SECURE DUCTS TO THE CYLINDER WALL	HUSQVARNA AB	24/08/2007	CHENNAI
31	265192	326/CHE/2008	07/02/2008 16:25:17	08/02/2007	VAPOUR RECOVERY SYSTEM FOR A VEHICLE FUEL TANK	DELPHI TECHNOLOGIES, INC.	21/08/2009	CHENNAI
32	265199	4508/CHENP/2007	28/03/2006	12/04/2005	ELECTRIC MOTOR	SEW-EURODRIVE GMBH & CO KG	25/01/2008	CHENNAI

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1	265079	1368/KOLNP/2008	05/09/2006	07/09/2005	A MELAMINE POLYOL AND A PROCESS FOR PREPARING SAME THEREOF	AKZO NOBEL COATINGS INTERNATIONAL B.V.	26/12/2008	KOLKATA
2	265083	3117/KOLNP/2006	07/05/2005	07/05/2004	A METHOD FOR PROVIDING A BROADCAST SERVICE IN A MOBILE COMMUNICATION SYSTEM	SAMSUNG ELECTRONICS CO. LTD.	08/06/2007	KOLKATA
3	265087	3321/KOLNP/2006	23/05/2005	21/05/2004	PHARMACEUTICAL TABLETS COMPRISING TWO OR MORE UNITARY SEGMENTS	ACCU-BREAK TECHNOLOGIES, INC.,	15/06/2007	KOLKATA
4	265088	255/KOLNP/2007	21/07/2005	26/07/2004	AN ELECTROSTATIC PRECIPITATOR AND A METHOD FOR CONTROLLING ELECTROSTATIC PRECIPITATORS	SIEMENS AKTIENGESELLSCH AFT	29/06/2007	KOLKATA
5	265090	4766/KOLNP/2007	17/03/2006	20/05/2005	THE COMPOSITIONS FOR INHIBITING PAIN/INFLAMATION AND SPASM COMPRISING KETOPROFEN AND NIFEDIPINE	OMEROS CORPORATION	15/02/2008	KOLKATA
6	265099	4641/KOLNP/2007	22/05/2006	23/05/2005	BODY FLUID TREATING FILTER DEVICE	ASAHI KASEI MEDICAL CO., LIMITED	02/05/2008	KOLKATA
7	265104	2309/KOLNP/2007	07/11/2005	26/11/2004	STABLE CRYSTAL MODIFICATIONS OF DOTAP CHLORIDE	MERCK PATENT GMBH	17/08/2007	KOLKATA
8	265122	2626/KOLNP/2008	27/12/2006	10/01/2006	METHOD FOR PRODUCING HALOGEN - SUBSTITUTED BENZENEDIMETHANOL	SUMITOMO CHEMICAL COMPANY, LIMITED	23/01/2009	KOLKATA
9	265124	2001/KOLNP/2008	30/11/2006	13/12/2005	METALLIC CORD, RUBBER/CORD COMPOSITE OBJECT AND PNEUMATIC TIRE OBTAINED USING THE SAME	SUMITOMO RUBBER INDUSTRIES, LTD.,NIPPON STEEL CORPORATION,SU MITOMO (SEI) STEEL WIRE CORP.	16/01/2009	KOLKATA

10	265126	3784/KOLNP/2007	07/04/2006	07/04/2005	RECORDING MEDIUM, REPRODUCING DEVICE, RECORDING METHOD, AND REPRODUCING METHOD	PANASONIC CORPORATION,	09/05/2008	KOLKATA
11	265135	2852/KOLNP/2008	23/01/2007	24/01/2006	SQUEEZE FOAMER	REXAM AIRSPRAY N. V.	06/02/2009	KOLKATA
12	265137	4178/KOLNP/2007	02/05/2006	04/05/2005	METHOD OF TRANSMITTING CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM AND TRANSMISSION WINDOW UPDATING METHOD USING THE SAME	LG ELECTRONICS INC.	07/03/2008	KOLKATA
13	265138	4866/KOLNP/2008	06/06/2007	14/06/2006	MULTILAYER ANTENNA OF PLANAR CONSTRUCTION	KATHREIN-WERKE KG	20/03/2009	KOLKATA
14	265142	13/KOLNP/2007	06/07/2004	06/07/2004	DIGITAL TRUNKED COMMUNICATION NETWORK SUPPORTING ROAMING	ZTE CORPORATION	29/06/2007	KOLKATA
15	265149	3591/KOLNP/2007	14/03/2006	14/03/2005	A METHOD AND APPARATUS FOR UPDATING A GRAPHICAL DISPLAY IN A DISTRIBUTED PROCESSING ENVIRONMENT USING COMPRESSION	CITRIX SYSTEMS, INC.	31/10/2008	KOLKATA
16	265151	724/KOLNP/2008	23/08/2006	24/08/2005	A NON-AQUEOUS PROCESS FOR PREPARING A PHARMACEUTICAL COMPOSITION COMPRISING A PHARMACEUTICALLY EFFECTIVE AMOUNT OF BAZEDOXIFINE ACETATE	WYETH	21/11/2008	KOLKATA
17	265152	856/KOL/2008	08/05/2008 16:46:06	28/06/2007	VALVE TRAIN WITH OVERLOAD FEATURES	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	24/04/2009	KOLKATA
18	265153	IN/PCT/2001/1298 /KOL	21/06/2000	21/06/1999	A SLIDING COURSE FOR SLIDING DOWN OBJECTS AND PERSONS AND A COVERING ELEMENT THEREFOR	CREEK-SURFING ENTERPRISE INVESTMENT HOLDING LIMITED COMPANY	13/06/2014	KOLKATA

19	265159	317/KOL/2008	21/02/2008	15/03/2007	A VEHICLE AND A METHOD FOR DETERMINING THE REMAINING USEFUL LIFE OF A TRANSMISSION FILTER IN A VEHICLE	GM GLOBAL TECHNOLOGY OPERATIONS ,INC	03/10/2008	KOLKATA
20	265160	1150/KOLNP/2008	01/08/2006	22/08/2005	ASSEMBLY WITH A PLURALITY OF AIR- GAP-INSULATED EXHAUST TUBES AND ONE CONNECTING TUBE AND METHOD FOR MANUFACTURING A CONNECTING END OF AN AIR-GAP- INSULATED EXHAUST TUBE	EMCON TECHNOLOGIES GERMANY (AUGSBURG)GMBH	26/12/2008	KOLKATA
21	265164	1501/KOLNP/2008	13/10/2006	26/12/2005	A CONSTRUCTION MACHINE HAVING A HOUSING COVER FOR ONBOARD EQUIPMENTS	HITACHI CONSTRUCTION MACHINERY CO., LTD.	17/04/2009	KOLKATA
22	265172	951/KOLNP/2008	22/06/2006	08/09/2005	A DRIVESHAFT COMPRISING A FIRST UNIVERSAL JOINT, AN INTERMEDIATE SHAFT AND A SECOND UNIVERSAL JOINT, THE FIRST UNIVERSAL JOINT BEING A CONSTANT VELOCITY UNIVERSAL BALL JOINT IN THE FORM OF A COUNTER TRACK JOINT	GKN DRIVELINE INTERNATIONAL GMBH	19/12/2008	KOLKATA
23	265177	1861/KOLNP/2006	17/03/2005	26/03/2004	ELEVATOR	KONE CORPORATION	11/05/2007	KOLKATA
24	265178	216/KOL/2008	07/02/2008	20/02/2007	MULTI-SPEED TRANSMISSION WITH A COUNTERSHAFT GEARING ARRANGEMENT	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	29/08/2008	KOLKATA
25	265179	314/KOLNP/2007	26/07/2005	23/08/2004	A GUN-DRILL A CUTTING HEAD THEREFOR AND AN ASSEMBLY METHOD THEREOF	ISCAR LTD.	06/07/2007	KOLKATA
26	265191	3704/KOLNP/2009	21/05/2008	29/05/2007	WATER-SOLUBLE IRON-CARBOHYDRATE DERIVATIVE COMPLEXES, THE PREPARATION THEREOF, AND MEDICAMENTS COMPRISING THEM	VIFOR (INTERNATIONAL) AG	19/03/2010	KOLKATA

27	265193	3319/KOLNP/2007	03/03/2006	03/03/2005	OPTICALLY ACTIVE AMMONIUM SALT COMPOUND, PRODUCTION INTERMEDIATE THEREOF AND METHOD FOR PRODUCING SAME	NIPPON SODA CO. LTD.	18/01/2008	KOLKATA
28	265194	1977/KOLNP/2007	02/11/2005	02/11/2004	PYRIDAZINE COMPOUNDS, COMPOSITIONS AND METHODS	NORTHWESTERN UNIVERSITY,UNIVE RSITE DE STRASBOURG,CENT RE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	10/08/2007	KOLKATA
29	265200	1280/KOL/2006	27/11/2006 15:42:18	27/11/2006	H-BRIDGE MULTILEVEL INVERTER USING CAN COMMUNICATION	LS INDUSTRIAL SYSTEMS CO.,LTD.	11/07/2008	KOLKATA

# **CONTINUED TO PART- 3**

### **CONTINUED FROM PART- 2**

# **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. 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.

# THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of AKAL INFORMATION SYSTEMS LIMITED registered under the Designs Act, 2000 has licensed his right to use and exploit the design in the Register of Designs in the name as follows:-

Design No.	Class	Name
229778	09-01	JIVO WELLNESS PRIVATE LIMITED, F-12, UDYOG NAGAR INDUSTRIAL AREA, PEERAGARHI, NEW DELHI-110 041 INDIAN

# CANCELLATION PROCEEDINGS under Section 19 of the Designs Act, 2000

(01)

"The Ld. Asstt. Controller of Patents & Designs passed an order on 11/2/2015 to dismiss the petition filed M/s. Escorts Construction Equipment Ltd. of Plot No.219, Sector 58, Ballabhgarh, Dist. Faridabad, Haryana, India on 22/4/2010 for cancellation of registration of registered Design No. 200005 dated 20<sup>th</sup> June 2005 under Class 12-16 titled as "Bucket of a Backhoe Loader" in the name of JCB India Limited, an Indian company having its registered office at B-1/1-1, 2<sup>nd</sup> Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi, India and works at 23/7, Mathura Road, Ballabgarh, Haryana, India."

(02)

"The Ld. Asstt. Controller of Patents & Designs passed an order on 11/2/2015 to dismiss the petition filed M/s. Escorts Construction Equipment Ltd. of Plot No.219, Sector 58, Ballabhgarh, Dist. Faridabad, Haryana, India on 22/4/2010 for cancellation of registration of registered Design No. 200018 dated 20<sup>th</sup> June 2005 under Class 12-16 titled as "Bucket of a Backhoe Loader" in the name of JCB India Limited, an Indian company having its registered office at B-1/1-1, 2<sup>nd</sup> Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi, India and works at 23/7, Mathura Road, Ballabgarh, Haryana, India."

(03)

"The Ld. Asstt. Controller of Patents & Designs passed an order on 11/2/2015 to dismiss the petition filed M/s. Escorts Construction Equipment Ltd. of Plot No.219, Sector 58, Ballabhgarh, Dist. Faridabad, Haryana, India on 22/4/2010 for cancellation of registration of registered Design No. 200019 dated 20<sup>th</sup> June 2005 under Class 12-16 titled as "Boom of a Backhoe Loader" in the name of JCB India Limited, an Indian company having its registered office at B-1/1-1, 2<sup>nd</sup> Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi, India and works at 23/7, Mathura Road, Ballabgarh, Haryana, India."

(04)

"The Ld. Asstt. Controller of Patents & Designs passed an order on 11/2/2015 to dismiss the petition filed M/s. Escorts Construction Equipment Ltd. of Plot No.219, Sector 58, Ballabhgarh, Dist. Faridabad, Haryana, India on 22/4/2010 for cancellation of registration of registered Design No. 200020 dated 20<sup>th</sup> June 2005 under Class 12-16 titled as "Loader arm of a Backhoe Loader" in the name of JCB India Limited, an Indian company having its registered office at B-1/1-1, 2<sup>nd</sup> Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi, India and works at 23/7, Mathura Road, Ballabgarh, Haryana, India."

# **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	198525	06.02.2015
2.	199218	06.02.2015
3.	199219	06.02.2015
4.	199220	06.02.2015
5.	199221	06.02.2015
6.	199468	06.02.2015
7.	199754	06.02.2015
8.	200360	06.02.2015
9.	200361	06.02.2015
10.	200767	06.02.2015
11.	258892	30.01.2015
12.	258895	30.01.2015
13.	258896	30.01.2015
14.	258897	30.01.2015
15.	258898	06.02.2015

### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

DESIGN NUMBER			25879	8	
CLASS		19-06		5	
1)SENATOR GMBH & CO. KO THE LAWS OF GERMANY, OF BAHNHOFSTRASSE 57, 6	,				
DATE OF REGISTRATION			17/12/20	013	
TITLE		WRI	TING INST	TRUMENT	
PRIORITY	•				66
PRIORITY NUMBER	DATE		COUNTRY	Y	
2260067-00025	21/06/20	)13	EUROPEA	N UNION	
DESIGN NUMBER			25	9462	
CLASS			1:	5-09	
HAVING PLACE OF BUSINES WOLLONGONG NSW 2500, AUS				· 	
DATE OF REGISTRATION		17/01/2014			_
TITLE		MILLING TOOTH		G TOOTH	_
PRIORITY				Г	
PRIORITY NUMBER		DATE COUNTRY			
13471/2013	2	22/07/2013	3	AUSTRALIA	a 200 (201. 5) *4
DESIGN NUMBER			26	1376	
CLASS		11-05		1-05	4.00
1)MA DESIGN INDIA PRIVAT INDIA HAVING ITS PRINCIPA A-41, SECTOR-80, PHASE-II,	L PLAC	E OF BU	SINESS A		
DATE OF REGISTRATION		31/03/2014		3/2014	
TITLE		DE	ECORATIV	'E ORNAMENT	
PRIORITY NA					

DESIGN NUMBER	263126	
CLASS	31-00	

# 1)RAJESHBHAI DEVDANBHAI BORICHA, INDIAN NATIONAL, HAVING ITS PLACE OF BUSINESS AT

11, SORATHIAWADI, OPP. AJIT TRADERS, RAJKOT-360 002 (GUJARAT) (INDIA), AN INDIAN COMPANY

DATE OF REGISTRATION	04/06/2014	
TITLE	DOMESTIC FLOUR MILL	



### PRIORITY NA

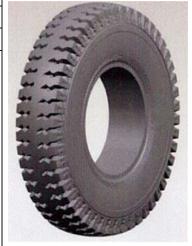
DESIGN NUMBER	263808	
CLASS	12-15	

### 1)M/S. JK TYRE & INDUSTRIES LIMITED, OF

DISTRICT UNA-732141, HIMACHAL PRADESH

7, COUNCIL HOUSE STREET, KOLKATA-700001, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	01/07/2014
TITLE	TYRE



### PRIORITY NA

DESIGN NUMBER	264170	
CLASS	07-01	

1)MR. SACHIN SACHDEV, MRS. MANASI SACHDEV AND MR. RAVI CHAWLA ALL PARTNERS OF M/S NAYASA MULTIPLAST A PARTNERSHIP CONCERN REGISTERED UNDER THE PARTNERSHIP ACT, 1932 HAVING ADDRESS AT PLOT NOS. 225, 225, 227 AND 228, VILLAGE VELA BATHRI, TAHASIL HAROLI,

DATE OF REGISTRATION	21/07/2014	
TITLE	FLASK	



### PRIORITY NA

DESIGN NUMBER		261812	
CLASS		06-03	<u></u>
1)THE WINSFORD CORPORATE 1933 EAST LOCUST STREET, OF AMERICA, NATIONALITY: U.			
DATE OF REGISTRATION	1	16/04/2014	H   H
TITLE	TA	ABLE BASE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/470,003	16/10/2013	U.S.A.	0 .
DESIGN NUMBER		261879	
CLASS		12-16	
UNDER THE INDIAN COMPANI D1 BLOCK, PLOT NO. 18/2 (PA MAHARASHTRA, INDIA DATE OF REGISTRATION			
TITLE	STARTER SWIT	TCH OF TWO WHEELER	
PRIORITY NA	•		
DESIGN NUMBER		263651	
CLASS	12-15		
1)M/S. JK TYRE & INDUSTRIE 7, COUNCIL HOUSE STREET,		DIA, AN INDIAN COMPAN	Y
DATE OF REGISTRATION	2	24/06/2014	
TITLE	TYRE		
PRIORITY NA			

DESIGN NUMBER		257638	
CLASS	09-03		
1)(1). DHAVAL H. PATEL, (2). B. VARMORA AND (4). KALPESH A DIRECTORS OF VARMORA PLA INCORPORATED UNDER THE C PRINCIPLE PLACE OF BUSINES. PO. VASNA CHACHARVADI, N CHANGODAR-AHMEDABAD HIGH 382213. GUJARAT-INDIA	. PATEL., ALL INDÍA STECH PVT. LTD., A OMPANIES ACT, 195 S AT, PLOT NO. 3, SU R. DIVYA BHASKAR	N NATIONAL COMPANY 6., HAVING ITS RVEY/BLOCK NO. 86, PRESS, BAVLA-	
DATE OF REGISTRATION	2	2/10/2013	
TITLE	CC	ONTAINER	<b>2000年3月1日</b> 1000年100日
PRIORITY NA	•		
DESIGN NUMBER		263127	
CLASS		15-99	
1)OUTOTEC (FINLAND) OY, PUOLIKKOTIE 10, 02230 ESPO	O, FINLAND, NATION	ALITY: FINLAND	2 2 2
DATE OF REGISTRATION	0	4/06/2014	
TITLE	IMPELL	ER OF A MIXER	
PRIORITY PRIORITY NUMBER 001393052-0001	DATE 04/12/2013	COUNTRY	
DESIGN NUMBER		263809	
CLASS	12-15		
1)M/S. JK TYRE & INDUSTRIES 7, COUNCIL HOUSE STREET, K COMPANY	S LIMITED, OF COLKATA-700001, INC	DIA, AN INDIAN	
DATE OF REGISTRATION	01	1/07/2014	
TITLE		TYRE	
PRIORITY NA			

DESIGN NUMBER		261813	
CLASS		06-03	(B R)
1)THE WINSFORD CORPORA 1933 EAST LOCUST STREET, OF AMERICA, NATIONALITY: U	ONTARIO, CALIFORNIA	A 91761, UNITED STATES	
DATE OF REGISTRATION	16	5/04/2014	## WW
TITLE	TAI	BLE BASE	1/1/2
PRIORITY	-		
PRIORITY NUMBER	DATE	COUNTRY	
29/470,003	16/10/2013	U.S.A.	W . W
DESIGN NUMBER		261880	
CLASS		26-06	11.00
MAHARASHTRA, INDIA.  DATE OF REGISTRATION  TITLE	RIGHT HAND SIDE	1/04/2014 E WINKER LAMP OF TWO HEELER	
PRIORITY NA			
DESIGN NUMBER	ESIGN NUMBER 263654		
CLASS		12-15	
1)M/S. JK TYRE & INDUSTRIE 7, COUNCIL HOUSE STREET,		IA, AN INDIAN COMPANY	
DATE OF REGISTRATION	24		
TITLE	TYRE		2-2
PRIORITY NA			

DESIGN NUMBER	261882	
CLASS	12-16	

1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY
INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT
D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD,
PUNE-411019, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	21/04/2014
TITLE	WINKER SWITCH OF TWO WHEELER

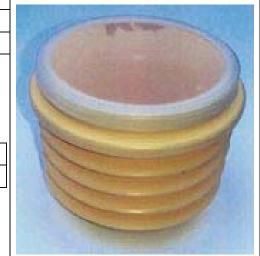


### PRIORITY NA

DESIGN NUMBER	261950
CLASS	09-03

1)TEAM GRASSHOPPER LTD. A BRITISH COMPANY OF THE ADDRESS: 15A FRIARS GATE, ONSLOW VILLAGE, GUILDFORD, SURREY, GU2 7PQ

DATE OF REGISTRATION	23/04/2014
TITLE	COMPRESSIBLE CONTAINER



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002331397-0001	23/10/2013	EUROPEAN UNION

DESIGN NUMBER 263223	
CLASS 26-03	
1)GOPAL SARAN DARBARI, AN INDIAN NATIONAL, OF THE ADDRESS 187 NILGIRI APARTMENTS, ALAKNANDA, NEW DELHI- 110019, INDIA	
DATE OF REGISTRATION	10/06/2014
TITLE	SOLAR LIGHT





DESIGN NUMBER	262131
CLASS	25-02
AND A CONTENT CORPORATION	

### 1)MASONITE CORPORATION,

ONE TAMPA CITY CENTER, 201 N. FRANKLIN STREET, SUITE 300 TAMPA, FLORIDA 33602, CORPORATION OF DELAWARE

	DATE OF REGISTRATION	29/04/2014
TITLE DOOR FACING	TITLE	DOOR FACING

### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
29/471,385	31/10/2013	U.S.A.

DESIGN NUMBER	263039
CLASS	07-01

# 1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

A-41, SECTOR-80, PHASE-II, NOIDA-201305, U.P. INDIA.

DATE OF REGISTRATION		02/06/2014
	TITLE	ICE BUCKET



### PRIORITY NA

DESIGN NUMBER	260229
CLASS	03-01
1)ROYALTY BUGABOO GMBH OF	
SCHMIDGASSE 3, CH-6300 ZUG, SWITZERLAND	

DATE OF REGISTRATION	07/02/2014
TITLE	SUITCASE

### PRIORITY NA



DESIGN NUMBER	261736		
CLASS	24-01		
1)DEPUY SYNTHES PRODUCTS, DELAWARE, OF 325 PARAMOUNT DRIVE, RA			
DATE OF REGISTRATION	15/04/2014		
TITLE	TIBIAL TRIAL APPARATUS FOR USE IN KNEE REPLACEMENT SURGERY		000
PRIORITY			9
PRIORITY NUMBER	DATE	COUNTRY	
29/469,951	16/10/2013	U.S.A.	
DESIGN NUMBER	261825		
CLASS	02-02		
3, THAKUR COMPOUND, 1ST FLOOR, NEXT TO ABB, USV LTD., LANE, OFF. B.S. DEVSHI MARG, GOVANDI(EAST), MUMBAI-400088, MAHARASHTRA, INDIA			
DATE OF REGISTRATION TITLE	17/04/2014 GARMENT (SET)		
PRIORITY NA			1
DESIGN NUMBER	261884		
CLASS	26-06		
1)MAHINDRA 2 WHEELERS LIM UNDER THE INDIAN COMPANIES D1 BLOCK, PLOT NO. 18/2 (PART MAHARASHTRA, INDIA.	ACT, AT		
DATE OF REGISTRATION	21/04/2014		
TITLE	TAIL LAMP OF TWO WHEELER		
PRIORITY NA			

DESIGN NUMBER	263652		
CLASS	LASS 12-15		
1)M/S. JK TYRE & INDUSTRIES LIMITED, OF 7, COUNCIL HOUSE STREET, KOLKATA-700001, INDIA, AN INDIAN COMPANY			
DATE OF REGISTRATION 24/06/2014			
TITLE	TYRE		



DESIGN NUMBER	257674	
CLASS	09-01	

#### 1)BEAUTY UNION GLOBAL LIMITED OF

UNIT B, 19/F, FEDERAL CENTER, 77 SHEUNG ON STREET, CHAI WAN, HONG KONG, NATIONALITY: HONG KONG

DATE OF REGISTRATION	22/10/2013	
TITLE	CARTRIDGE FOR A COSMETIC REFILL BOTTLES	



PRIORITY NUMBER	DATE	COUNTRY

DESIGN NUMBER	261381	
CLASS	03-01	
1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA HAVING ITS PRINCIPAL PLACE OF BUSINESS AT A-41, SECTOR-80, PHASE-II, NOIDA-201305, U.P. INDIA		
DATE OF REGISTRATION	31/03/2014	
TITLE	DECORATIVE PLATE	
PRIORITY NA		



DESIGN NUMBER	262566		
CLASS	11-02		
1)M/S. MARCO POLO S.R.L.; AN ITALIEN CORPORATION OF THE ADDRESS:			
VIA C., MARX, 8, 06011 CITTA DI CASTELLO (PG), ITALY			

DATE OF REGISTRATION	13/05/2014	
TITLE	TABLE CENTERPIECE	

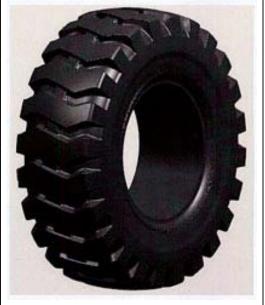


DESIGN NUMBER	263815	
CLASS	12-15	

#### 1)M/S. JK TYRE & INDUSTRIES LIMITED, OF

7, COUNCIL HOUSE STREET, KOLKATA-700001, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	01/07/2014	
TITLE	TYRE	



#### PRIORITY NA

DESIGN NUMBER	261817	
CLASS 15-03		

1)(1) RISHABH GUPTA, OF BOMBAY COTTON TEXTILE, OPP. ST. THERESA SCHOOL ALAMGANJ, BURHANPUR-450331. (M.P.), INDIA, AN INDIAN CITIZEN, (2) HARNAV PREET SINGH GILL, OF A-308, RANJIT AVENUE-OPPOSITE HARTEJ HOSPITAL, AMRITSAR-143001 (PUNJAB), INDIA, AN INDIAN CITIZEN, (3) AVINASH KUMAR, OF 12-A SHIVALIK APARTMENT, NEW PATLIPUTRA COLONY, PATNA-800013 (BIHAR), INDIA, AN INDIAN CITIZEN, (4) RAJU GUPTA, OF SHANKAR LAL GUPTA,

VILLAGE-MALKHANPUR, POST-KOTWA, ALLAHABAD-221505 (UTTAR PRADESH), INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	16/04/2014	
TITLE	WHEAT HARVESTER	
PRIORITY NA		



DESIGN NUMBER	261881	
CLASS	26-06	
UNDER THE INDIAN COMPANIES	TITED, A COMPANY INCORPORATED S ACT, AT T), MIDC, CHINCHWAD, PUNE-411019,	
DATE OF REGISTRATION	21/04/2014	
TITLE	LEFT HAND SIDE WINKER LAMP OF TWO WHEELER	
PRIORITY NA		
DESIGN NUMBER	261947	
CLASS	04-02	
1)VITTORIO VELHO, HSE #102, GEN. BENARD GUED GOA-403001, INDIA, NATIONALITY		
DATE OF REGISTRATION	23/04/2014	
TITLE	SHAVING FOAM APPLICATOR	
PRIORITY NA		
DESIGN NUMBER	263617	
CLASS	24-01	
1)MR. SACHIN G. LOKAPURE (I RESEARCH EQUIPMENT HAVING 5099, NEAR ASHA TALKIES, OP MIRAJ-416410, DIST-SANGLI, MAH		
DATE OF REGISTRATION	24/06/2014	
TITLE	DEVICE FOR MEASURING BACTERIAL ZONE OF INHIBITION	
PRIORITY NA		3

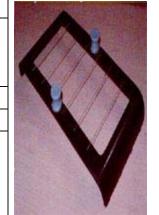
DESIGN NUMBER	262419	
ASS 12-16		
1)DEERE & COMPANY, A US O ONE JOHN DEERE PLACE, MO	CORPORATION OF DLINE, ILLINOIS, 61265-8098 USA	9
DATE OF REGISTRATION	07/05/2014	200
INSTRUMENT CONSOLE UNIT FOR A WORK VEHICLE		
PRIORITY NA		Yeard Provide Name
DESIGN NUMBER	261698	
CLASS	09-07	
MERCHANTS, WHOSE ADDRESS	KM, INDIAN, MANUFACTURERS AND SS IS KIRTI NAGAR, NEW DELHI-110015, INDIA 11/04/2014	
TITLE	BOTTLE CAP	
PRIORITY NA		
DESIGN NUMBER	261826	
CLASS	02-02	N. St
REGISTERED UNDER THE IND AT 3, THAKUR COMPOUND, 1ST	, (AN INDIAN PRIVATE LIMITED COMPANY IAN COMPANIES ACT, 1956), HAVING OFFICE FLOOR, NEXT TO ABB, USV LTD., LANE, OFF. AST), MUMBAI-400088, MAHARASHTRA, INDIA	
DATE OF REGISTRATION	17/04/2014	
TITLE	GARMENT (SET)	All the land
PRIORITY NA	,	

DESIGN NUMBER		261885		
CLASS		06-06		
1)CASA BRANDS INDIA PVT. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF INDIA, OF C-37A, LOWER GROUND FLOOR, KALKAJI, NEW DELHI-110019, INDIA				
DATE OF REGISTRATION		21	/04/2014	
TITLE			GING FOR FURNITUR OINTS	E
PRIORITY NA	·			
DESIGN NUMBER			262130	
CLASS			25-02	
1)MASONITE CORPORATION, ONE TAMPA CITY CENTER, 201 N. FRANKLIN STREET, SUITE 300 TAMPA, FLORIDA 33602, CORPORATION OF DELAWARE				
DATE OF REGISTRATION		29/04/2014		
TITLE		DOOR FACING		
PRIORITY	•			
PRIORITY NUMBER		DATE COUNTRY		
29/471,192		29/10/2013 U.S.A.		
DESIGN NUMBER		259596		-
CLASS		06-04		1.40
1)PAUL HETTICH GMBH & CO. KG, OF VAHRENKAMPSTRASTRASSE 12-16, 32278 KIRCHLENGERN, GERMANY				
DATE OF REGISTRATION		23/01/2014		
TITLE		FURNITURE RACK		
PRIORITY				
PRIORITY NUMBER	D	DATE COUNTRY		
002282160-0009	20	26/07/2013 OHIM		

DESIGN NUMBER	263613
CLASS	24-01

1)MR. SACHIN G. LOKAPURE(INDIA). A THE PROPRIETOR OF SAGLO® RESEARCH EQUIPMENT HAVING ITS PRINCIPAL PLACE OF BUSINESS 5099, NEAR ASHA TALKIES, OPP. OMKAR APARTMENT, SHANIWAR PETH, MIRAJ-416410, DIST-SANGLI, MAHARASHTRA, INDIA

DATE OF REGISTRATION		24/06/2014	
TITLE		TRAY FOR WASHING A SAMPLE HOLDER	



#### PRIORITY NA

DESIGN NUMBER	263659
CLASS	06-01

1)WIM PLAST LIMITED, A PUBLIC LIMITED COMPANY REGISTERED UNDER THE PROVISION OF INDIAN COMPANIES ACT, 1956, HAVING OFFICE ADDRESS AT

5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	25/06/2014	
TITLE	CHAIR	



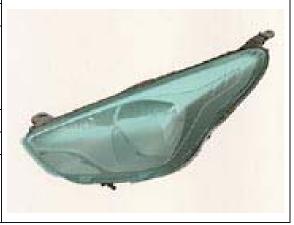
#### PRIORITY NA

CLASS 26-06	DESIGN NUMBER	262340
20 00	CLASS	26-06

1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT

330 TOWN CENTER DRIVE, SUITE 800, DEARBORN MICHIGAN-48126, UNITED STATES OF AMERICA

DATE OF REGISTRATION		05/05/2014	
TITLE		VEHICLE HEADLIGHT	
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
3020130056694		06/11/2013	BRAZIL



DESIGN NUMBER 262832		
CLASS 15-05		
1)PANASONIC CORPORATION, A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN. OF		

1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501, JAPAN

DATE OF REGISTRATION	23/05/2014
TITLE	PULSATOR FOR WASHING MACHINES

**PRIORITY** 

PRIORITY NUMBER	DATE	COUNTRY
2014-005866	20/03/2014	JAPAN

DESIGN NUMBER	261883
CLASS	12-16



D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	21/04/2014		
TITLE	CAPACITY DISCHARGE IGNITION OF TWO WHEELER		



#### PRIORITY NA

DESIGN NUMBER	260570
CLASS	24-01

#### 1)SATHISH MAHAJAN, RESIDING AT THE

603B, ST. JOHNS WOOD APARTMENTS, 80 ST. JOHNS CROSS ROAD, BANGALORE 560029, KARNATAKA, INDIA

DATE OF REGISTRATION	21/02/2014
TITLE	STETHOSCOPE STERILIZER



DESIGN NUMBER	263566	
CLASS	13-03	
1)SU-KAM POWER SYSTEMS LTD. OF		
PLOT NO. WZ-1401/2, NANGAL RAYA, NEW DELHI-		
110046, INDIA, AN INDIAN COMPANY		

, , , ,	
DATE OF REGISTRATION	20/06/2014
	SOLAR PHOTOVOLTAIC

REGISTRATION	20/06/2014
TITLE	SOLAR PHOTOVOLTAIC BATTERY CHARGER



DESIGN NUMBER	263618
CLASS	24-01
	0

1)MR. SACHIN G. LOKAPURE (INDIA). A THE PROPRIETOR OF SAGLO® RESEARCH EQUIPMENT HAVING ITS PRINCIPAL PLACE OF BUSINESS 5099, NEAR ASHA TALKIES, OPP. OMKAR APARTMENT, SHANIWAR PETH, MIRAJ-416410, DIST-SANGLI, MAHARASHTRA, INDIA

DATE OF REGISTRATION	24/06/2014	
TITLE	DIGITAL ADAPTOR FOR MICRO-IMAGING	



DESIGN NUMBER	263740		
CLASS	19-06		
1)KOKUYO CAMLIN LIMITED, A COMPANY INCORPORATED IN INDIA OF HILTON HOUSE, 48/2, CENTRAL ROAD, MIDC, OPP. TUNGA PARADISE HOTEL ANDHERI (EAST), MUMBAI-400093 [MAHARASHTRA], INDIA			
DATE OF REGISTRATION	27/06/2014		
TITLE	MARKER PEN		
PRIORITY NA			



DESIGN NUMBER		262343	
CLASS		12-16	
1)FORD GLOBAL TECHNOLO EXISTING UNDER THE LAWS O 330 TOWN CENTER DRIVE, SU STATES OF AMERICA	OF UNITED STATES, H	AVING ITS OFFICE AT	
DATE OF REGISTRATION	05	5/05/2014	
TITLE	VEHIC	CLE MIRROR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
3020130056805	06/11/2013	BRAZIL	
DESIGN NUMBER		262420	
CLASS		12-16	
1)DEERE & COMPANY, A US ( ONE JOHN DEERE PLACE, MO		-8098 USA	
DATE OF REGISTRATION	07	7/05/2014	337
TITLE	INSTRUMENT CONSOLE UNIT FOR A WORK VEHICLE		
PRIORITY NA			
DESIGN NUMBER		263085	
CLASS		31-00	
1)BAJAJ ELECTRICALS LIMIT HAVING ITS REGISTERED OFF 45/47, VEER NARIMAN ROAD INDIA, OF ABOVE ADDRESS	TCE AT,	,	EAST PART
DATE OF REGISTRATION	03/06/2014		
TITLE	BASE OF N	MIXER GRINDER	
PRIORITY NA			

DESIGN NUMBER	263149
CLASS	24.02

#### 1)DAICEL CORPORATION, OF

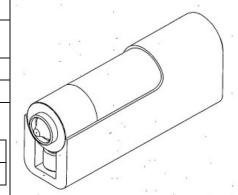
4-5, UMEDA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA 530-0001, JAPAN

DATE OF REGISTRATION	06/06/2014
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TITLE	NEEDLELESS SYRINGE
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#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2013-029192	12/12/2013	JAPAN



DESIGN NUMBER	262576
CLASS	06-04

#### 1)M/S. NATASHA ENGINEERS PVT. LTD.,

PLOT NO. 8, SECTOR-24, FARIDABAD, HARYANA

DATE OF REGISTRATION	13/05/2014	
TITLE	ALMIRAH	



#### PRIORITY NA

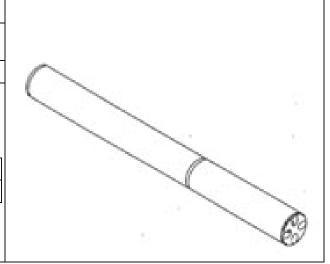
DESIGN NUMBER	261701	
CLASS	27-99	

# 1)ALTRIA CLIENT SERVICES INC., A CORPORATION EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA.,

OF 6601 WEST BROAD STREET, RICHMOND, VIRGINIA 23230, USA

DATE OF REGISTRATION	11/04/2014	
TITLE	ELECTRONIC SMOKING ARTICLE	

PRIORITY NUMBER	DATE	COUNTRY
29/469,750	14/10/2013	U.S.A.



DESIGN NUMBER	261827		
CLASS	02-02		食金
1)X & O CLOTHING PVT. LTD., (AN INDIAN PRIVATE LIMITED COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956), HAVING OFFICE AT  3, THAKUR COMPOUND, 1ST FLOOR, NEXT TO ABB, USV LTD., LANE, OFF. B.S. DEVSHI MARG, GOVANDI(EAST), MUMBAI-400088, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	17	7/04/2014	4464
TITLE	GARI	MENT (SET)	
PRIORITY NA			
DESIGN NUMBER		264249	
CLASS		24-02	
1)OMRON HEALTHCARE CO., LTD., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF 53, KUNOTSUBO, TERADO-CHO, MUKO-SHI, KYOTO 617-0002, JAPAN			
DATE OF REGISTRATION	25/07/2014		
TITLE	SPHYGMOMANOMETER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2014-001838	30/01/2014	JAPAN	
DESIGN NUMBER	258549		
CLASS	12-05		-
1)ARJO HOSPITAL EQUIPMENT AB, HAVING THEIR ADDRESS AT VERKSTADSVÄGEN 5, ESLÖV, 241 38, SWEDEN, A HOSPITAL INCORPORATED UNDER THE SWEDISH LAWS			
DATE OF REGISTRATION	03/12/2013		
TITLE	LIFTING DEVICES		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
002249276-0001	04/06/2013	OHIM	
·			1

DESIGN NUMBER	263567
CLASS	13-03

#### 1)SU-KAM POWER SYSTEMS LTD. OF

PLOT NO. WZ-1401/2, NANGAL RAYA, NEW DELHI-110 046, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	20/06/2014	
TITLE	SOLAR PHOTOVOTAIC BATTERY CHARGE CONTROLLER	



#### PRIORITY NA

DESIGN NUMBER	263744
CLASS	12-11
1)VAMAHA HATSUDOKI KARUSHIKI KAISHA	

2500, SHINGAI, IWATA-SHI, SHIZUOKA-KEN 438-8501, JAPAN, A JAPANESE CORPORATION

DATE OF REGISTRATION	27/06/2014	
TITLE	MOTORCYCLE	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
2013-030672	27/12/2013	JAPAN

	The same of the sa		5	L
		1	VA.	9
A				T
		TI		

DESIGN NUMBER	262344	
CLASS	12-16	

#### 1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT SUITE 800, 330 TOWN CENTER DRIVE, DEARBORN MICHIGAN 48126, UNITED

STATES OF AMERICA

DATE OF REGISTRATION 05/05/2014		5/05/2014	
TITLE	VEHICLE REAR UPPER BUMPER COVER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
3020130056767	06/11/2013	BRAZIL	



DESIGN NUMBER	2	56393	
CLASS	:	22-06	2
1)RORY ALLEN CAYLOR, 52 HOOPER CRESCENT, TEWAN	QQQQQqqqqqqq		
DATE OF REGISTRATION	13/	09/2013	
TITLE	CONTROL DE	VICE FOR INSECTS	
PRIORITY NA			
DESIGN NUMBER	2	63086	
CLASS		31-00	
1)BAJAJ ELECTRICALS LIMITE HAVING ITS REGISTERED OFFIC 45/47, VEER NARIMAN ROAD, N INDIA, OF ABOVE ADDRESS	CE AT,	,	_
DATE OF REGISTRATION	03/	06/2014	
TITLE	BASE OF MIXER GRINDER		600
PRIORITY NA			The Same
DESIGN NUMBER	2	62667	
CLASS		12-11	
1)HONDA MOTOR CO., LTD., A 1-1, MINAMI-AOYAMA 2-CHOM			
DATE OF REGISTRATION	16/05/2014		
	MOTORCYCLE		
TITLE	MOTO	JKC I CLE	
PRIORITY	MOTO	OKC TCLE	
	DATE	COUNTRY	

DESIGN NUMBER	261420	
CLASS	19-07	

1)NISSIN DENTAL PRODUCTS INC., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, HAVING ITS OFFICE AT

8, KARAHASHIHIRAGAKI-CHO, MINAMI-KU, KYOTO-SHI, KYOTO 601-8469 JAPAN

DATE OF REGISTRATION	01/04/2014	
TITLE	GNATHOSTATIC MODEL FOR TEACHING TEETH(SET)	



#### PRIORITY NA

DESIGN NUMBER	264029	
CLASS	06-11	

1)MR. SEBASTIANKURIAN, AN INDIAN NATIONAL, HAVING ADDRESS AT

NJAVALLIL PUTHENPURAYIL, MIE, T.V. PURAM, (P.O.), VAIKOM, PIN: 686606, KOTTAYAM DISTRICT, KERALA, INDIA

DATE OF REGISTRATION	15/07/2014	
TITLE	MAT	



#### PRIORITY NA

DESIGN NUMBER	261829	
CLASS	02-02	

1)X & O CLOTHING PVT. LTD., (AN INDIAN PRIVATE LIMITED COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956), HAVING OFFICE AT

3, THAKUR COMPOUND, 1ST FLOOR, NEXT TO ABB, USV LTD., LANE, OFF. B.S. DEVSHI MARG, GOVANDI(EAST), MUMBAI-400088, MAHARASHTRA, INDIA

DATE OF REGISTRATION	17/04/2014	
TITLE	GARMENT (SET)	



DESIGN NUMBER		250637			
CLASS		12-08			
1)MAN TRUCK & BUS AG, A GEI DACHAUER STR. 667, 80995 MU		F	A MA		
DATE OF REGISTRATION	03	3/01/2013			
TITLE	DRIVERS CAB C	OF A UTILITY VEHICLE			
PRIORITY					
PRIORITY NUMBER	DATE	COUNTRY			
001335236	04/07/2012	OHIM			
DESIGN NUMBER	SIGN NUMBER 263403				
CLASS		06-11			
3, GANESH COLONY, BEHIND C 302002, RAJASTHAN, INDIA DATE OF REGISTRATION	10	6/06/2014			
TITLE	CARPET				
PRIORITY NA			Address to the constitution of		
DESIGN NUMBER	260375				
CLASS		06-01			
1)R. P. AUTOSTYLES A PROPRIE F-20, 21, 63 & 64 UPSIDC, SELAC (INDIA)					
DATE OF REGISTRATION	17	7/02/2014	J		
TITLE	SEAT COVI	ER FOR VEHICLES			
PRIORITY NA					

DESIGN NUMBER		262348	
CLASS		26-06	
1)FORD GLOBAL TECHNOLOG EXISTING UNDER THE LAWS OF SUITE 800, 330 TOWN CENTER I STATES OF AMERICA	UNITED STATES, H	AVING ITS OFFICE AT	
DATE OF REGISTRATION	0:	5/05/2014	
TITLE	VEHIC	LE TAILLIGHT	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
3020130056759	06/11/2013	BRAZIL	
DESIGN NUMBER		260910	
CLASS		15-09	
1)VILAS CHHIKARA, AN INDIA V.P.O. LADRAWAN, DISTRICT- 124507, HARYANA, INDIA			
DATE OF REGISTRATION	11/03/2014		
TITLE	BRICK MAKING MACHINE		
PRIORITY NA			
DESIGN NUMBER		262457	
CLASS		09-01	
1)SWAL CORPORATION LIMIT 167, READY MONEY TERRACE, 400018, STATE OF MAHARASHTRA	DR. ANNIE BESANT		
DATE OF REGISTRATION	0′	7/05/2014	PATELA
TITLE	I	BOTTLE	
PRIORITY NA			- F. (1990)

DESIGN NUMBER		261712	
CLASS		06-01	
1)FORMWAY FURNITURE LIN 43B SEAVIEW ROAD, LOWER NEW ZEALAND COMPANY		TON 5010, NEW ZEALAND	D, A
DATE OF REGISTRATION		11/04/2014	
TITLE		CHAIR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	-1-
418157	17/10/2013	NEW ZEALAND	
DESIGN NUMBER		261864	
CLASS		23-04	
1)BALMUDA INC., 2-1-39, HANAKOGANEIMINA! NATIONALITY-JAPAN DATE OF REGISTRATION	MI-CHO, KODAIRA	A-SHI, TOKYO 187-0003, JA 21/04/2014	APAN,
TITLE		FAN	
PRIORITY		TAIN	
PRIORITY NUMBER DATE		COUNTRY	U
2014-007708	08/04/2014	JAPAN	
DESIGN NUMBER		261906	
CLASS		22-05	
1)SAGAR AQUACULTURE PRI INCORPORATED IN INDIA HAV GONDAL ROAD HIGHWAY, O AREA, 1ST FLOOR OF SAGAR EN GUJARAT, INDIA	' <b>ING ITS PRINCII</b> PP. PARIN FURNI'	P <mark>AL PLACE OF BUSINESS</mark> TURE, KOTHARIYA SOLV	
DATE OF REGISTRATION		22/04/2014	
TITLE		AERATOR PIPE	
PRIORITY NA			

250639		
12-08		
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR. 667, 80995 MUNICH, GERMANY		
DATE OF REGISTRATION 03/01/2013		
DRIVERS CAB OF A UTILITY VEHICLE		



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
001335236	04/07/2012	OHIM

DESIGN NUMBER	260596	
CLASS	09-01	

#### 1)MARICO LIMITED, AN INDIAN COMPANY,

OF GRANDE PALLADIUM, 7TH FLOOR, KALINA, SANTACRUZ (E), MUMBAI 400098 (INDIA)

DATE OF REGISTRATION	25/02/2014	
TITLE	BOTTLE	



#### PRIORITY NA

DESIGN NUMBER	262726	
CLASS	06-03	

#### 1)ROOPAK RAJ SHIVANNA,

NO. 4TH MAIN, GURURAJ LAYOUT, BEHIND VIDYA PEETA, BANGALORE-560028, KARNATAKA. NATIONALITY: INDIAN

DATE OF REGISTRATION	20/05/2014	
TITLE	A SET OF TABLE AND STOOLS	



1)TIRTH AGRO TECHNOLOGY PY UNDER THE INDIAN COMPANIES A SHAKTIMAN, SURVEY NO. 108/1, HIGHWAY NO 27, NEAR BHARUDI T 360311, GUJARAT, INDIA  DATE OF REGISTRATION  TITLE  PRIORITY NA	ACT, HAVING PLOT NO B, OLL PLAZA,	G ITS REGISTERED OFFICE AT AT: BHUNAVA, NATIONAL	
UNDER THE INDIAN COMPANIES AS SHAKTIMAN, SURVEY NO. 108/1, HIGHWAY NO 27, NEAR BHARUDI T 360311, GUJARAT, INDIA  DATE OF REGISTRATION  TITLE	ACT, HAVING PLOT NO B, OLL PLAZA,	G ITS REGISTERED OFFICE AT AT: BHUNAVA, NATIONAL TAL: GONDAL, DIST: RAJKOT	
TITLE	SPRAYE	22/05/2014	A STATE OF THE STA
	SPRAYE		
PRIORITY NA		ER FOR AGRICULTURE USE	
			0
DESIGN NUMBER		261433	
CLASS		13-03	63
1)WÖHNER GMBH & CO. KG ELE COMPANY EXISTING UNDER THE MÖNCHRÖDENER STR. 10, 86472	LAWS OF G	ERMANY,	
DATE OF REGISTRATION	01/04/2014		
TITLE	PROTECTION SYSTEMS AGAINST ACCIDENTAL CONTACT FOR ELECTRIC BUSBARS		
PRIORITY			
PRIORITY NUMBER DA	TE	COUNTRY	
002410860-0001 24/	02/2014	EUROPEAN UNION	
DESIGN NUMBER		261866	
CLASS	12-16		
1)MAHINDRA 2 WHEELERS LIMI UNDER THE INDIAN COMPANIES A D1 BLOCK, PLOT NO. 18/2 (PART) MAHARASHTRA, INDIA	ACT, AT		
DATE OF REGISTRATION		21/04/2014	
TITLE	FRONT PANEL OF TWO WHEELER		

DESIGN NUMBER		261915	
CLASS	14-03		
1)AMAZON TECHNOLOGIES, IN UNDER THE LAWS OF UNITED ST P.O. BOX 8102, RENO, NEVADA	ATES, HAVING ITS	OFFICE AT	G S S S S
DATE OF REGISTRATION	2	2/04/2014	
TITLE	REMOTE CON	NTROL FOR GAMING	
PRIORITY			VII.
PRIORITY NUMBER	DATE	COUNTRY	
29/471,711	04/11/2013	U.S.A.	
DESIGN NUMBER		262053	
CLASS		07-04	
INDIAN NATIONALS, PARTNERS OF NATIONAL INDUSTRIES, AN INDIAN PARTNERSHIP FIRM, ADDRESS AT PLOT NO A-2/7 AJI GIDC, RAJKOT 360003, GUJARAT, INDIA  DATE OF REGISTRATION 25/04/2014			
TITLE	HAN	D BLENDER	
PRIORITY NA			
DESIGN NUMBER	260642		
CLASS	12-13		
1)M. S. RAMAIAH SCHOOL OF A #470-P, PEENYA INDUSTRIAL A KARNATAKA-560 058, INDIA			
DATE OF REGISTRATION	27/02/2014		
TITLE	MOBILE RATION SHOP		
PRIORITY NA			10

DESIGN NUMBER	259675	
CLASS	12-11	2
UNDER THE COMPANIES ACT, 1	TTED, AN INDIAN COMPANY INCORPORATED 956, HAVING ITS REGISTERED OFFICE AT 29 (OLD NO. 8) HADDOWS ROAD, CHENNAI	
DATE OF REGISTRATION	27/01/2014	
TITLE	MOTORCYCLE	A STATE OF THE STA
PRIORITY NA		
DESIGN NUMBER	263510	
CLASS	13-03	
(AN INDIAN COMPANY DULY 1956)  DATE OF REGISTRATION	REGISTERED UNDER THE COMPANIES ACT, 19/06/2014	
TITLE	STABILIZER	
PRIORITY NA		
DESIGN NUMBER	263640	
CLASS	23-02	
KUNDLI, DISTTSONEPAT, HAR	87, HSIDC INDUSTRIAL ESTATE, PHASE-1, YANA, INDIA. REGISTERED UNDER THE COMPANIES ACT,	1257
DATE OF REGISTRATION	24/06/2014	AI
TITLE	SINK WASTE COUPLING	
PRIORITY NA	•	

DESIGN NUMBER	262304
CLASS	12-13

1)TIRTH HYGIENE TECHNOLOGY PVT LTD, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS REGISTERED OFFICE AT C/O UTSAV FOOD PRODUCTS, SR. NO 141,

NEAR PIJ CROSSING, BEHIND SHARPIN, PIJ ROAD, AT: TUNDEL, TAL: NADIAD, DIST: KHEDA 387230, GUJARAT, INDIA

DATE OF REGISTRATION	02/05/2014
TITLE	AUTOMOTIVE INDUSTRIAL SWEEPER
PRIORITY NA	



DESIGN NUMBER	261298
CLASS	07-01

1)HAMILTON HOUSEWARES PVT. LTD. AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT 1956, HAVING REGISTERED OFFICE AT

KAISER-I-HIND BLDG., 3RD FLOOR, CURRIMBHOY ROAD, BALLARD ESTATE, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	27/03/2014
TITLE	JUG



#### PRIORITY NA

DESIGN NUMBER	262897
CLASS	08-06

1)VITTORIA DESIGNS PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

2, MANINAGAR, NEAR ASHOK GARDEN, MAVDI PLOT, RAJKOT, GUJARAT-INDIA

DATE OF REGISTRATION	26/05/2014
TITLE	HANDLE
PRIORITY NA	



		1	
DESIGN NUMBER	26	1464	
<b>CLASS</b> 15-03			
1)KWALITY PRODUCT INDIA, ST. NO. 8, BACHITTAR NAGAR, GILL PARK, GILL ROAD, LUDHIANA-141006 (PUNJAB), INDIA, AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS JAGDISH SINGH, BEING INDIAN NATIONALS OF THE ABOVE ADDRESS			
DATE OF REGISTRATION	02/0	4/2014	
TITLE		E FOR USE IN COTTON FING MACHINE	
PRIORITY NA			
DESIGN NUMBER	26	1868	
CLASS	1	2-16	
1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	21/04/2014		
TITLE	RIGHT HAND SIDE PANEL OF TWO WHEELER		
PRIORITY NA			
DESIGN NUMBER	250662		
CLASS	21-01		
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR. 667, 80995 MUNICH, GERMANY			
DATE OF REGISTRATION	03/01/2013		
TITLE	DRIVERS CAB OF A UTILITY VEHICLE		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
001335236	04/07/2012 OHIM		

DESIGN NUMBER	262743
CLASS	31-00

1)STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY, 2401 UTAH AVENUE SOUTH, SEATTLE, WA 98134-1435, UNITED STATES OF

2401 UTAH AVENUE SOUTH, SEATTLE, WA 98134-1435, UNITED STATES AMERICA, STATE OF INCORPORATION: WASHINGTON

DATE OF REGISTRATION	20/05/2014
TITLE	BEVERAGE BREWING APPARATUS
PRIORITY	

PRIORITY NUMBER	DATE	COUNTRY
29/473,289	20/11/2013	U.S.A.

DESIGN NUMBER	261466
CLASS	15-03

1)KWALITY PRODUCT INDIA, ST. NO. 8, BACHITTAR NAGAR, GILL PARK, GILL ROAD, LUDHIANA-141006 (PUNJAB), INDIA,

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS JAGDISH SINGH, BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	02/04/2014
TITLE	SPACER RING FOR USE IN COTTON SEED DELINTING MACHINE



#### PRIORITY NA

DESIGN NUMBER	261870
CLASS	26-06

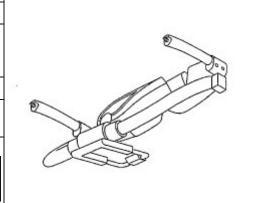
1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT

D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA

DATE OF REGISTRATION	21/04/2014
TITLE	HEAD LAMP OF TWO WHEELER
PRIORITY NA	



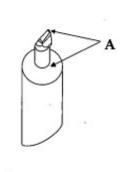
DESIGN NUMBER			258764	
CLASS			12-16	
1)FERNO-WASHINGTON, IN 70, WEIL WAY, WILMINGTO AMERICA, A CORPORATION O	ON, C	OHIO 45177, UNI		
DATE OF REGISTRATION		16	5/12/2013	159
TITLE			NEL OF A PATIENT PORT DEVICE	1
PRIORITY	•			
PRIORITY NUMBER		DATE	COUNTRY	
29/458,151		17/06/2013	U.S.A.	
DESIGN NUMBER			263806	
CLASS			12-15	
1)M/S. JK TYRE & INDUSTR 7, COUNCIL HOUSE STREET			INDIA, AN INDIAN COI	MPANY
DATE OF REGISTRATION		01/07/2014		





TITLE

DESIGN NUMBER	261497		
CLASS		08-03	
1)SUMITOMO ELECTRIC HARDMETAL CORP., A JAPANESE CORPORATION, OF 1-1, KOYAKITA 1-CHOME, ITAMI-SHI, HYOGO 664-0016, JAPAN			
DATE OF REGISTRATION	03/04/2014		
TITLE	CUT	TING TOOL	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-024747	24/10/2013	JAPAN	
	•	·	



TYRE

DESIGN NUMBER 261877
CLASS 12-16

1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-

411019, MAHARASHTRA, INDIA

DATE OF REGISTRATION	21/04/2014
TITLE	LIGHT SWITCH OF TWO WHEELER



#### PRIORITY NA

DESIGN NUMBER	261936
CLASS	08-01

1)M/S JOGINDER ELECTRIC WORKS, DHULKOT ROAD, P.O. AHMEDGARH-148 021, DISTT. SANGRUR (PUNJAB) INDIA

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- HARJIT SINGH BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	22/04/2014	
TITLE	WOOD ENGRAVING MACHINE	



DESIGN NUMBER	250665		
CLASS	21-01		
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR 667 80995 MUNICH GERMANY			

DATE OF REGISTRATION	03/01/2013		
TITLE	DRIVERS CAB OF A TOY UTILITY VEHICLE		



PRIORITY NUMBER	DATE	COUNTRY
001335236	04/07/2012	OHIM



DESIGN NUMBER		263535		
CLASS	02-04		02-04	
1)M/S SINGLA FOOTWEARS DELHI-110040, AN INDIAN PROPRIETORS OF ABOVE ADDRESS, AN IND	HIP FIRM	́ м, WHOSE PROPR	,	
DATE OF REGISTRATION		20	0/06/2014	
TITLE		FO	OTWEAR	
PRIORITY NA				
DESIGN NUMBER			263723	
CLASS	17-01			
1)SYDNEY MATHEWS, A CA 200 RIDEAU TERRACE, AP				1 0Z3
DATE OF REGISTRATION		27	7/06/2014	
TITLE		PIANO KEY		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
156112		17/04/2014	CANADA	
DESIGN NUMBER		261111		
CLASS		15-01		
1)TATA MOTORS LIMITED BOMBAY HOUSE, 24 HOMI MUMBAI 400001, MAHARASH	MODY	STREET, HUTATN		
DATE OF REGISTRATION		19/03/2014		
TITLE	CHAI	CHARGE AIR INDUCTION PIPE OF AN ENGINE		
PRIORITY NA				

DESIGN NUMBER	263193		
CLASS	09-01		

#### 1)SWAL CORPORATION LIMITED, AN INDIAN COMPANY OF

167, READY MONEY TERRACE, DR. ANNIE BESANT ROAD, WORLI, MUMBAI 400018, STATE OF MAHARASHTRA, INDIA

DATE OF REGISTRATION	06/06/2014
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	261467
CLASS	15-03

## 1)KWALITY PRODUCT INDIA, ST. NO. 8, BACHITTAR NAGAR, GILL PARK, GILL ROAD, LUDHIANA-141 006 (PUNJAB), INDIA,

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS JAGDISH SINGH, BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	02/04/2014
TITLE	GRATE RIB FOR USE IN COTTON SEED DELINTING MACHINE



#### PRIORITY NA

DESIGN NUMBER	250634
CLASS	12-08
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF	

#### 1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR. 667, 80995 MUNICH, GERMANY

DATE OF REGISTRATION	03/01/2013
TITLE	DRIVERS CAB OF A UTILITY VEHICLE

PRIORITY NUMBER	DATE	COUNTRY
001335236	04/07/2012	OHIM



	T
DESIGN NUMBER	259624
<b>CLASS</b> 12-16	
UNDER THE INDIAN COMPANIE	S LIMITED, A COMPANY INCORPORATED S ACT, AT T), MIDC, CHINCHWAD, PUNE-411019,
DATE OF REGISTRATION	23/01/2014
TITLE LEFT HAND ADD ON COVER FOR FRONT FENDER FOR MOTORCYCLE	
PRIORITY NA	
DESIGN NUMBER	261159
CLASS	08-08
UNDER THE INDIAN COMPANIE	TD., A COMPANY INCORPORATED S ACT, AT GOKHALE NAGAR SIGNAL, PUNE 411016,
DATE OF REGISTRATION	20/03/2014
TITLE	BEARING FOR SOLAR TRACKERS
PRIORITY NA	
DESIGN NUMBER	262346
CLASS	12-16
EXISTING UNDER THE LAWS OF	IES, LLC A COMPANY ORGANIZED AND UNITED STATES, HAVING ITS OFFICE AT TE 800, DEARBORN MICHIGAN 48126, UNIT

05/05/2014

VEHICLE REAR LOWER BUMPER COVER

COUNTRY

BRAZIL

DATE

06/11/2013

DATE OF REGISTRATION

PRIORITY NUMBER

TITLE

PRIORITY

3020130056830

DESIGN NUMBER	262446
CLASS	24-02

### 1)KARL STORZ GMBH & CO. KG, A GERMAN COMPANY OF

MITTELSTRASSE 8, D-78532 TUTTLINGEN, GERMANY

DATE OF REGISTRATION	07/05/2014
TITLE	TROCAR UNIT



PRIORITY NUMBER	DATE	COUNTRY
002340372-0002	07/11/2013	OHIM



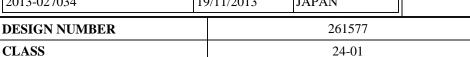
DESIGN NUMBER	262669
CLASS	26-06

### 1)HONDA MOTOR CO., LTD., A CORPORATION OF JAPAN OF

1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 JAPAN

DATE OF REGISTRATION	16/05/2014
TITLE	REAR COMBINATION LAMP FOR MOTORCYCLES
PRIORITY	

L			
	PRIORITY NUMBER	DATE	COUNTRY
	2013-027034	19/11/2013	JAPAN



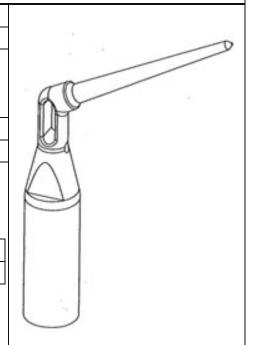
#### 1)ENGINEERED ENDODONTICS, LLC,

4965 N. CAMPBELL DRIVE, MENOMONEE FALLS, WISCONSIN 53051, UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF WISCONSIN

DATE OF REGISTRATION	07/04/2014	
TITLE	DENTAL TOOL	



PRIORITY NUMBER	DATE	COUNTRY
29/469,119	07/10/2013	U.S.A.



DESIGN NUMBER	261710
CLASS	09-01
1)SHRI INDERMAL P. JAIN,	
BLUPLAST INDUSTRIES LTD., 113/114 VIVEK INDUSTRIAL ESTATE, USW	

ROAD, GOREGAON (EAST), MUMBAI-63

DATE OF REGISTRATION	11/04/2014
TITLE	FLASK



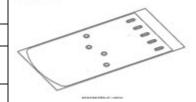
#### PRIORITY NA

DESIGN NUMBER	261844	
CLASS	09-05	
1)AUTOMATED PACKAGING SYSTEMS, INC., AN OHIO CORPORATION,		

HAVING AN ADDRESS AT

10175 PHILIPP PARKWAY, STREETSBORO, OHIO 44241, U.S.A.

DATE OF REGISTRATION	17/04/2014
TITLE	SHEET PREFORM FOR DOUBLE BUBBLE PACKAGING MATERIAL



**PRIORITY** 

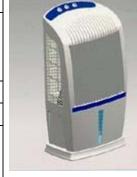
PRIORITY NUMBER	DATE	COUNTRY
29/470,861	25/10/2013	U.S.A.

DESIGN NUMBER	264192	
CLASS	23-04	

### 1)RACO AUTO PVT. LTD., A COMPANY REGISTERED UNDER THE COMPANIES ACT, 1956 AND HAVING ITS HEAD OFFICE AT

 $\mbox{B-21, D.S.I.D.C.}$  INDUSTRIAL COMPLEX, ROHTAK ROAD, NANGLOI, NEW DELHI-110041, INDIA

DATE OF REGISTRATION	22/07/2014
TITLE	AIR COOLER

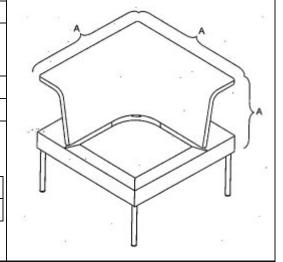


DESIGN NUMBER	256413
CLASS	99-01

#### 1)HERMAN MILLER, INC.,

OF 855 EAST MAIN AVENUE, ZEELAND, MICHIGAN 49464, UNITED STATES OF AMERICA

DATE OF REGISTRATION	13/09/2013	
TITLE	FURNITURE (SEATING UNIT)	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/450,168	15/03/2013	U.S.A.

DESIGN NUMBER	262994
CLASS	02-04

1)GULSHAN INTERNATIONAL PVT. LTD., KH. NO. 22, VILLAGE & POST NATHUPUR, BEHIND-PUBLIC SCHOOL, NATHUPUR ROAD, DISTT.-SONEPAT, NATHUPUR-131029, HARYANA, INDIA.

(AN INDIAN COMPANY DULY REGISTERED UNDER THE COMPANIES ACT, 1956)

DATE OF REGISTRATION	30/05/2014
TITLE	SOLE FOR FOOTWEAR



#### PRIORITY NA

DESIGN NUMBER	263087	
CLASS	31-00	

### 1)BAJAJ ELECTRICALS LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT,

45/47, VEER NARIMAN ROAD, MUMBAI 400023, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS

DATE OF REGISTRATION	03/06/2014
TITLE	BASE OF MIXER GRINDER



DESIGN NUMBER  CLASS  03-01  1)GOUSSON-CONSULTADORIA E MARKETING S.R.L., AN ITALIAN LIMITED LIABILITY COMPANY OF STRADA SETTECAMINI 116, I-63811 SANT'ELPIDIO A MARE (FERMO), ITALY  DATE OF REGISTRATION  01/04/2014  TITLE  BAG  PRIORITY  PRIORITY NUMBER  08/10/2013  OHIM
1)GOUSSON-CONSULTADORIA E MARKETING S.R.L., AN ITALIAN LIMITED LIABILITY COMPANY OF STRADA SETTECAMINI 116, I-63811 SANT'ELPIDIO A MARE (FERMO), ITALY  DATE OF REGISTRATION 01/04/2014  TITLE BAG  PRIORITY PRIORITY NUMBER DATE COUNTRY
TITLE BAG  PRIORITY PRIORITY NUMBER DATE COUNTRY
PRIORITY PRIORITY NUMBER DATE COUNTRY
PRIORITY NUMBER DATE COUNTRY
DESIGN NUMBER 261830
<b>CLASS</b> 24-01
1)FEMASYS INC., A DELAWARE CORPORATION, OF 5000 RESEARCH COURT, SUITE 100, SUWANEE, GEORGIA 30024, U.S.A.
DATE OF REGISTRATION 17/04/2014
TITLE MEDICAL DEVICE FOR MIXING FLUIDS
PRIORITY
PRIORITY NUMBER DATE COUNTRY
29/470,289   18/10/2013   U.S.A.
DESIGN NUMBER 261896
CLASS 09-01
1)BEAUTY UNION GLOBAL LIMITED OF UNIT B, 19/F, FEDERAL CENTER, 77 SHEUNG ON STREET, CHAI WAN, HONG KONG, NATIONALITY: HONG KONG
DATE OF REGISTRATION 21/04/2014
TITLE REFILL BOTTLE FOR COSMETIC PRODUCTS
PRIORITY
PRIORITY NUMBER DATE COUNTRY
54714 20/10/2013 ISRAEL

DESIGN NUMBER	258201
CLASS	12-16

## 1)HERO MOTOCORP LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, HAVING ITS OFFICE AT

34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHIÂ& 110057

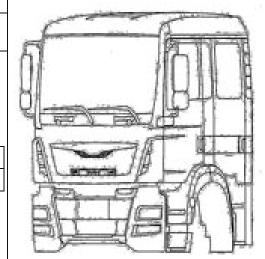
DATE OF REGISTRATION	18/11/2013
TITLE	ENGINE GUARD



#### PRIORITY NA

DESIGN NUMBER	250666
CLASS	21-01
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF	
DACHAUER STR. 667, 80995	MUNICH, GERMANY

DATE OF REGISTRATION	03/01/2013
TITLE	DRIVERS CAB OF A TOY UTILITY VEHICLE



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
001335236	04/07/2012	OHIM

<b>DESIGN NUMBER</b> 263724	
CLASS	17-01
1)CVDNEV MATHEWS A CANA	DIAMMATIONAL OF THE ADDDESS
	<b>DIAN NATIONAL OF THE ADDRESS</b> 03 OTTAWA, ONTARIO, CANADA, K1M 0Z3

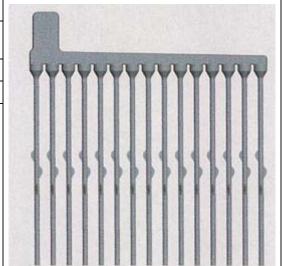


- 1			
	PRIORITY NUMBER	DATE	COUNTRY
	156112	17/04/2014	CANADA

CLASS  11-01  1)RITESH RAJENDRA SHAH, AN INDIAN NATIONAL WHOSE ADDRESS IS 1605, TOWER NO. 2, CASA GRANDE, SENAPATI BAPAT MARG, LOWER PAREL (WEST), MUMBAI 400014  DATE OF REGISTRATION  16/04/2014  TITLE  GEMSTONE  PRIORITY NA  DESIGN NUMBER  261872  CLASS  26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION  21/04/2014  TITLE  LICENSE PLATE LAMP OF TWO WHEELER  PRIORITY NA	
1605, TOWER NO. 2, CASA GRANDE, SENAPATI BAPAT MARG, LOWER PAREL (WEST), MUMBAI 400014  DATE OF REGISTRATION  16/04/2014  TITLE  GEMSTONE  PRIORITY NA  DESIGN NUMBER  261872  CLASS  26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION  21/04/2014  TITLE  LICENSE PLATE LAMP OF TWO WHEELER	
TITLE GEMSTONE  PRIORITY NA  DESIGN NUMBER 261872  CLASS 26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION 21/04/2014  TITLE LICENSE PLATE LAMP OF TWO WHEELER	
PRIORITY NA  DESIGN NUMBER  261872  CLASS  26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED  UNDER THE INDIAN COMPANIES ACT, AT  D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019,  MAHARASHTRA, INDIA  DATE OF REGISTRATION  21/04/2014  TITLE  LICENSE PLATE LAMP OF TWO WHEELER	
DESIGN NUMBER  CLASS  26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION  21/04/2014  TITLE  LICENSE PLATE LAMP OF TWO WHEELER	
CLASS  26-06  1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION 21/04/2014  TITLE LICENSE PLATE LAMP OF TWO WHEELER	
1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION 21/04/2014 TITLE LICENSE PLATE LAMP OF TWO WHEELER	
UNDER THE INDIAN COMPANIES ACT, AT D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA  DATE OF REGISTRATION 21/04/2014  TITLE LICENSE PLATE LAMP OF TWO WHEELER	
TITLE LICENSE PLATE LAMP OF TWO WHEELER	
PRIORITY NA	
DESIGN NUMBER 250641	
CLASS 12-08	
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR. 667, 80995 MUNICH, GERMANY	
DATE OF REGISTRATION 03/01/2013	
TITLE DRIVERS CAB OF A UTILITY VEHICLE	
PRIORITY	1
PRIORITY NUMBER DATE COUNTRY	-
001335236 04/07/2012 OHIM	1

DESIGN NUMBER	263117		
CLASS	13-02		
1)SUBODH GUPTA, C/O. OKAYA POWER LTD., D-7, UDYOG NAGAR, ROHTAK ROAD, NEW DELHI-110041, (INDIAN)			
DATE OF REGISTRATION	04/06/2014		

POSITIVE PLATE OF BATTERY



#### PRIORITY NA

29/469,651

TITLE

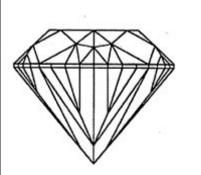
DESIGN NUMBER	262807
CLASS	07-01

1)STYLO TABLEWARES, A REGISTERED PARTNERSHIP FIRM, WHOSE PARTNERS ARE SANJAY T. PATEL, AKSHAY T. PATEL AND HITEN T. PATEL, ALL INDIAN NATIONALS AND CARRYING ON THEIR BUSINESS IN THE AFOREMENTIONED NAME FROM

 $703/704, \, \mathrm{JANKI}$  CENTRE, OFF VEERA DESAI ROAD, ANDHERI WEST, MUMBAI-400053, INDIA

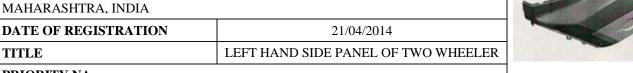
DATE OF REGISTRATION	22/05/2014				
TITLE	CROCKERY PLATE				
PRIORITY NA					
DESIGN NUMBER	261434				
CLASS	11-01				
1)AMISH SHAH, INDIAN NATIONAL, 392 CENTRAL PARK WEST, APT 6V, NEW YORK, NY 10025					
DATE OF REGISTRATION	01/04/2014				
TITLE	GEMSTONE				
PRIORITY					
PRIORITY NUMBER	DATE	COUNTRY			

11/10/2013



U.S.A.

DATE OF REGISTRATION	2	21/04/2014	
1)MAHINDRA 2 WHEELERS LIM UNDER THE INDIAN COMPANIES D1 BLOCK, PLOT NO. 18/2 (PART MAHARASHTRA, INDIA	ACT, AT		
CLASS	ITED A COMPANY	12-16	
DESIGN NUMBER	261867		
29/470,026	17/10/2013	U.S.A.	
PRIORITY NUMBER	DATE	COUNTRY	
PRIORITY			
TITLE	FRAGRANCE BOTTLE		
DATE OF REGISTRATION	1	6/04/2014	
1)ELC MANAGEMENT LLC, A DI 155 PINELAWN ROAD, SUITE 34			
CLASS		09-01	*
DESIGN NUMBER	261789		



### PRIORITY NA

DESIGN NUMBER	261923
CLASS	09-03

1)MR. SACHIN SACHDEV, MRS. MANASI SACHDEV AND MR. RAVI CHAWLA ALL PARTNERS OF M/S NAYASA MULTIPLAST A PARTNERSHIP CONCERN DULY REGISTERED UNDER THE PARTNERSHIP ACT, 1932 HAVING ADDRESS AT

PLOT NOS. 225, 225, 227 AND 228, VILLAGE VELA BATHRI, TAHASIL HAROLI, DISTRICT UNA-732141, HIMACHAL PRADESH

DATE OF REGISTRATION	22/04/2014		
TITLE	LUNCH BOX		
PRIORITY NA			



250657		
21-01		
1)MAN TRUCK & BUS AG, A GERMAN COMPANY OF DACHAUER STR. 667, 80995 MUNICH, GERMANY		
03/01/2013		
DRIVERS CAB OF A UTILITY VEHICLE		



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
001335236	04/07/2012	OHIM

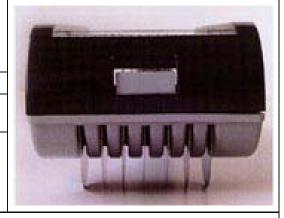
DESIGN NUMBER	262054
CLASS	07-04

1)MADHU KANTILAL GORWADIA, MANISH KANTILAL GORWADIA, AMIT KANTILAL GORWADIA AND KANTILAL CHONDABHAI GORWADIA, ALL INDIAN NATIONALS, PARTNERS OF NATIONAL INDUSTRIES, AN INDIAN PARTNERSHIP FIRM, ADDRESS AT

PLOT NO A-2/7 AJI GIDC, RAJKOT 360003, GUJARAT, INDIA

DATE OF REGISTRATION	25/04/2014
TITLE	SLICER & CHOPPER FOR PREPARING FOOD

**STABILIZER** 



### PRIORITY NA

263511		
13-03		
1)LECTRIX MOTORS LIMITED, 137-C, DDA, MIG FLATS, RAJOURI GARDEN EXTENSION, NEW DELHI, INDIA (AN INDIAN COMPANY DULY REGISTERED UNDER THE COMPANIES ACT, 1956)		
19/06/2014		



#### PRIORITY NA

TITLE

DESIGN NUMBER		262523	
CLASS	10-04		
1)JNS INSTRUMENTS LIMITED, OFFICIAL ADDRESS OF PLOT NO4, SECTOR-3, IMT MA	•		
DATE OF REGISTRATION		2/05/2014	
TITLE		EDOMETER	
PRIORITY NA			
DESIGN NUMBER		262604	
CLASS		15-02	
UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT 88 11TH AVENUE NE, MINNEAPOLIS, MINNESOTA 55440-1441, UNITED STATES OF AMERICA  DATE OF REGISTRATION 15/05/2014			
TITLE	SPRAYER		8
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/479,848	21/01/2014	U.S.A.	
DESIGN NUMBER		262898	
CLASS	08-06		
1)VITTORIA DESIGNS PVT. LTD THE COMPANIES ACT, 1956) HAV AT ADDRESS: 2, MANINAGAR, NEAR ASHOK (INDIA	ING ITS PRINCIPAL	PLACE OF BUSINESS	The second second
DATE OF REGISTRATION	26/05/2014		
TITLE	HANDLE		
PRIORITY NA			

DESIGN NUMBER	261465	
CLASS	15-03	
1)KWALITY PRODUCT INDIA, ST. NO. 8, BACHITTAR NAGAR, GILL PARK, GILL ROAD, LUDHIANA-1410 06		
	ORSHIP FIRM WHOSE PROPRIETOR G INDIAN NATIONALS OF THE	

IS JAGDISH SINGH, BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF

02/04/2014

DATE OF REGISTRATION	02/04/2014
TITLE	HULLER FOR USE IN COTTON SEED DELINTING MACHINE



### PRIORITY NA

DESIGN NUMBER	261801
CLASS	13-03

# 1)INTELLIGENT ENERGY LIMITED, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED KINGDOM, OF

CHARNWOOD BUILDING, HOLYWELL PARK, ASHBY ROAD, LOUGHBOROUGH, LEICESTERSHIRE, UNITED KINGDOM, LE11 3GB

DATE OF REGISTRATION	16/04/2014	
TITLE	ELECTRICAL POWER BATON	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY

THOMETTIONE	2.112	000111111	
29/470,043	17/10/2013	U.S.A.	
DESIGN NUMBER		261869	

DESIGN NUMBER	261869
CLASS	12-16

# 1)MAHINDRA 2 WHEELERS LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT

D1 BLOCK, PLOT NO. 18/2 (PART), MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA

DATE OF REGISTRATION	21/04/2014
TITLE	DIMMER SWITCH OF TWO WHEELER



### PRIORITY NA

CLASS  1)DAIKIN INDUSTRIES LTD., A.  UMEDA CENTER BUILDING, 4- DSAKA-SHI, OSAKA-FU, JAPAN	12 NAKAZAKI-NISHI		
UMEDA CENTER BUILDING, 4-	12 NAKAZAKI-NISHI		
DATE OF REGISTRATION	13	3/06/2014	
TITLE	AIR C	ONDITIONER	
PRIORITY NA			<u></u>
DESIGN NUMBER		263725	
CLASS		17-01	
1)SYDNEY MATHEWS, A CANAL 200 RIDEAU TERRACE, APT 140			
DATE OF REGISTRATION	2	7/06/2014	
TITLE	PIANO KEY		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	4,//
155813	02/04/2014	CANADA	
DESIGN NUMBER	IGN NUMBER 260933		
CLASS		09-99	Mar
1)TATA STEEL LIMITED, RESEARCH AND DEVELOPMENT DIVISION, JAMSHEDPUR 831 001, INDIA, AN INDIAN COMPANY			
DATE OF REGISTRATION	12/03/2014		
TITLE	RUBBER CUSHION FOR FRET FREE TRANSPORTATION OF METAL COILS		
PRIORITY NA	•		A

DESIGN NUMBER	263805
CLASS	12-15

### 1)M/S. JK TYRE & INDUSTRIES LIMITED, OF

7, COUNCIL HOUSE STREET, KOLKATA-700001, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	01/07/2014
TITLE	TYRE



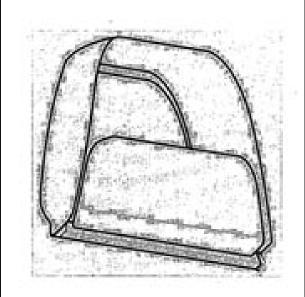
#### PRIORITY NA

DESIGN NUMBER	261493
CLASS	08-07

# 1)EMBRAER S.A., A COMPANY ORGANIZED AND EXISTING UNDER THE BRAZILIAN LAW, OF

AV. BRIGADEIRO FARIA LIMA, 2.170, SãO JOSé DOS CAMPOS €' SP €' BRAZIL, 12227-901

DATE OF REGISTRATION	02/04/2014
TITLE	LATCH



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/469,014	04/10/2013	U.S.A.

DESIGN NUMBER	264056
CLASS	12-11

### 1)THAIKATTIL JOSE,

THAIKATTIL HOUSÉ, OLLUKARA P.O., THRISSUR, KERALA STATE 680655, INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	15/07/2014
TITLE	LUGGAGE CARRIER FOR A TWO WHEELED VEHICLE
PRIORITY NA	



DESIGN NUMBER	2	61807	
CLASS		11-01	
1)RITESH RAJENDRA SHAH, AN INDIAN NATIONAL WHOSE ADDRESS IS 1605, TOWER NO. 2, CASA GRANDE, SENAPATI BAPAT MARG, LOWER PAREL (WEST), MUMBAI 400014			
DATE OF REGISTRATION	16/	04/2014	
TITLE	GEN	MSTONE	
PRIORITY NA			
DESIGN NUMBER	2	61876	
CLASS		09-05	
1)INDULGE BEVERAGES PVT. THE LAWS OF INDIA, OF A-157, DEFENCE COLONY, NE			
DATE OF REGISTRATION	21/	04/2014	
TITLE	BEVERAGE CONTAINER		( WEEELS)
PRIORITY NA			TO AT
DESIGN NUMBER	2	50636	
CLASS	12-08		
1)MAN TRUCK & BUS AG, A GI DACHAUER STR. 667, 80995 M			
DATE OF REGISTRATION	03/01/2013		
TITLE	DRIVERS CAB OF A UTILITY VEHICLE		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
001335236	04/07/2012	OHIM	

DESIGN NUMBER		263	100	
CLASS	12-16			
1)DEERE & COMPANY, A US CO ONE JOHN DEERE PLACE, MOI	ORPORATION ( LINE, ILLINOIS,	<b>)F</b> 61265 €	' 8098, USA	1
DATE OF REGISTRATION	03/06/2014		/2014	
TITLE	FUEL	TANK FO	OR A VEHICLE	
PRIORITY NA	•			
DESIGN NUMBER		261	578	
CLASS		24-	-01	
1)ENGINEERED ENDODONTICS 4965 N. CAMPBELL DRIVE, ME STATES OF AMERICA, A CORPORA	NOMONEE FAL			· ·
DATE OF REGISTRATION	07/04/2014			Ma
TITLE	DENTAL TOOL UNIT		OOL UNIT	[[시]
PRIORITY				
PRIORITY NUMBER	DATE COUNTRY		COUNTRY	
29/469,119	07/10/2013		U.S.A.	
DESIGN NUMBER		(	2	
CLASS	06-01			
1)FORMWAY FURNITURE LIMI 43B SEAVIEW ROAD, LOWER F NEW ZEALAND COMPANY		TON 5010	), NEW ZEALAND, A	
DATE OF REGISTRATION	11/04/2014			
TITLE	CHAIR		AIR	
PRIORITY				
PRIORITY NUMBER	DATE	DATE COUNTRY		
418157	17/10/2013	NEW	ZEALAND	

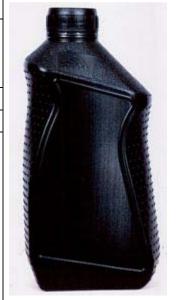
DESIGN NUMBER	264	039	
CLASS	07-02		Mary Control of the State of th
1)SHRI INDERMAL P. JAIN, BL 113/114 VIVEK INDUSTRIAL E MUMBAI-63 NATIONALITY:- IND	STATE, USWALA ROAD, O		
DATE OF REGISTRATION	15/07	/2014	
TITLE	WATE	R JUG	
PRIORITY NA			
DESIGN NUMBER	250	638	
CLASS	12-	-08	
1)MAN TRUCK & BUS AG, A GI DACHAUER STR. 667, 80995 M			
DATE OF REGISTRATION	03/01/2013		
TITLE	DRIVERS CAB OF A UTILITY VEHICLE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001335236	04/07/2012	OHIM	e de la
DESIGN NUMBER	260	376	
CLASS	06-	-01	
1)R. P. AUTOSTYLES A PROPR F-20, 21, 63 & 64 UPSIDC, SELA (INDIA)			
DATE OF REGISTRATION	17/02/2014		1881
TITLE	SEAT COVER FOR VEHICLES		YESSYL
PRIORITY NA			

DESIGN NUMBER	261581
CLASS	09-01

# 1)GANDHAR OIL REFINERY (I) LTD IS A COMPANY REGISTERED UNDER COMPANY ACT 1956

18TH FLOOR, DLH PARK, S.V. ROAD, GOREGAON (W), MUMBAI-400062, MAHARASHTRA, INDIA

DATE OF REGISTRATION	08/04/2014		
TITLE	CONTAINER		



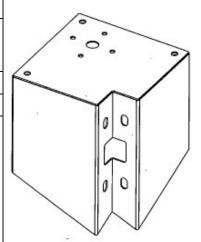
#### PRIORITY NA

DESIGN NUMBER	261713
CLASS	15-06

# 1)LAKSHMI MACHINE WORKS LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT

PERIANAICKENPALAYAM, COIMBATORE-641020, TAMIL NADU, INDIA

DATE OF REGISTRATION	11/04/2014		
TITLE	LIGHT STAND FOR TEXTILE MACHINES		

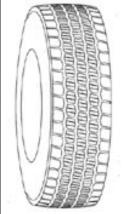


#### PRIORITY NA

DESIGN NUMBER	261771		
CLASS	12-15		

1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS BRAILLE 10, CH-1763 GRANGES-PACCOT, SWITZERLAND

DATE OF REGISTRATION	16/04/2014		
TITLE	TYRE		



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
13/4592	22/10/2013	FRANCE

DESIGN NUMBER		261865	
CLASS		12-16	
1)MAHINDRA 2 WHEELERS UNDER THE INDIAN COMPAN D1 BLOCK, PLOT NO. 18/2 (F MAHARASHTRA, INDIA	NIES ACT, AT		
DATE OF REGISTRATION		21/04/2014	
TITLE	FRO	NT COVER OF TWO WHEELER	
PRIORITY NA			
DESIGN NUMBER		261907	
CLASS		09-02	
601 CENTRAL PLAZA, 2/6, S. BENGAL, INDIA  DATE OF REGISTRATION	E OF REGISTRATION 22/04/2014		
PRIORITY NA		WAIER IANK	
DESIGN NUMBER		255683	
CLASS		14-03	
1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONG REPUBLIC OF KOREA, A COMP	ГONG-GU, SUV	VON-SI, GYEONGGI-DO, 443-742, BLIC OF KOREA	In the Lates
DATE OF REGISTRATION		06/08/2013	
TITLE		MOBILE PHONE	
PRIORITY	•		
PRIORITY NUMBER	DATE	COUNTRY	
30-2013-0009481	23/02/2013	REPUBLIC OF KOREA	

DESIGN NUMBER		263807	
CLASS		12-15	
1)M/S. JK TYRE & INDUSTRIES I 7, COUNCIL HOUSE STREET, KO			NY HIMME
DATE OF REGISTRATION	0	1/07/2014	
TITLE		TYRE	43
PRIORITY NA			and the same of th
DESIGN NUMBER	261498		
CLASS	08-03		
1)SUMITOMO ELECTRIC HARDI CORPORATION, OF 1-1, KOYAKITA 1-CHOME, ITAM	,		A
DATE OF REGISTRATION	0:	3/04/2014	
TITLE	CUTTING TOOL		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
2013-024748	24/10/2013	JAPAN	
DESIGN NUMBER		261878	
CLASS	12-16		* *
1)MAHINDRA 2 WHEELERS LIM UNDER THE INDIAN COMPANIES D1 BLOCK, PLOT NO. 18/2 (PART MAHARASHTRA, INDIA	ACT, AT	INCORPORATED	
	21/04/2014		The second secon

SPEEDOMETER OF TWO WHEELER

TITLE

PRIORITY NA

DESIGN NUMBER	260852	
CLASS	19-06	
1)D. K. JAIN, AN INDIAN CITIZEN, OF D-19, NIZAMMUDIN EAST, NEW DELHI-110013, INDIA		
DATE OF REGISTRATION	10/03/2014	
TITLE	PEN	
		•



## PRIORITY NA