पेटेंट कार्यालय शासकीय जर्नल

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DATE: 29/04/2016

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 01st 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.

(Om Prakash Gupta) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

29th APRIL, 2016

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THE PATENT OFFICE KOLKATA, 29/04/2016

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पेटेंट कार्यालय

कोलकाता, दिनांक 29/04/2016

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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.

(Om Prakash Gupta)
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 18th 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.201611010083 A

(19) INDIA

(22) Date of filing of Application :23/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: AUTOMATIC SPEED ALERT INDICATOR

 (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 	:B60R16/023 :NA :NA :NA :NA :NA :NA : NA	(71)Name of Applicant: 1)JNS INSTRUMENTS LIMITED Address of Applicant: PLOT NO4, SECTOR-3, IMT MANESAR, GURGAON-122050 INDIA Haryana India (72)Name of Inventor: 1)RAJESH SINGH 2)ARUN KUMAR SHARMA 3)DEEPAK KUMAWAT
Filing Date	:NA	3)DEEPAK KUMAWAT
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present subject matter relates to an automatic speed alert indicator in a vehicle information display instrument that mainly includes an active matrix thin film transistor screen for displaying the instantaneous speed of the vehicle and an electronic circuit structure governing the display of instantaneous speed of the vehicle. The electronic circuit structure is provided with a Controller Area Network to communicate signals of instantaneous speed of the vehicle via a Controller Area Network transmission receiver, a microcontroller that receive signals from the Controller Area Network transmitter receiver to program the size, color and the pattern of the fonts of instantaneous speed indicator wherein the size, color and the pattern of the fonts of instantaneous speed indicator changes with respect to the instantaneous speed of the moving vehicle. The present subject matter discloses that the highlighted fonts of the instantaneous speed indicator are, transmitted to get visible on the active matrix thin film transistor screen in the vehicle information display instrument of the vehicle. Also, the displayed fonts may blink if the revolution-per-minute exceed the pre-defined limit. Additionally, the subject matter explains the possibility of an audible buzzer if the speed exceeds the pre-defined permissible limit. REFER: FIG. 21)

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

(22) Date of filing of Application :23/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A SYSTEM AND METHOD FOR COMPUTING SLEEP DURATION

		(71)Name of Applicant:
		1)Purnendu Shekhar Pandey
		Address of Applicant :H.No.S-2/639-15, VarunaVihar Colony
(51) International classification	:A61M21/02	Near J P Mehta, Kachari, Varanasi, Uttar Pradesh-221002, India
(31) Priority Document No	:NA	Uttar Pradesh India
(32) Priority Date	:NA	2)Dr. Sanjeev Kumar Raghuwanshi
(33) Name of priority country	:NA	3)Dr. Mayank Singh
(86) International Application No	:NA	4)Dr. Aseem Chandel
Filing Date	:NA	5)Ajay Swaroop Raturi
(87) International Publication No	: NA	6)Manoj Baghari
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Purnendu Shekhar Pandey
(62) Divisional to Application Number	:NA	2)Dr. Sanjeev Kumar Raghuwanshi
Filing Date	:NA	3)Dr. Mayank Singh
		4)Dr. Aseem Chandel
		5)Ajay Swaroop Raturi
		6)Manoj Baghari

(57) Abstract:

A system for computing sleeping duration of a user is provided. The system includes: a master unit that receives an analogue signal from the head of the user to generate an output; and a slave unit that receives the output from the master unit and processes the output to computer and display sleeping duration. The master and the slave unit communicate via an RF module, preferably a ZigBee module.

No. of Pages: 16 No. of Claims: 17

(22) Date of filing of Application :26/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: UPGRADING TIME CRITICAL SYSTEMS

(51) Intermedianal alegaination	·C06E11/20	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAMMANA, Sankar Uma
(87) International Publication No	: NA	2)DHALIWAL, Jasbir Singh
(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 system(s) and method(s) for upgrading a set of robotic devices is illustrated. The system may receive a set of software patches and a priority level associated with each software patch. Further, the system may identify a current operation and a set of future operations associated with each robotic device from a set of robotic devices. Further, the system may distribute the set of software patches across one or more robotic devices from the set of robotic devices. Further, the system may test the set of software patches over the one or more robotic devices to generate a set of test results corresponding to each software patch. Further, the system may install the set of software patches at each robotic device from the set of robotic device, based on the set of test results corresponding to each software patch.

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

(21) Application No.201611010544 A

(19) INDIA

(22) Date of filing of Application :28/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: DYNAMIC VIDEO PROCESSING

(51) International classification(31) Priority Document No	:H04N21/84 :NA	(71)Name of Applicant : 1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PANDEY, Anurag
(87) International Publication No	: NA	2)KUMAR, Arun
(61) Patent of Addition to Application Number	:NA	3)KHURANA, Nitin
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present subject matter discloses a system and method for dynamically processing video. The system is configured to identify a video frame, from a video captured in real-time, comprising an object having an average intensity value above a predetermined threshold. The system is further configured to determine a contour associated with the object. The system is further configured to generate a glitter corresponding to the object. The glitter is generated based on dimensions of the object and an average RGB value of pixels associated with the object. The system is further configured to superimpose the glitter at one or more locations along the contour of the object to generate a processed video frame. The system is further configured to replace the video frame, in the video, with the processed video frame to generate a processed video.

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

(22) Date of filing of Application :07/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: COMMUNICATION IN VIRTUAL REALITY

(51) International classification	·G06F3/01	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAMMANA, Sankar Uma
(87) International Publication No	: NA	2)DHALIWAL, Jasbir Singh
(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 method and system for communication in a virtual reality environment. The method comprises initiating multimedia on a device providing a virtual reality environment to a primary user and receiving a communication initiated by a secondary user via a communication channel between the device and a mobile phone associated with the primary user. The method further comprise comparing a first relationship and a second relationship and selecting a character from the characters present in the multimedia based on the comparison of the first relationship and the second relationship. The method furthermore comprises displaying the character as a representation of the secondary user in the virtual reality environment for communication between the primary user and the secondary user.

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

(22) Date of filing of Application :07/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD & SYSTEM FOR ONLINE PURCHASING OF FOOD PRODUCTS.

(51) International classification (31) Priority Document No	:G06Q20/00 :NA	(71)Name of Applicant: 1)PARVEEN
(32) Priority Date	:NA	Address of Applicant :H.No. 52/14, FACT Computer Centre,
(33) Name of priority country	:NA	Hari Nagar Colony, Near Shiv Chowk, Najafgarh Road,
(86) International Application No	:NA	Bahadurgarh, Distt. Jhajjar Haryana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PARVEEN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a method, system and device for internet users to online purchase food products from the different local merchants/shoppers/confectioners/grocers/dealers/dairies/warehouses who/which are connecting to website to sell their products and this system providing a laboratory testing process on products and at the end, the users must receive quality food products routed through Mobile Lab or Local Quality Control Centre.

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

(22) Date of filing of Application :11/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE FOR INDUCING ANXIETY-DISORDER IN LABORATORY ANIMALS

 (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 :NA :NA :NA :NA : NA	(71)Name of Applicant: 1)PROF.(DR.) MILIND PARLE Address of Applicant:PROFESSOR PHARMACOLOGY, F- 8, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY CAMPUS, HISAR, HARYANA PIN- 125001,INDIA Haryana India (72)Name of Inventor: 1)PROF.(DR.) MILIND PARLE S/O SHRI PURUSHOTTAM PARLE 2)DR.ISHA DHAMIJA D/O SHRI RADHE SHYAM DHAMIJA 3)NEERAJ SETHI S/O SHRI BADRI NATH SETHI
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(57) Abstract:

The objective of the present invention is to design a device, which would help in producing Anxiety like disorder in small laboratory animals. Another objective of the present invention is to provide an experimental model for testing medicines useful in the management of Anxiety-Disorder. Yet another objective of the instant invention is to provide a device, which would produce Anxiety like disorder in small laboratory animals due .to an unusual, unexpected but non-fatal situation in small laboratory animals. Yet another objective of the instant invention is to provide a device, which would be able to measure the Torpid/passive behavior of laboratory animals produced in response to Anxiety as well as to quantify the anxiolytic response of effective medicines. The present device as claimed in claim I, comprises of tension box, which induces terrible fear1 apprehension collectively termed as tension in laboratory animals akin to human anxiety. Yet another objective of the instant invention is to provide a device, which would be useful for studying pathophysiology of Anxiety-disorder and in exploring mechanism of action of drugs effective in the management of Anxiety-disorder.

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

(22) Date of filing of Application :12/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: SWAMI SAT FUEL-LESS ENGINE BASED ON GRAVITATIONAL PULL

(51) International classification	:G06F15/18,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.SATYENDRA PRASAD
(32) Priority Date	:NA	Address of Applicant :DOODHNATH KA TIRAHA,
(33) Name of priority country	:NA	VINDHYACHAL ROAD, MIRZAPUR, U.P231001 Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. SATYENDRA PRASAD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In the explanatory theory of swami-sat engine which is completely fuel-less and pollution-less is based on the gravitational pull of the earth and has been activated having applied a quite new mechanical technique Whatever has been mentioned in the theory of fuel-less engine based on gravity is said to be mostly a new in itself in the sense that the facts involved in this theory on the basis of which the engine is activated for accelerated perpetual motion has nowhere been described in any of the scientific theory in theory in the whole world. The theory of zero state, the conversion of negative work into a positive one forming a zero sate, the conservation of initial force applied to the system, the extension of Newtonlaws of motion are quite new theories and laws which have been stated first and formost. The speed governing system and the whole, mechanical design of Swami-Sat engine are quite new techniques in themselve. The comperative study of theory of engine with the external nature on the basis of spiritual thinking is also a new thought in itself.

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

(22) Date of filing of Application :30/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: ASSISTING A VISUALLY IMPAIRED USER TO GRIP AN OBJECT

(51) International classification	:G06F3/0481	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUBRAMANIAM, Mahesh
(87) International Publication 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 system(s) and device for assisting a visually impaired user to grip objects. The system may receive an image of an object in real-time and identify a reference image corresponding to the image by comparing the image with reference images. Further, the system may identify a reference tactile image corresponding to the reference image and generate a first set of audio instructions for assisting the visually impaired user to grip the object based on the reference tactile image. Further, the system may receive a tactile image from a tactile glove of the visually impaired user and compare the tactile image with the reference tactile image to identify pressure variation data. Furthermore, the system may generate a second set of audio instructions for guiding the visually impaired user to grip the object base on a second set of audio instructions generated using the pressure variation data.

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

(22) Date of filing of Application :04/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : A SYSTEM AND A METHOD FOR GENERATION OF ELECTRICITY BY VEHICULAR MOVEMENT.

(51) International classification(31) Priority Document No(32) Priority Date	:F16H33/00, :NA :NA	(71)Name of Applicant: 1)PAWAN KUMAR SANGWAN Address of Applicant: HOUSE NO.2040, SECTOR-2(PART),
(33) Name of priority country	:NA	NEAR PARSHURAM MANDIR, SONIPAT ROAD, ROHTAK,
(86) International Application No Filing Date	:NA :NA	HARYANA 124001 Haryana India (72)Name of Inventor:
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	1)PAWAN KUMAR SANGWAN
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to generation of the electricity by vehicular (1 32) movement. The system (200) includes the one or more platforms (100) positioned on the road. The one or more platform (100) is coupled to the more than one plate of platform (1 10) which is placed below the one or more platform (100). More than one parallely arranged primary cylinder (104), each more than one primary cylinder (1.04) is having the piston (1 12), that are coupled to the respective more than one plate of platform (1 10). More than one fluid conduit (1 16) is coupled to the respective more than one parallely arranged primary cylinder (104). One or more secondary cylinder (1 18) coupled to the more than one fluid conduits (1 16). The first rod (122) is coupled to one or more secondary cylinder (1 18) and the second rod (124) is coupled to the . first rod (122). The second rod (124) at one end is coupled with the gearbox (126). The flywheel (128) is coupled to the generator (1 30).

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

(21) Application No.201611008770 A

(19) INDIA

(22) Date of filing of Application :14/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: FROM SPENDING TO SAVINGS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:G06Q40/00 :NA :NA :NA	(71)Name of Applicant: 1)DR.SUNDEEP BHARTI Address of Applicant:01, CITY HEART COLONY, BAREILLY, U.P. Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR.SUNDEEP BHATI
(87) International Publication 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 following specification describes the invention insert design name. The entire idea of this invention focuses on the rotation of cash in the economy from one part of the society to other in a channelized format such that many sections of the society benefit from this one - sided flow of cash. This invention creates a gateway of payment in the sense that it benefits both the consumer and the retailer in different senses by creating a benefiting scenario for both the parties. This gateway would be created through a cell phone application, these days widely available and accessible on the smart phones. (Android and IOS) The concept guarantees the inflow and outflow of cash in the transaction made through the payment gateway such that it would benefit the retailer and the middle parties and would also verify for the authentication of the products purchased.

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

(22) Date of filing of Application :23/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: HERMETIC FUEL TANK UNIT ASSEMBLY FOR VEHICLES

(51) International classification	:B60K6/52	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JNS INSTRUMENTS LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT NO4, SECTOR-3, IMT
(33) Name of priority country	:NA	MANESAR, GURGAON-122050 INDIA Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAJESH SINGH
(87) International Publication No	: NA	2)ARUN KUMAR SHARMA
(61) Patent of Addition to Application Number	:1302/DEL/2015	3)ISHWAR SINGH
Filed on	:11/05/2015	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present subject matter relates to a hermetic fuel unit assembly for vehicles that includes a top plate suspended from the top inside of a fuel tank to hold a fuel unit assembly, a central lower annular arm extending down from the center of the top plate, a bracket snap-fitted to the extending arm of the top plate, and a U-shaped housing operably connected to the bracket by fasteners. The U-shaped housing is provided with a base wall and at least four side walls extending generally perpendicular to the base wall to create an enclosed compartment. The enclosed compartment according to the present subject matter includes a thin film resistor disposed in the enclosed compartment of the U-shaped housing, a wiper placed above the thin film resistor in the enclosed compartment for movement along an arc shaped conductive trace carved on the thin film resistor. The present subject matter further discloses that the U-shaped housing is hermetically shielded by a first cover by ultrasonic welding. The first cover is provided with an aperture extending there through the first cover wherein the aperture is covered by a first carrier projected to receive a float arm with a float floating in the fuel tank. The structure is uniquely structured with a provision that the bracket is extended to hold and support the first carrier by means of a hinge along which the float arm moves in the specified portion. The hermetic fuel tank assembly for vehicles according to the present subject matter advantageously facilitates a completely shielded fuel unit assembly that can be implemented in ethanol fuel or a fuel comprising gasoline and ethanol wherein the percentage of ethanol ranges from 25% to 100%. REFER: FIG. 3

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

(22) Date of filing of Application :28/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHODS AND SYSTEMS FOR DISENGAGING A MOBILE DEVICE HOLDER FROM A MOUNTING SURFACE

(51) International classification(31) Priority Document No	:G01D11/30 :NA	(71)Name of Applicant: 1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :B-39, Sector 1, Noida 201 301, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DHALIWAL, Jasbir Singh
(87) International Publication No	: NA	2)TAMMANA, Sankar Uma
(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 methods and systems for disengaging a mobile device holder from a mounting surface in a vehicle. A crash detector detects a crash condition of the vehicle. The crash detector transmits information associated with the crash condition to a processor. The processor generates a signal based on the received information. The processor transmits the signal to a locking unit for automatically disengaging the mobile device holder from the mounting surface, based on the received signal.

No. of Pages: 14 No. of Claims: 8

(21) Application No.201611010670 A

(19) INDIA

(22) Date of filing of Application :29/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: FERTILIZER AND SEED SPREADER (BATTERY OPERATED)

(51) International classification(31) Priority Document No	:A01B49/06 :NA	(71)Name of Applicant : 1)NAVTEJ SINGH
(32) Priority Date	:NA	Address of Applicant :VILL. MALLUDWARA, P.O-
(33) Name of priority country (86) International Application No	:NA :NA	KHOKHAR FOUJIAN, TEHBATALA, DISTTGURDASPUR, PUNJAB - 143518 Punjab India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAVTEJ SINGH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

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

^{1.} A light weight, plastic water sealed container. 2. Easy to cardhandle. 3. Easy to operate with adjustable volume for seeds and fertilizer. 4. It has three working parts motor, spreader fan, fertilizer container. 5. A time saver. Working hours: 10 hrs. 6. Uniform application of seeds an,d fertilizer. 7. It is powered by rechargeable 12v/8AH battery. 8. Container capacity 15-19 kg. 9. Multipurpose operation, seeds/fertilizer diameter is 0-5.5M. 10. Easy to carry in front of the body or back with strap.

(22) Date of filing of Application :24/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: SKIN IMAGE ANALYSIS SOFTWARE FOR SKIN DISEASES

 (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 	:A61B5/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)KALBANDE DHANANJAY Address of Applicant:SARDAR PATEL INSTITUTE OF TECHNOLOGY, MUNSHI NAGAR, ANDHERI (W), MUMBAI 400058, MAHARASHTRA, INDIA. Maharashtra India 2)GHARPURE PRACHI (72)Name of Inventor:
 (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	(72)Name of Inventor: 1)KALBANDE DHANANJAY 2)KHOPKAR UDAY

(57) Abstract:

In India, there are several rural areas where the diseases cannot be diagnosed with the present medical system and or available technology. Patients have to wait for their diagnosis result which may upturn the chances of spreading the affected one. The said invention is an application for the dermatologists practicing in the rural areas who can easily use this system to diagnose the skin diseases. The algorithm is designed to effectively scan and pre-process the various skin disease related image parameters captured by the in-built camera of the mobile handset with proper learning and training of the symptoms to produce the output. On the basis of the different symptoms faced by the patient and the images of the affected area, the application gives the maximum possibility of the skin disease.

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

(22) Date of filing of Application :24/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: STATUS MONITORING APPARATUS FOR REACTOR AND TRANSFORMER (SMART)

 (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 	:H02H 9/02 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Makarand Sudhakar Ballal Address of Applicant: Department of Electrical Engineering, Visvesvaraya National Institute of Technology, Nagpur- 440010. Maharashtra India 2)Gajanan Chirkutrao Jaiswal 3)Hiralal Murlidhar Suryawanshi 4)Dhananjay Ramkrishna Tutakne 5)Prasad Arvind Venikar 6)Akhil Sai P. K. (72)Name of Inventor: 1)Makarand Sudhakar Ballal 2)Gajanan Chirkutrao Jaiswal 3)Hiralal Murlidhar Suryawanshi 4)Dhananjay Ramkrishna Tutakne 5)Prasad Arvind Venikar 6)Akhil Sai P. K.
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(57) Abstract:

Present invention develops a user friendly system titled as Status Monitoring Apparatus for Reactor and Transformer (SMART)^{TMTM} for reactor and transformer. The SMART is an online remote condition monitoring system and it is able to monitor and control the status of the reactor and transformer from remote end. Unmanned sub-station in transmission and distribution sectors can be developed by implementation of such apparatus. SMART is installed at the reactor and transformer, it has an algorithm which monitors the parameter of the reactor and transformer available from different sensors connected to it and calculates the operating condition based on minimum number of available parameter measurements. The parameters and result of calculations are transmitted to the remote end through communication system. According to the operating condition, decision is taken whether to give alarm, maintenance required or trip the transformer. This information is also useful for advancing towards condition based predictive maintenance rather than routine maintenance. The top oil temperature, oil level, load current, voltage level, humming noise and external surveillance by means of camera are taken as inputs to evaluate this invention. Following invention is described in detail with the help of Figure 1 and Figure 2 of sheet 1 showing the functional diagram of SMART for reactor and transformer respectively.

No. of Pages: 28 No. of Claims: 7

(21) Application No.201621006841 A

(19) INDIA

(22) Date of filing of Application :27/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: FOLDING PLATE CUM LUNCH BOX

(51) International classification (31) Priority Document No (32) Priority Date	3/105 :NA :NA	(71)Name of Applicant: 1)Kannan Reddiar Address of Applicant: 201, Saisagar CHS, Dewanman, Manickpur, Vasai (W) Pin 401202 Maharashtra India
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor : 1)Kannan Reddiar
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention consists of a hybrid plate which can be folded into a lunchbox. In the unfolded condition, the said invention can be used as a plate to eat food and the said invention can also be used to carry od as required and the food can be consumed by opening the box which then will assume the shape of a plate. The plate consists of four compartments wherein each compartment can be used to serve different delicacies which eating. Also the plate can be double folded wherein the plate will assume the shape of a triangular sandwich which is actually a container to carry food.

No. of Pages: 7 No. of Claims: 5

(22) Date of filing of Application :27/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: OPERATING MECHANISM FOR COUNTER ASSEMBLY OF CIRCUIT BREAKER

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:H01H 71/74 :NA :NA :NA	(71)Name of Applicant: 1)Larsen & Toubro Limited Address of Applicant: L&T House, Ballard Estate, Mumbai - 400 001, Maharashtra, India Maharashtra India (72)Name of Inventor:
(86) International Application No	:NA :NA	1)Niloy Khatua
Filing Date (87) International Publication No (61) Potent of Addition to Application Number	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Disclosed is an operating mechanism for a counter assembly (100) of a circuit breaker (200). The counter assembly is accessible from a front fascia (160) of the circuit breaker (200). The operating mechanism is operably connected with the main mechanism of the circuit breaker (200). The counter assembly (100) is in operable communication with an indicator assembly (120). The operating mechanism comprises a lever (20), a spring (40), a guiding pin (80) and a connecting link (60) in operable communication with each other. The operating mechanism ensures proper operation and prevents damages of the counter gears of the counter assembly (100). The location of the counter assembly (100) is also standardized. Figure 3

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

(22) Date of filing of Application :12/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : AN IMPROVED METHOD FOR THE PREPARATION OF ALKYLENEDIOXYBENZENE COMPOUNDS

	.C07D	(71) Name of Applicant
(51) International classification	317/46	(71)Name of Applicant : 1)ANTHEA AROMATICS PRIVATE LIMITED
(31) Priority Document No	:NA	Address of Applicant :R-81/82 TTC Industrial Area, Rabale
(32) Priority Date	:NA	MIDC, Navi Mumbai 400701, Maharashtra, India. Maharashtra
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MOHAPATRA, Manoj Kumar
(87) International Publication No	: NA	2)BENDAPUDI, Ramamohanrao
(61) Patent of Addition to Application Number	:NA	3)MENACHERRY, Paul Vincent
Filing Date	:NA	4)PAUL, Vincent
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

This invention relates to an improved method for preparing alkylenedioxybenzene compounds of Formula I, from the corresponding ortho-dihydroxy aromatic compound of Formula II Formula II wherein n is 0, 1, 2 or 3; and R1 and R2 independently represent H, linear or branched C1 C10 alkyl or alkenyl group, cycloalkyl group, halogen selected from Cl, Br, I, nitro (-NO2), alkoxy (-OR) or SR thioether (-SR), wherein R is linear or branched alkyl group comprising C1-C6 carbon atoms.

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

(22) Date of filing of Application :15/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: Organic eco-friendly scented product for the visually impaired •

(51) International classification(31) Priority Document No(32) Priority Date	:A61F 9/08 :NA :NA	(71)Name of Applicant: 1)Jitendra Patel Address of Applicant: 1803, Garden view apt. Royal Palm,
(33) Name of priority country	:NA	Aarey Colony, Goregaon East, Mumbai - 400065, Maharashtra,
(86) International Application No	:PCT//	India Maharashtra India
Filing Date	:01/01/1900	(72)Name of Inventor :
(87) International Publication No	: NA	1)Jitendra Patel
(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 organic eco-friendly scented product, such as but not limiting to colored clay, colored crayons etc., for the visually impaired which enables individuals with a visual handicap to understand and recognize colors by associating each colored product with a generic associated scent. Each colored product comprises of a commonly associated scent to induce a sense of recognition by the visually impaired person of the specific color via a frequently associated smell, such as, but not limiting to, chocolate for the color brown, rose for the color red, mint for the color green etc. This color to smell association aids the visually impaired by enabling a sense of self-reliance and understanding colors without the need for braille or additional help. Furthermore the present invention can be adapted to various multiple applications for the visually impaired such as but not limiting to, colored pencils, water color, acrylic color etc.

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :16/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF MIRABEGRON OR ITS PHARMACEUTICALLY ACCEPTABLE SALTS.

 (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 	:C07D498/14 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)MEHTA API PVT. LTD. Address of Applicant:GUT NO. 546, 571, 519 & 520, VILLAGE KUMBHAVALI, TARAPUR, BOISAR, TALUKA: PALGHAR, DIST. THANE, MAHARASHTRA-401506, INDIA. Maharashtra India (72)Name of Inventor: 1)DR. RAO UWAIS AHMAD KHAN 2)SHRIKRISHNA MOTIRAM APAR 3)MR. MOHAMMED UMAIR SHAIKH 4)CHETAN VINESH PATIL 5)AMIT MANOHAR SONI
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(57) Abstract:

The present invention relates to an improved process for the preparation of Mirabegron of formula (1) or its pharmaceutically acceptable salts thereof. More particularly the present invention is directed to an improved process for preparation of Mirabegron of formula (1) or its pharmaceutically acceptable salts, thereof employing the use of environment friendly solvent and fewer unit operations.

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

(21) Application No.201621009351 A

(19) INDIA

(22) Date of filing of Application :17/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A HIGH SPEED CENTRIFUGAL GRAIN PULVERISER

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:B07B 13/11 :NA :NA :NA	(71)Name of Applicant: 1)MAHENDRA PUKHRAJ JAIN Address of Applicant: Saraswati House, 24/203-204, 2nd Unnat Nagar, Goregaon West, Mumbai Maharashtra India (72)Name of Inventor:
(86) International Application No	:NA	1)MAHENDRA PUKHRAJ JAIN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A high speed centrifugal grain pulverizer for pulverizing grains of multiple fineness comprising a motor assembly having a series commutator motor and a control switch having a plurality of positions and backed up by an overload circuit interrupter, a pulverizing cluster assembly having a fixed pulverizing cluster and a rotary pulverizing cluster, a hopper assembly having a hopper, a diffuser, a cover, and a container having a cover with a vent and a vent plug, the pulverizing cluster assembly formed by an envelope of the fixed pulverizing cluster axially fitting onto the rotary pulverizing cluster so as to form a pulverizing chamber, the pulverizing chamber having a groups of walls and gates of the fixed pulverizing cluster and a groups of walls and gates of the rotary pulverizing cluster occupy place alternately, such arrangement resulting into an array of circular combination spaces between the groups of walls of the fixed pulverizing cluster and the group of walls of the rotary pulverizing cluster, the housing mounted on a plurality of resilient supports, a knob assembled on a shaft of the control switch from the outside of the housing, through a hole in the housing, an outlet of the pulverizing chamber connected to the container through a tube, the vent on the cover sealed and unsealed as required with the vent plug, The high speed centrifugal grain pulverizer delivers coarsely pulverized grains when the series commutator motor is run at low speed and delivers finely pulverized grains when the series commutator motor is run at high speed.

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

(21) Application No.201621008030 A

(19) INDIA

(22) Date of filing of Application :08/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: LOCKING MECHANISM FOR FUSE-LINK

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	9/10 :NA	1)Larsen & Toubro Limited Address of Applicant :Larsen & Toubro Limited L&T House,
(32) Priority Date (33) Name of priority country	:NA :NA	Ballard Estate, P. O. Box: 278, Mumbai 400 001, India Maharashtra India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)Ankita Mehra
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	2)Ganesh Shetye
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

A locking mechanism (100) for a fuse-link (80) is disclosed. The locking mechanism (100) comprises a fuse handle/ fuse puller (60), two extended tags (40), two guide plates (30), two fuse-link tags (20) and a spring (10). The locking mechanism (100) offers advantages of compact size, reduced number of components and usage in lower frame sizes to allow safe insertion and removal of the fuse-link (80) to and from the fuse handle (60). Figure 1

No. of Pages: 14 No. of Claims: 3

(21) Application No.201621008479 A

(19) INDIA

(22) Date of filing of Application :10/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : A METHOD FOR PREVENTING CHEATING IN VISUAL CRYPTOGRAPHY FOR ANTI-PHISHING AND AUTHENTICATION FOR ONLINE TRANSACTIONS

	:G06O	(71)Name of Applicant:
(51) International classification	20/32	1)Rao Jyoti
(31) Priority Document No	:NA	Address of Applicant :L4/202, EMPIRE ESTATE,
(32) Priority Date	:NA	CHINCHWAD, PUNE 411019 MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	2)Patil Vikram
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Rao Jyoti
(61) Patent of Addition to Application Number	:NA	2)Patil Vikram
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A Method for Preventing Cheating in Visual Cryptography for Anti-Phishing and Authentication for Online Transactions The present invention provides a method for preventing cheating in visual cryptography for anti-phishing and authentication. The method includes steps of providing a third party authenticator for authenticating communication between a user device and a server. The method provides additional level of check for verification and authenticates communication between a user and a server. Further, the method authentication communication between a user device and a server used for online financial transactions and for merchant servers. Moreover, the method is reliable and easy to use.

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

(21) Application No.201621001149 A

(19) INDIA

(22) Date of filing of Application :12/01/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A VETERINARY CASTING ARRANGEMENT

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:F16G 11/04 :NA :NA :NA :NA	(71)Name of Applicant: 1)SALUNKHE SONALKUMAR SURESHRAO Address of Applicant :Plot No. B/12, M.I.D.C, Islampur, Taluka Walwa, District Sangli 415409, Maharashtra, India Maharashtra India 2)SALUNKHE KUNAL SURESHRAO
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SALUNKHE SONALKUMAR SURESHRAO
(61) Patent of Addition to Application Number	:NA	2)SALUNKHE KUNAL SURESHRAO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure envisages a veterinary casting arrangement. The arrangement comprises a base structure. A support structure is angularly displaceably mounted on the base structure, wherein the support structure is defined by an operative horizontal elongate element and an operative vertical elongate element. The arrangement also includes a driving means to angularly displace the support structure between a first operative position in which the animal is secured to the operative vertical elongate element and a second operative position in which the secured animal is held in a casted position. Tethering means are configured on the operative vertical elongate element for securing the animal thereto. Fig.1

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

(21) Application No.201621001288 A

(19) INDIA

(22) Date of filing of Application :13/01/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: AGITATOR DRIVE ASSEMBLY

(51) International classification	·B01I19/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Amin Sudarshan Purshottamdas
(32) Priority Date	:NA	Address of Applicant :S.No. 881, 882/1+2, 882/3+1, 882/3+2,
(33) Name of priority country	:NA	883, 885, Near New Water Tank of G.I.D.C. Phase-IV, At.
(86) International Application No	:NA	Karamsad, Ta. & Di. Anand -388325, Gujarat, India. Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Amin Sudarshan Purshottamdas
(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 agitator drive assembly (1) for agitating liquid contained in reactor (8) comprises drive unit (2) being secured through tripodal lantern housing (3) on outer body of said reactor (8). Said lantern housing (3) comprises a gear box mounting base plate (3a) on its top side for detachably holding motor driven reduction gear box (10), a bearing housing base plate (3b) for removably supporting bearing housing (6) and a drive stool base plate (3c) for removably supporting dynamic mechanical seal (5) through adaptor plate (13). A drive shaft (11) is extended from reduction gear box (10) and is detachably connected with agitator draft (12) through split coupling (7) having hanger (12a) to enable maintenance of bearings and seal without replacing gear and agitators. Said seal assembly (5) and bearing housing (6) are removed and replaced by sliding it along the length of shaft (12).

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :10/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : A SYSTEM AND METHOD OF MICRO-DRILLING WITH MICROWAVES THROUGH METALLIC CONCENTRATOR.

(51) International classification :A61B1 (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 Filing Date :NA	(71)Name of Applicant: 1)THE SECRETARY, DEPARTMENT OF ATOMIC ENERGY Address of Applicant: Govt. of India, Anushakti Bhavan, Chatrapati Shivaji Maharaj Marg, Mumbai -400001, Maharashtra, India. Maharashtra India 2)INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE (72)Name of Inventor: 1)Apurbba Kumar Sharma 2)Shantanu Das 3)Rajesh Kumar 4)Nitin Kumar Lautre 5)Tito John George 6)Pradeep Kumar
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(57) Abstract:

The present invention discloses a system and a method for making micro-holes/cavity in workpiece/ objects ranging from soft polymer based materials like PMMA (polymethylmethacrylate) to hard materials like glasses and ceramics using microwave generated plasma as a source of energy. The microwave drilling arrangement of the present invention comprises an enclosed microwave cavity with an electromagnetic source to provide microwave in said cavity and at least one metallic concentrator drilling tool with a pointed drill end for creating concentrated electromagnetic field upon exposure to microwave irradiation which generate plasma for localized melting of a workpiece material and thereby material ablation on the workpiece to thus drill hole in the workpiece.

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

(22) Date of filing of Application :06/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A SOLAR OPERATED FENCE ENERGIZER

 (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 	:NA :NA :NA :NA :NA : NA : NA	(71)Name of Applicant: 1)Patel Manish Vallabhbhai Address of Applicant: 7, Surohi Park - 2, Kunj Mall Road, Nikol - Naroda Road, Nava Nikol, Ahmedabad - 382350, Gujarat, India Gujarat India (72)Name of Inventor: 1)Patel Manish Vallabhbhai
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The present invention relates to a solar operated fence energizer comprises a circuit of a solar fence energizer includes a solar panel (1), a battery (2) to give supply of power, a power input card (3) to charge battery from solar panel (1) DC output voltage with auto charge disconnection, a voltage booster card (4) to generate high voltage pulses, a step-up transformer (5) for power distribution, a current transformer (6) to reduce high voltage current, a sensor card (7) to sense pulses generated from the main transformer and LEDs indicators (8). The present invention comprises power function switch (20) to work at low conductivity for dry skin animals with same generated voltage in fence at normal conductivity. It also comprises a switching circuit (14) to connect and disconnect load by automatic/manual to work in the absent of sunlight. Also, the present invention provides a long battery life.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :04/01/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: HINGED PARTITION FOR SEGREGATION OF SWITCHBOARD

 (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 	:H04L9/00 :NA :NA :NA :NA :NA : NA : NA	(71)Name of Applicant: 1)Larsen & Toubro Limited Address of Applicant: L&T House, Ballard Estate, P.O. Box No. 278, Mumbai 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor: 1)SHRIVASTAVA, Gunjan R.
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Embodiments of the present disclosure relate to hinged partition for segregation of switchboard. In an aspect the disclosed partition overcomes deficiencies of the conventional partitions wherein, it provides solution of partition to achieve the desired form but with minimal hardware fixing along with the flexibility to a user to access the desired area at a time without disturbing the other partitions. This reduces the assembly time of partitions in the switchboard since it is easy to assemble as well as disassemble besides providing aesthetically looks on account of reduced hardware required for fixing.

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

(21) Application No.201621004952 A

(19) INDIA

(22) Date of filing of Application :12/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR ELECTRICITY GENERATION USING WATER AND DEVICE THEREOF.

(51) International classification	:F02C (71)Name of Applicant : 6/00 1)INDRADEEP KUMAR
(31) Priority Document No	:NA Address of Applicant :JEMINI VILLA, NEAR DURGA
(32) Priority Date	:NA MANDIR, NEW SHANTI NAGAR, RAIPUR,
(33) Name of priority country	:NA CHHATTISGARH-492007, INDIA. Maharashtra India
(86) International Application No	:NA (72)Name of Inventor :
Filing Date	:NA 1)INDRADEEP 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
(FEN A1	

(57) Abstract:

This invention deals with a new technology by which water can be used as a fuel. Water can be used as a fuel in the form of Browns Gas, so we have a plan to produce a Generator which works on Browns Gas which is obtained by the electrolysis of water. This method increases the oxygen content in the atmosphere, which helps to solve environment degradation.

(21) Application No.201621004987 A

(19) INDIA

(22) Date of filing of Application :12/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR LOCATION BASED PARKING SYSTEM

	G0.6020./02	(71) N
(51) International classification	:G06Q30/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Ashish Shah
(32) Priority Date	:NA	Address of Applicant :404, RAHIRAJ ELITE, NR
(33) Name of priority country	:NA	SUNDARAM FLATS, JAWAHARNAGAR SOCIETY ,VASNA,
(86) International Application No	:NA	AHMEDABAD 380007 Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Ashish Shah
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Provided herein are methods and systems relating to outputting location based information on a mobile device, providing location based consumer information within or outside a user defined radius and tailoring information basis the past behavior or chosen interests of the user for the express purposes of locating public or private parking spaces near to predefined Categories and Points of Interests to the consumer.

(22) Date of filing of Application :01/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: ROBOTIC CONTROLLER WITH MULTIPLE AXIS MOTION CONTROL

(51) International classification (51) Priority Document No (32) Priority Date (33) Name of priority country :NA	Address of Applicant :Tal Manufacturing Solutions Ltd. A TATA Enterprise TATA Motors Campus Chinchwad Pune
(86) International Application No :NA	(72)Name of Inventor:
Filing Date :NA (87) 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)KALEKAR, Vijay K

(57) Abstract:

A robotic controller 100 is to control motion of a robotic system in a plurality of axis is presented. The robotic controller includes a central processing unit (CPU) (102) and a control unit (104). The CPU provides intelligence for controlling the robotic system to the control unit (104). The CPU has an embedded kinematic module 106 that provides a prediction model of geospatial reference variables of each linkage of the robotic system. The control unit (104) is coupled to the CPU (102). The control unit (104) comprises a first motion control module (108) for controlling internal linkages of the robotic system, a second motion control module (110) for controlling external linkages, and a communication module (118) to establish communication with a plurality of peripheral device coupled to the robotic system. The prediction model is fed to the control unit in real-time.

(22) Date of filing of Application :02/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: SYSTEM AND METHOD FOR COMPRESSION AND DECOMPRESSION OF TEXT DATA

(51) International classification	·G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centre for Development of Advanced Computing (C-DAC)
(32) Priority Date	:NA	Address of Applicant :Pune University Campus, Ganeshkhind,
(33) Name of priority country	:NA	Pune - 411007 Maharashtra, India Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KULKARNI, Mahesh Dattatray
(87) International Publication No	: NA	2)LOHOKARE, Ajay Sharadchandra
(61) Patent of Addition to Application Number	:NA	3)VITHALKAR, Umesh Hareshwar
Filing Date	:NA	4)BELHE, Swapnil Dnyaneshwar
(62) Divisional to Application Number	:NA	5)PACHE, Vinodkumar Tejlal
Filing Date	:NA	

(57) Abstract:

The present disclosure relates to system(s) and method(s) for compression and decompression of Unicode characters. The system is configured to maintain a set of character tables and a cluster table in a memory. Each character table is configured to store a set of Unicode characters corresponding to a character class of a set of characters classes, wherein each Unicode character from the character table is assigned with a shortened bit representation. Furthermore, the cluster table may be configured to maintain a set of cluster types and a cluster identifier corresponding to each of the cluster type. The system is configured to compress text data in Unicode format using the set of character tables and the cluster table by identifying the different clusters in each word and replacing the clusters with cluster identifier followed by the shorten bit representation of characters in each cluster.

(21) Application No.201621007551 A

(19) INDIA

(22) Date of filing of Application :03/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: TEA PROCESSING MACHINE FOR MANUFACTURING TEA GRANULES FROM TEA LEAVES

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:A23L 1/212 :NA :NA :NA	(71)Name of Applicant: 1)KAMAL KUMAR NANUBHAI VYAS Address of Applicant:504, DOLAKIYA APARTMENTS, MAHAKALI CAVES ROAD, ANDHERI (EAST), MUMBAI- 400 093, MAHARASHTRA, INDIA Maharashtra India
(86) International Application No Filing Date	:NA :NA :NA	(72)Name of Inventor: 1)KAMAL KUMAR NANUBHAI VYAS
(87) International Publication No(61) Patent of Addition to Application Number Filing Date	: NA :NA :NA	2)BHAVESH VYAS
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A tea processing machine for manufacturing tea granules from tea leaves comprises of a centrally mounted rotor shaft (1) supported on a ball bearing (2) at bottom and a roller bearing (3) at the top and a circular body (4) having a plurality of adjustable rotor blades (5). The rotor blades are placed in space-apart relationship with rotor adjustable discs (6). The rotor shaft is provided with a lower fan (7) at the bottom end.

(22) Date of filing of Application :04/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: DETACHABLE TOP FRAME ASSEMBLY FOR SWITCHBOARD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	1/01 :NA :NA :NA :NA :NA	 (71)Name of Applicant: 1)Larsen & Toubro Limited Address of Applicant: L&T House, Ballard Estate, P.O. Box No. 278, Mumbai 400 001, Maharashtra, India. Maharashtra India (72)Name of Inventor: 1)VISHWAKARMA, Sanjeet C.
(87) International Publication 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 top frame for skeleton/shell of an electrical switchboard enclosure. The constituent members of the top frame such as side members for left side and right side, and one or more cross-members linking the front and rear members can be individually dismantled and thereafter the front and rear members can be separated from the vertical pillar members. The side members are detachably attached to the front and rear members through corner link plates that are fixed at ends of the front / rear members. The side members incorporate common link plates at their two ends for detachable engagement with the corner link plates of the front/rear members by means of threaded fasteners. The cross member also incorporates common link plates at its two ends for detachable engagement with common link plates fixed on the front/rear members.

(22) Date of filing of Application :07/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A METHOD FOR DATA COMMUNICATION OVER WIRELESS VOICE CHANNELS

 (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) Potent of Addition to Application Number 	4/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)AKHILESH SONI Address of Applicant: E-11/2, CHAR IMLI, BHOPAL 462016 MADHYA PRADESH INDIA Madhya Pradesh India 2)DR.K.M.NISANTH NAMBISAN (72)Name of Inventor: 1)AKHILESH SONI 2)DR.K.M.NISANTH NAMBISAN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Present invention relates to a method for data communication over wireless voice channels wherein data is encoded into these signals which remains detectable even when sent over the voice channel with or without voice CODEC which manipulates the signals to suit its transmission parameters in real time. More particularly, the present invention provides a method for data communication over wireless voice channels, said method comprising, formation of predefined groups of symbols wherein each group contains multiple symbols; and each group represents an optimal solution, in terms of detectability by classification algorithms at receiving end, which is defined by its objective function; transmission of data stream by transmitting unit, by breaking into groups of data bits, wherein for each group of the data bits, one of the symbol from the predefined symbol groups is transmitted; and reception of data at receiver end by a classifier.

(22) Date of filing of Application :17/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : A SEISMIC RESISTANT REINFORCEMENT STEEL AND A PROCESS FOR PRODUCING THE SAME.

	·F04G	(71)Name of Applicant:
(51) International classification	23/02	1)JSW STEEL LIMITED
(31) Priority Document No	:NA	Address of Applicant :JSW CENTRE, BANDRA KURLA
(32) Priority Date	:NA	COMPLEX, BANDRA(EAST), MUMBAI-400051,
(33) Name of priority country	:NA	MAHARASHTRA,INDIA. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MANJINI, Dr. Sambandam
(87) International Publication No	: NA	2)CHAKRADHAR, Injeti
(61) Patent of Addition to Application Number	:NA	3)KUMAR, Shashi
Filing Date	:NA	4)PURI, Rajesh
(62) Divisional to Application Number	:NA	5)RAI, Umesh
Filing Date	:NA	

(57) Abstract:

The present invention is directed to provide a seismic resistant reinforcement steel and a process for producing the same. The seismic resistant steel according to the present invention are intended for reinforcement of concrete structures produced in the form of bars, coil and wires etc. for advantageous use as seismic resistant reinforcement steel in reinforced concrete structures. The process to produce the steel grade involves a combination of precipitation strengthening using Vanadium to form vanadium nitrides, vanadium carbides and low water rolling with predominantly air cooling for developing a high strength uniform ferritic-pearlitic structure thereby increasing the plastic deformation before failure. The seismic resistant steel grade is having selective micro alloying elements in chemical composition to achieve desired partial tempered martensite on rib surface and uniform ferritic-pearlitic structure in the rod, and enhanced Ultimate Tensile Strength (UTS) to Yield Strength (YS) ratio of more than 1.25, having greater energy absorption capability before failure.

(21) Application No.166/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :16/01/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: NEW DRAINAGE SYSTEM.

(51) International classification (31) Priority Document No	1/00 :NA	(71)Name of Applicant: 1)ANIL KUSHWAH Address of Applicant:BLDG. NO.1, ROOM NO.305,
(32) Priority Date	:NA	SARVODAYA GALAXY, NEAR KOPAR RAILWAY
(33) Name of priority country	:NA	STATION, DOMBIVALI (W) - 421201, MAHARASHTRA,
(86) International Application No	:NA	INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA :NA	1)ANIL KUSHWAH
(61) Patent of Addition to Application Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In today's modern world. We are less care about our home drainage system, foul smell & insects coming inside bathroom in the night or when no flow of water from long time or when we are out of home for long time. Presently in market, drainage system available in two or three parts, we have to assemble these parts carefully, if any gap present in assembly it will cause water leakage to others home in building or row houses. To avoid this foul smell & insects coming to our home in our absence, new hydraulic operated drainage system is very useful. No insects or smell coming to home when we are out. Easy for installation as it comes incomplete one piece assembly & we can add tapings to this system. Also there is no need of professional civil technician for installation.

(21) Application No.201621009606 A

(19) INDIA

(22) Date of filing of Application :18/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A PORTABLE DEVICE FOR MASSAGE

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	39/04 :NA :NA :NA	(71)Name of Applicant: 1)Uma Innovative Manufacturing Company Address of Applicant: On Bavla - Bagodara Highway, Near - Savasthi Jain Temple, Opp. Ramnagar Patiya, Ahmedabad 382220 Gujarat, India Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Patel Baldevbhai Ramanlal
(87) International Publication 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 portable device for massage (20). The present invention discloses dual means for massage through vibration and oil rubbing. The device mainly comprises a gear mounting plate (3) along with shafts (4-5), motor (1), motor gear (7), cycle gear (6), first bewel gear (15), bracket (8) along with actuator (9) and quarter pin joint (18), second bewel gear (16), vibrating plate (13) along with vibrating knobs (12), oil rubbing plate (14), crank pin (11) and bearing (10). This device (20) is operated on DC current which makes it suitable for usage in vehicles. This device (20) provides relief through vibration and oil rubbing at any part of body based on inception of pain. This device (20) provides advantages like portable, self operated, versatile, dual means for massage (i.e. vibration and rubbing), economical, durable and light weight etc.

(22) Date of filing of Application :19/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: TABLE TOP OIL EXTRACTING MACHINE

(51) International classification :B30B9. (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)SURESH KUMAR.M.S (ASSISTANT PROFESSOR(SELECTION GRADE)) Address of Applicant: DEPARTMENT OF MECHANICAL ENGINEERING, SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, NGGO COLONY POST, COIMBATORE 641 022, Tamil Nadu India 2)ASHWANTH.B 3)BALAJI.P 4)GURUPRASAAD.M (72)Name of Inventor: 1)SURESH KUMAR.M.S (ASSISTANT PROFESSOR(SELECTION GRADE)) 2)ASHWANTH.B 3)BALAJI.P 4)GURUPRASAD.M
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(57) Abstract:

The major cooking oils used in cuisines are coconut oil sesame oil and ground nut oil. These oils are commercially extracted by the expeller press process or chemical extraction process and are exposed to high temperature and exposed to interact with hexane. They are also subjected to adulteration. Thus the resulting oil lacks in unsaturated fats and good cholesterol that are good for health. When the oil is prepared by traditional Ghani method it retains the unsaturated fats and good cholesterol that are good for the health. Such oil have lot of medicinal values. Temperatures evolved during the process is very less compared to the temperature evolved during expeller process. The product developed in this project works on the basis of Ghani extraction method. Traditional Ghanis are large in size and are driven by animals. The developed product is a compact table top oil extractor that is suitable for house hold usage. The oil is extracted by crushing the kernel between wooden base and stone rollers just like in traditional Ghani method of extraction. The drum is powered by a single phase induction motor and power is transmitted using a V-Belt drive. The stone rollers are fastened by a mechanism that provides necessary crushing force to crush the kernel between wooden base and stone rollers. The extracted oil is collected at the bottom in a reservoir. The product thus facilitates extraction of clean cooking oil at house holds.

(22) Date of filing of Application :19/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: BIODEGRADABLE AND BIOCOMPATIBLE IMPLANTS AND METHODS THEREOF

(51) International classification	:C08L67/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SANTOSH KUMAR MALYALA
(32) Priority Date	:NA	Address of Applicant :H No: 5-99, Pakhal Road, Narsampet,
(33) Name of priority country	:NA	Dist Warangal, Telangana-506132, India. Telangana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANTOSH KUMAR MALYALA
(87) International Publication No	: NA	2)Dr. Y. RAVI KUMAR
(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 biodegradable and biocompatible implants and methods thereof. The implants are made of a polymer blend that comprises of a blend of polylactic acid and two or more of a polyester selected from the following group: linear polyhydroxy alkanoate (PHA), polybutylene succinate (PBS), polybutylene succinate adipate (PBSA), polycaprolactone (PCL), polybutylene adipate (PBA) and polycarbonate (PC). The polylactic acid ranges from about 64% to about 99% by weight and the polyester ranges from about 1% to about 36% by weight. The present invention further discloses methods of making the implants by using three dimensional printing methods.

(22) Date of filing of Application :21/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : SPRING LOADED WATER TANK FOR CONSTANT FLOW RATE AND FOR ADDITIONAL ENERGY STORAGE

(51) International classification	:F03G1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SETHURAMAN BARANIDHARAN
(32) Priority Date	:NA	Address of Applicant :5/2,18TH CROSS, KUBERA
(33) Name of priority country	:NA	SAMPATH MALLESHWARAM, BENGALURU 560 055,
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SETHURAMAN BARANIDHARAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A method and design is proposed to store potential energy in water tanks by using a vertically movable support platform for the tanks and that platform further supported by heavy duty metallic springs or other elastic compressible structures. As an additional benefit, the flow rate of water is self-regulated, constant and predictable.

(22) Date of filing of Application :21/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: ECO FRIENDLY REFRIGERATOR WITH ZERO REFRIGERANT

 (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 	:F24F3/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)M.S.SURESHKUMAR (ASST. PROFESSOR SL.GRADE) Address of Applicant: SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAI PALAYAM, NGGO COLONY POST, COIMBATORE - 641 022, Tamil Nadu India 2)S.V.THIRIVIKRAMAN 3)K.SARAVANA KUMAR 4)R.B.VINNOTH (72)Name of Inventor: 1)M.S.SURESHKUMAR (ASST. PROFESSOR SL.GRADE) 2)S.V.THIRIVIKRAMAN 3)K.SARAVANA KUMAR 4)R.B.VINNOTH
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(57) Abstract:

Due to the adverse effect of refrigerants used in the refrigerator, the environment is still getting polluted day by day. The conventional refrigerants depleting the Ozone layer by the emission of Chloro Fluro Carbons. With the intention of zeroing the pollutants, the existing technology called evaporative cooling by Zeer pot system has been adopted. The Zeer pot system has a major disadvantage is that the surrounding air gets saturated at a point of time and the heat removal rate ceases. So the air has to be changed accordingly and maintained with a low relative humidity around the system continuously. The aim of the project is to produce positive impact on the environment by zeroing the pollutants produced by the convectional refrigerants. For that, The existing system called ZEER POT COOLING is adopted. There are some modification involves in the porosity and designing the pot to make it as a compact type fridge in terms of aesthetic aspects. To increase the rate of evaporation around the Zeer pot, the dry air is passed with low relative humidity. The dry air is produced by means of Peltier dehumidifier. The Peltier dehumidifier sucks the atmospheric air from the surrounding. Initially the atmospheric air comes in contact with the cold side heat sink. The cold side heat sink which is having temperature lower than the dew point temperature of the air condenses the water molecules present in it. The air becomes dehumidified to some extent. After that, the dehumidified air comes in contact with the hot side heat sink. The hot side heat sink increases the temperature of the dehumidified air and increases the dryness factor. The resultant air becomes heated and dehumidified. This dry air was passed over the surface of the Zeer pot system which ultimately increases the evaporation rate. This process continues till the power supply is given to the Peltier dehumidifier.

(22) Date of filing of Application :29/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: A NOVEL HERBAL COMPOSITION FOR TREATING ALLERGIC DISEASES

	:H04Q	(71)Name of Applicant:
(51) International classification	3/00 C07K	1)Sampige Tontadarya Asha
	14/00	Address of Applicant :No. 394 Sampige, 77th Main, 5th
(31) Priority Document No	:NA	Cross, RPC Layout, Bangalore-560104 Karnataka India
(32) Priority Date	:NA	2)Mathad Shivamurthiah Arun
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Mathad Shivamurthiah Arun
Filing Date	:NA	2)Sampige Tontadarya Asha
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Included in the complete specification uploaded

(22) Date of filing of Application :14/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : STARCH GLUTAMATE BASED FAST DISSOLVING FORMULATIONS FOR IMMEDIATE RELEASE AND ENHANCED DISSOLUTION RATE OF ACTIVE PHARMACEUTICAL INGREDIENTS

(51) International classification	:A61K9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR.R.SANTHOSH KUMAR
(32) Priority Date	:NA	Address of Applicant :GITAM INSTITUTE OF
(33) Name of priority country	:NA	PHARMACY, GITAM UNIVERSITY, RUSHIKONDA,
(86) International Application No	:NA	VISAKHAPATNAM - 530 045, Andhra Pradesh India
Filing Date	:NA	2)A.SURESH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR.R.SANTHOSH KUMAR
Filing Date	:NA	2)A.SURESH
(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 glutamate, a modified starch and novel fast dissolving systems employing starch glutamate for obtaining immediate release of active pharmaceutical ingredients (APIs) and enhanced dissolution rate. The starch glutamate, novel superdisintegrant is suitable for producing fast dissolving systems of large number of APIs with enhanced dissolution rate and dissolution efficiency within 5 minutes. In the new fast dissolving systems an active ingredient is present composed of starch glutamate with additives such as diluents and directly compressible vehicle. The fast dissolving systems are in the form of compressed tablets as a platform technology for immediate release of APIs belonging to different chemical and pharmacologic categories which require immediate release formulation. The fast dissolving systems employing starch glutamate are suitable for immediate release of several APIs.

(21) Application No.5103/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :10/04/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : CLOUD BASED INTERACTIVE ACADEMIC SYLLABUS LEARNING SYSTEM AND METHODS EMPLOYED THEREOF

 (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 	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)VIJAY MEHRA Address of Applicant: C/o. Eukti Learning Solutions, 4th Floor, ASK Towers, AECS Layout, Whitefield, Bangalore- 560037, Karnataka, India. Karnataka India (72)Name of Inventor: 1)VIJAY MEHRA 2)ARIJIT CHATTERJI
(61) Patent of Addition to Application Number	:NA	2)ARIJIT CHATTERJI
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a cloud based interactive academic syllabus learning system and methods employed thereof. The system includes a cloud based data repository unit configured to store a plurality learning contents, whereby a resources collecting module configured to collect the plurality of learning contents. The system further includes a network device, a customized data creation system and a personalized data creation system. The network device configured to access the cloud based data repository unit by a user. The customized data creation system configured to create a plurality of customized learning contents from the resources collecting module in the network device. The personalized data creation system configured to personalize a plurality of new contents from the resources collecting module in the network device.

(21) Application No.6155/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :16/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DESALINATION OF SEA WATER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:C02F1/00 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)R.S.GOPINATH Address of Applicant:30/53, KALAIMAGAL NAGAR, II MAIN ROAD, EKKADUTHANGAL, CHENNAI - 600 032, Tamil Nadu India (72)Name of Inventor:
(87) International Publication No(61) Patent of Addition to Application Number Filing Date(62) Divisional to Application Number	: NA :NA :NA :NA	1)R.S.GOPINATH
Filing Date	:NA	

(57) Abstract:

Crystal Technology for Desalination of Sea Water With Zero Liquid Discharge Abstract A simple and novel method for desalination of sea water is foreseen using Crystal Technology. Briefly, Crystal Technology involves mixing sea water with water adsorbing chemicals and cooling close to 15°C when hydrated crystals are formed. During the formation of the crystal hydrate, it adsorbs only water molecules from sea water, leaving behind rest of all the salts in the mother liquor. The hydrated crystals are heated when water of crystallisation is released which on further heating in forced circulation evaporator, pure desalted water is obtained, containing negligible dissolved salts. On further evaporation of the mother liquor, the additives gets crystallised out, which are centrifuged and recycled in the system. The water stream left out after removing additives, on further evaporation yields more quantities of desalted water which are collected and kept in storage tanks. The uncrystallised liquor obtained in the crystalliser is sent to evaporators or solar ponds for recovering sodium chloride and other salts. Thus all components of sea water are separated and recovered and no liquid pollutant is discharged into the sea or to the environment, realising zero liquid discharge (ZLD) process. The same process can be modified for treating brackish water, Municipal waste waters and any type of industrial pollutant waters with similar results.

(21) Application No.201643013568 A

(19) INDIA

(22) Date of filing of Application: 19/04/2016 (43) Publication Date: 29/04/2016

(54) Title of the invention : SYSTEM FOR PLUG-IN TYPE DETACHABLE CONSTANT CURRENT DRIVER ADAPTOR FOR LED TUBE LIGHTS FOR DIFFERENT TYPES OF FIXING OR INSTALLATION

(51) International classification	:F21V29/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KRISHNA RAVI
(32) Priority Date	:NA	Address of Applicant :C/o Reckon Green Innovations Private
(33) Name of priority country	:NA	Limited, Villa # 45, THE TRIALS, Beside Harivillu, Pokkalwada
(86) International Application No	:NA	Village, Manikonda, Hyderabad-500089, Telangana, India.
Filing Date	:NA	Telangana India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:3428/CHE/2015	1)KRISHNA RAVI
Filed on	:01/01/1900	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a system for plug-in type detachable constant current driver adaptor for LED tube lights for different types of fixing. The system includes a light emitting diode (LED) printed circuit board (PCB), a plurality of surface-mounted-device (SMD) light - emitting diodes (LED), a polycarbonate (PC) diffuser and at least two end caps with G13 male pins, the polycarbonate (PC) diffuser cover further comprising an aluminum heat sink. The aluminum heat sink placed at the back side of the light emitting diode (LED) tube body and which further comprising a conduit at the back side of the light emitting diode (LED). Detachable driver end cap housing comprises at least two G13 female socket, a wire hole and at least two fixings crews, further coupled to the aluminum heat sink. A power supply wire passes through a wire hole from a driver housing, passing through the inner end caps and finally through the conduit in the aluminum heat sink in a concealed manner from normal vision to improve aesthetics and protect the wire. The detachable driver end cap housing used for retrofitting and wall mounting: and hanging installations with built in common driver suitable for the common light emitting diode (LED) tube, The detachable driver housing end cap will also be used installing sensors, battery backup, dimming and automatic ambient light adjustment. A low cost plastic accessory to convert a retrofit LED tube light into wall mounting: and hanging fixtures.

(21) Application No.201641005099 A

(19) INDIA

(22) Date of filing of Application :13/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention : MULTI AXIS OSCILLATING PENDULUM POWER GENERATION FROM OCEAN WAVES AND STREAM WATER

(51) International classification (31) Priority Document No	:F03B 13/00 :NA :NA	(71)Name of Applicant: 1)A. Jesu Antony Maria Sugan Address of Applicant: No:22, Shanthi Nagar 11th Street, Polysophottoi, Timpolyali, Tomil Nadu, 627002 Tomil Nadu
(32) Priority Date(33) Name of priority country(86) International Application No	:NA :NA :PCT//	Palayamkottai, Tirunelveli, Tamil Nadu - 627002 Tamil Nadu India (72)Name of Inventor:
Filing Date (87) International Publication No	:01/01/1900 : NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

ABSTRACT MULTI AXIS OSCILLATING PENDULUM POWER GENERATION FROM OCEAN WAVES AND STREAM WATER A novel method to generate power (electrical energy) from wave motion on a body of water and stream water by a multi axis oscillating pendulum is disclosed. An apparatus for converting the wave motion of a water body into electrical energy is provided which utilizes the roll and pitch of the water body to produce electrical energy. This apparatus uses wave energy to continuously swing the pendulum. The same mechanism is used to produce electrical energy from stream water with minor modifications. Senthil Kumar B Agent for the applicant IN/PA-1549

(21) Application No.1650/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :14/04/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : A UNIQUE NIGHT LAMP, DINNER TWILIGHT, MEDITATION LAMP, AND RELAXATION LIGHT ETC.

(51) International classification	:B60D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)APU DAS
(32) Priority Date	:NA	Address of Applicant :10-3-74, East Maredpally, Maredpally,
(33) Name of priority country	:NA	Nehru Nagar, Hyderabad-500026, Telangana, India. Telangana
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)APU DAS
(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 is directed towards Reflective portable lighting device that consists of a light head (1) that is connected through (3) a ball & Socket Joint or a Double Swiveling Pivot with suitable electric connections or semi rigid connecting cord to a (2) plug which is inserted into a wall socket; and that is used to direct the light head towards any portion of the ceiling or upper walls causing a bright spot to appear on the ceiling or upper walls thereby such bright source of light illuminates entire room with diffuse acting as reflected light of suitable required intensity.

(22) Date of filing of Application :30/03/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: SMART SOUTH INDIAN AUTOMATIC DISH PLATTER

(51) International classification	:A47J27/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)G.GEETHA
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 4, F2, VIJAYALAKSHMI
(33) Name of priority country	:NA	FLATS, PARTHASARATHY 3RD STREET,
(86) International Application No	:NA	NANMANGALAM, CHENNAI - 600 117, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)G.GEETHA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
 (86) International Application No 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	NANMANGALAM, CHENNAI - 600 117, Tamil Nadu India (72)Name of Inventor:

(57) Abstract:

Healthy eating is a challenge in this modern era. Often problems center around underlying health conditions. Especially the elderly faces the problem of fulfilling their culinary needs on a hygienic and conditional environment compliant to their health conditions. Current models only post process to any one of the South Indian platter and it caters the needs on a large scale for an industry. The proposed Smart South Indian Automatic Dish Platter system serves as a smart solution serving a variety of South Indian platter which comprises of the following major sub-sections: 1. Storage area 2. Mixing and Soaking 3. Grinding and storing 4. Heating, streaming and serving 5.Programmable Logic Controller(PLC).Storage Weigher serves as storage bin with measure of the stored ingredient sensed and dispensed through integrated weighing sensor. Mixer Feeder subsystem feeds to the mixer assembly flow monitored and controlled through flow sensor hooked up to the PLC. Water reservoir provides water for washing ingredients, soaking, grainding and mixing based on PLC. Concentrator Assembly Subsystem serves dual purpose of stirring the mixed ingredient and concentrating the mixer for proper viscosity and consistency. Refrigerator to maintain batter in a proper fermentation level refregeration is done. Vibrator Dispenser sub-system dispenses to the shaper system and the vibrator ensure all the contents are delivered to the shaper and hot plate to create the right shape for steaming and heating. Hot Plate as the name indicates cooks the content with the temperature controlled and regulated through the PLC. Steam Engine feeds the fuel (steam) through the nozzles for cooking, the pressure of delivery and flow regulated by the PLC controller.PLC Micro Controller is a programmable logic controller (PLC) is an industrial computer control system that continuously monitors the state of automatic dish platter system and makes decisions based upon a program to control the state of automatic dish platter system. It aims to have separate compartments for storing the ingredients and to prepare the food based on the number required. The key feature is to have instant batter preparation and preparation of the desired platter. The user receives south indian dish platter idly instantly by operating automatic south indian dish platter. This system prepares instant idly, vadai, idiaappam, adai and dosa using the batter which prepared automatically with raw ingredients for home and operate the platter remotely from any where. This Smart South Indian Automatic Dish Platter will be a solution not only to the elderly but also for the fast pace life of younger generation. The product aims to improve the quality of life on the whole.

(22) Date of filing of Application :04/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: NYLON 12 PA2200 FABRICATED BONE IMMOBILIZER USING RAPID PROTOTYPING

 (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 	:A61B17/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)GOPU GOVINDASAMY (PROF & HEAD) Address of Applicant: SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAI PALAYAM, NGGO COLONY POST, COIMBATORE - 641 022. Tamil Nadu India 2)NIVEDHA BALAKRISHNAN 3)SARANYA SURESHKUMAR 4)SUVITHA SUBRAMANIAM (72)Name of Inventor: 1)GOPU GOVINDASAMY (PROF & HEAD) 2)NIVEDHA BALAKRISHNAN 3)SARANYA SURESHKUMAR 4)SUVITHA SUBRAMANIAM
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(57) Abstract:

Bone Fracture is the condition that causes injury to the bone that ranges from minor cracks to complete breakage. This clauses damages to the nearby tissues which results in swelling and blood clots in the fracture site. In response to this bone injury natural physiological process of healing gets activated and causes growth of new bone tissues. In order to facilitate natural healing process the position of the bone should be stabilized which can be done with the help of Bone Immobilizer. This project comprehends the concept of using bone immobilizer made of nylon with enhanced features for healing of fractures involving Solidworks software designing, material casting and rapid prototyping. The design consists of a model for whole hand which can be segmented according to the requirement of patient assisted by a physician, 3D mode) of the immobilizer can be modified according to the patients requirements and by loading the corresponding CAD file into the rapid prototyping machine the resultant immobilizer can be obtained. After post processing the 3D printed bone immobilizer can be used by the patient is made available with a minimum period of time.

(21) Application No.201641011810 A

(19) INDIA

(22) Date of filing of Application :04/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: AUTOMATIC GAS STOVE KNOB CONTROL

(51) International classification	:F24C7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAIDU SHAMEER
(32) Priority Date	:NA	Address of Applicant :THATTUPARAMBIL HOUSE,
(33) Name of priority country	:NA	CHERUVATTOOR PO, KOTHAMANGALAM,
(86) International Application No	:NA	ERANAKULAM, Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SAIDU SHAMEER
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Automatic gas stove knob control configured to regulate the gas supply to a gas stove, including shutting off the supply entirely after a pre-set time frame, wherein said time frame may be set manually by the user. It also proposes a means to dynamically vary the gas supply to the stove based on the temperature requirements of a recipe chosen by the user. The invention also provides a means to turn off the gas supply should the flame go out accidentally owing to external factors, or if the user fails to enter the time frame of cooking. FIG.1

(21) Application No.201641006321 A

(19) INDIA

(22) Date of filing of Application :23/02/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: LEVERAGE GRAVITY POWER GENERATOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:NA :NA :NA :PCT//	(71)Name of Applicant: 1)A. Jesu Antony Maria Sugan Address of Applicant: No:22, Shanthi Nagar 11th Street, Palayamkottai, Tirunelveli, Tamil Nadu 627002 Tamil Nadu India (72)Name of Inventor:
 (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	1)A. Jesu Antony Maria Sugan

(57) Abstract:

LEVERAGE GRAVITY POWER GENERATOR A novel method to generate power (electrical energy) from gravity by way of using leverage is disclosed. The invention relates to an apparatus for converting gravitational force to produce electrical energy using the principle of leverage.

(22) Date of filing of Application :13/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: MATERIAL HANDLING STEP CONVEYOR USING ECCENTRIC CAM

(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 :N	1)RA AC ENGID NGGO India 2)M 3)SA 4)KA (72)Na 1)RA 2)M 3)SA	ame of Applicant: AVEEN.R ASSISTANT PROFESSOR/MECH Idress of Applicant: SRI RAMAKRISHNA NEERING COLLEGE, VATTAMALAIPALAYAM, O COLONY POST, COIMBATORE 641 022, Tamil Nadu UHILARASU.S ANTHOSH KUMAR.A ARTHIK KUMAR.E ame of Inventor: AVEEN.R ASSISTANT PROFESSOR/MECH UHILARASU.S ANTHOSH KUMAR.A ARTHIK KUMAR.A ARTHIK KUMAR.A
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(57) Abstract:

This project is mainly about the Design and Fabrication of Step conveyor using a Eccentric Cam. This type of non-conventional type of conveyors could be used for lifting of material at distant heights in vertical direction. There are several type of conventional conveyors which are used in the industries for vertical lifting of materials. But there is a limitations for some type of materials for lifting in conveyors such as flat faced components which could be difficult to handle for the conventional type conveyors like bucket conveyors. So this type Step conveyor could be efficiently used for lifting flat, circular and spherical components at distant heights. It has a cam mechanism for the movement of the steps. There are totally five steps which are being placed in the project. Three steps are movable and two steps are fixed. The Movable steps are made up to a angle on its contact surface to make component slip into the next step. All the steps were designed for required dimensions to achieve the maximum height of the lift of component. Follower rods are provides for the movement of the step through the movement of cam. The cam is operated by using a manual by handle. The whole project is made up of steel and alloy material.

(21) Application No.201641012928 A

(19) INDIA

(22) Date of filing of Application :13/04/2016 (43) Publication Date : 29/04/2016

(54) Title of the invention: AUTOMATIC EYE BLINK DETECTOR USING NI MYRIO

(24)	. capa (0.0	7127
(51) International classification	:A61B3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)USHA RANI NELAKUDITI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF ECE, VIGNAN'S
(33) Name of priority country	:NA	UNIVERSITY, VADLAMUDI - 522 213, GUNTUR DIST,
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	2)JOHN WILLIAM CAREY MEDITHE
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)USHA RANI NELAKUDITI
Filing Date	:NA	2)JOHN WILLIAM CAREY MEDITHE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The detection of eye blink plays a vital role in various applications of brain computer interface. The eye acts as a dipole consisting of the cornea and retina, wherein the cornea is much more positive than the retina providing typically around fewer microvolts to around 100mv between them. When the eyelid slides over an eye it acquires potential of an eye. This potential varies with various factors like light intensity, nature of blinking. This potential can be acquired using electrodes positioned near to the ocular region, which is connected to bio signal amplifier and filters for signal processing. The developed signal is connected as analog input to the Mini System Port(MSP) of connector C in Nl my RIO i.e. AI0/AI1. This has to be powered with external power supply and interfaced to a computer with USB. Fig.1

(22) Date of filing of Application :09/04/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : ENHANCED ELECTRONIC SYSTEM AND METHODS EMPLOYED FOR DIGITAL MANAGEMENT OF USER WALLET DATA

(86) International Application No Filing Date (87) International Publication No (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) International Application No (81) International Application No (82) International Application No (83) International Application No (84) International Application No (85) International Application No (86) International Application No (87) International Publication No (87) International Publication No (88) International Application No (89) 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) International Publication No (86) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (8	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	20/00 :NA :NA :NA :NA :NA :NA :NA :NA	(72)Name of Inventor : 1)Sruthi Gilla
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(57) Abstract:

Exemplary embodiments of the present disclosure are directed towards smart wallet system and methods employed thereof. The smart wallet comprising wallet data management and processing unit positioned in a wallet, wherein the cash management and processing unit comprises of: a user^{TMs} interface unit to allow a user to interact with the wallet; a memory unit loaded with a computer readable program of the wallet; a data communication unit comprising at least one of a short range communication device to communicate with a mobile unit of the user and the wallet; a location unit capable of computing geographical location based information; a universal electronic card unit comprising of a magnetic strip enabled to be used as a proxy payment enabling the user to make financial transactions; a display unit for displaying the details of the contents in the wallet; a power unit consisting of a battery to power up the device, a power management chipset enabled to utilise very low quiescent current and a microcontroller enabled to consume low power; a biometric unit configured to employ finger print identification technology for a secured access by the user; an illumination unit to act as a visual indicator required to monitor various peripherals in the device; a buzzer unit the user to locate the wallet upon activation; and a lock unit enabled with an electric latch to lock and unlock the wallet.

(21) Application No.1159/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :16/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: Smart Navigation System for visually challenged persons.

(51) International classification	:G01C21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Institute of Engineering and Management
(32) Priority Date	:NA	Address of Applicant :Institute of Engineering &
(33) Name of priority country	:NA	Management, Saltlake Electronics Complex, Sector-V, Saltlake,
(86) International Application No	:PCT//	Kolkata-700091 West Bengal India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)Tuhin Utsab Paul
(61) Patent of Addition to Application Number	:NA	2)Aninda Ghosh
Filing Date	:NA	3)Nitish Kumar Thaklur
(62) Divisional to Application Number	:NA	4)Riya Sett
Filing Date	:NA	

(57) Abstract:

A Navigation System developed for visually impaired person, using Image Processing as the main tool, Supported by an Embedded System in hand. Image processing with its increasing popularity is being used as a tool for social benefits. Along with microcomputer a spectacle mounted USB camera, Bluetooth earphone and a portable power source will form the whole invention.

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.1142/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/02/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AMINO QUINOLINES AS KINASE INHIBITORS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:C07D215/42, A61K31/47 :61/700536 :13/09/2012 :U.S.A. :PCT/US2013/059600 :13/09/2013	(71)Name of Applicant: 1)GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED Address of Applicant: 980 Great West Road Brentford Middlesex TW8 9GS U.K. (72)Name of Inventor: 1)CASILLAS Linda N.
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:WO 2014/043437 :NA :NA	2)DEMARTINO Michael P. 3)HAILE Pamela A. 4)MEHLMANN John F. 5)RAMANJULU Joshi M. 6)SINGHAUS Robert Jr.
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

Disclosed are compounds having the formula: (Chemical formula should be inserted here.) wherein R1, R2, R3, R4, and R5 are as defined herein and methods of making and using the same.

(21) Application No.11420/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HIGH SPEED TRAVERSING SHEAR

(51) International classification	:B21B15/00,B21B15/00	(71)Name of Applicant:
(31) Priority Document No	:13/922696	1)SIEMENS INDUSTRY INC.
(32) Priority Date	:20/06/2013	Address of Applicant :3333 Old Milton Parkway Alpharetta
(33) Name of priority country	:U.S.A.	Georgia 30005 4437 U.S.A.
(86) International Application No	:PCT/US2014/040145	(72)Name of Inventor:
Filing Date	:30/05/2014	1)SHEN William Xiaolan
(87) International Publication No	:WO 2014/204632	2)FIORUCCI Keith E.
(61) Patent of Addition to Application	:NA	3)LASHUA Christopher D.
Number	:NA	4)PLANTE Kenneth
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A trim shear is adapted to trim the front and tail ends of a hot rolled product exiting from a rolling mill along a mill pass line and travelling at either high or low speeds, depending on the size of the product being rolled. The trim shear comprises a trim station having a high speed a set of trim knives configured and arranged to trim the front and tail ends of high speed products, and a different low speed set of trim knives disposed laterally from the high speed set of trim knives and configured and arranged to trim the front and tail ends of low speed products; and traversing means for shifting the trim station transversely with respect to the mill pass line to alternatively locate either one or the other of said sets of trim knives in an active position on the mill pass line.

(21) Application No.11421/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

:NA

(54) Title of the invention: IMAGING NEUROLOGICAL DISEASE

:A61K51/00,G06F17/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :1313291.5 (32) Priority Date :25/07/2013 (33) Name of priority country :U.K.

(86) International Application No :PCT/EP2014/066042 Filing Date :25/07/2014 (87) International Publication No :WO 2015/011267

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Buckinghamshire HP7 9NA U.K. (72)Name of Inventor: 1)ROSSER Mark Joseph 2)WOLBER Jan

1)GE HEALTHCARE LIMITED

Address of Applicant : Amersham Place Little Chalfont

(57) Abstract:

Filing Date

The present invention relatesto radiopharmaceutical imaging of the brain, in particular to dopamine transporter imaging of the striatum (or a portion thereof). A method of imaging to permit calculation of left: right striatum uptake ratios is provided, and the degree of asymmetry used to assist in the diagnosis of neurological diseases. Also provided are a method of diagnosis, method of patient selection, and method of therapy monitoring using the imaging method, and software tools for use in the method.

(21) Application No.11422/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FIXED TYPE CONSTANT VELOCITY UNIVERSAL JOINT

(51) International classification :F16D3/2245,F16D3/20 (71)Name of Applicant : (31) Priority Document No 1)NTN CORPORATION :2013133808 (32) Priority Date Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku :26/06/2013 (33) Name of priority country Osaka shi Osaka 5500003 Japan :Japan (86) International Application No (72) Name of Inventor: :PCT/JP2014/063858 1)HIRUKAWA Hirovasu Filing Date :26/05/2014 (87) International Publication No :WO 2014/208242 2)FUJIO Teruaki (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

In this track groove intersecting-type, fixed-type constant velocity universal joint (1), track grooves (7) of an outer joint member (2) form an arc shape, the center of curvature being the joint center (O), and are inclined in the circumferential direction with respect to the N-N axis of the joint, said direction of inclination being opposite that of the track grooves (7) adjacent in the circumferential direction, and track grooves (9) of an inner joint member (3) are formed mirror-symmetrical with the paired track grooves (7) of the outer joint member (2) with reference to the joint center plane (P) in a state i n which the working angle is 0°. The track grooves (7, 9) of the two joint members (2, 3) have a length corresponding to the maximum working angle 9max calculated from a rear wheel drive shaft, and gaps ASial and ASiaz in the axial direction between the inner joint member (3) and a retainer (5) are larger than the axial-direction gas (ATao+Alai) resulting from the ball track gaps DT between the balls (4) and the track grooves (7, 9).

(21) Application No.11423/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FAST RECOVERY HARD THERMOPLASTIC POLYURETHANES

(51) International classification :C08G18/76,C08G18/42,C08G18/32

(31) Priority Document No :61/840039 (32) Priority Date :27/06/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/044001

Application No
Filing Date

1 C1/03201
25/06/2014

(87) International Publication :WO 2014/210098

NO
(61) Potent of Addition to

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
: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)FARKAS Julius

2)VONTORCIK Joseph J. Jr.

3)LU Qiwei

4) JACOBS Charles P.

(57) Abstract:

The thermoplastic polyurethane compositions described herein have very good recovery properties, rebound resilience, or both, while also having good hardness. It has been difficult to provide thermoplastic polyurethane compositions with this combination of properties. Some compositions described herein also provide low haze and/or good clarity properties. These combination of properties make the thermoplastic polyurethane compositions described herein useful materials for application that require fast recovery, good rebound resilience, or both while also requiring hard materials, and in some embodiments low haze and/or good clarity.

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR CULTURING HEPATOBLAST LIKE CELLS AND CULTURE PRODUCT THEREOF

Publication No
(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)NATIONAL INSTITUTES OF BIOMEDICAL

INNOVATION

Address of Applicant :7 6 8 Saito Asagi Ibaraki Shi Osaka

5670085 Japan

2)OSAKA UNIVERSITY (72)Name of Inventor: 1)MIZUGUCHI Hiroyuki 2)KAWABATA Kenji 3)TAKAYAMA Kazuo 4)SEKIGUCHI Kiyotoshi

(57) Abstract:

Provided is a method for the stable maintenance and culture of hepatoblast like cells generated during the course of differentiation induction from polyfunctional stem cells to hepatocytes. The present invention also provides a culture product obtained by the culture method. The stable maintenance and culture of hepatoblast like cells is possible by bringing hepatoblast like cells into contact with laminin. By means of this method that uses laminin it is possible for the first time to culture maintain and propagate hepatoblast like cells. By maintaining hepatoblast like cells the desired mature cells such as mature hepatocytes or bile duct epithelial cells can be created in a short amount of time and made available at the desired time. Moreover differentiation induction of the resulting cultured hepatoblast like cells to mature hepatocytes or mature bile duct cells and mature bile duct epithelial cells is possible. Due to this configuration this substantially pure culture product can be used as a transplant composition for the regeneration of hepatocytes and/or bile duct epithelial cells.

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND DEVICE FOR EXTRUDING PLASTICIZED POWDERED MATERIALS (VARIANTS)

(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 (33) Name of priority Country Filing Date (53) Name of priority Country Filing Date (54) International Application No (55) PCT/RU2013/000438 FPCT/RU2013/000438 FPCT/RU2013/000438 FPCT/RU2013/000438 FPCT/RU2013/000438 FPCT/RU2013/000438 FPCT/RU2013/000438 FRUSSIA FOR TOTVETSTVENNOSTYU AVTOKLAVY VYSOKOGO DAVLENIYA I TEMPERATURY Address of Applicant: Tomakov per. 16 2 Moscow 105066 Russia (72)Name of Inventor: 1)GUBENKO Lev Anatolyevich 2)PERELMAN Vladimir Evseevich FILING Date (62) Divisional to Application Number Filing Date (72) Name of Inventor: 1)GUBENKO Lev Anatolyevich 2)PERELMAN Vladimir Evseevich	 (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 	:NA :- : :PCT/RU2013/000438 :29/05/2013 :WO 2014/193260 :NA :NA :NA	DAVLENIYA I TEMPERATURY Address of Applicant :Tomakov per. 16 2 Moscow 105066 Russia (72)Name of Inventor: 1)GUBENKO Lev Anatolyevich
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(57) Abstract:

The invention relates to the field of producing long, pressed powder blanks by extrusion. The technical result of the invention is an increase in the density and uniformity of articles. A method for extruding plasticized powdered materials comprises forming a part blank from a material and forcing the part blank along an extrusion axis through a deformation channel having a variable cross-section. As the material is forced through the deformation channel, it is subjected to the simultaneous effect of oppositely signed cyclic drawing, shear and torsional strains as a result of the creation in the material of two oppositely signed cyclic compressive strains which are orthogonal to the extrusion axis and act in antiphase. The maximum increases in one of these compressive strains are set for the material in a plane which passes through the extrusion axis. The maximum increases in the second of these compressive strains are set for the material at the inlet and outlet of the deformation channel, orthogonal to the plane which passes through the extrusion axis. As the material is forced through the deformation channel, the directions of the maximum increases in the second compressive strain are changed by means of the rotation thereof about the axis of the channel according to any smooth periodic function having a period equal to the length of the deformation channel and an amplitude equal to 15-75°.

(21) Application No.11441/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: ONE -STROKE INTERNAL COMBUSTION ENGINE

(51) International :F02B75/00,F02B75/40,F02B53/00

classification

(31) Priority Document No :61/825560 (32) Priority Date :21/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/034859

:22/04/2014

Filing Date :WO 2014/189640

(87) International Publication

(61) Patent of Addition to **Application Number**

:NA Filing Date (62) Divisional to Application :NA

Number :NA

Filing Date

(71)Name of Applicant:

1) DIFFERENTIAL DYNAMICS CORPORATION

Address of Applicant: 8 Music Fair Road Suite C Owings

Mills MD 21117 U.S.A. (72) Name of Inventor:

1)HAN Kyung Soo

(57) Abstract:

One-stroke internal combustion engines may comprise reciprocating pistons which are either straight or rotary. Three principles are required to make one -stroke engines work: create four dedicated chambers, assign the chambers with coordinated functions, and make pistons move in unison. The functions will be assigned only to a single stroke but an Otto cycle produces a repeating four stroke cycle. Since four functions are performed simultaneously during one stroke, every stroke becomes a power stroke, in reality, 1 -stroke engines are physically rearranged 4-stroke engines. Both straight and rotary I -stroke engines can be modified to comprise opposed piston opposed cylinder (OPOC) engines. The reciprocating piston output of I -stroke pistons may be converted to continuously rotating output by using crankshafts with split bushings or newly developed Crankgears with conventional bearings. A I -stroke engine may require only one crankshaft and thus nun reduce the number of parts and increase the specific power ratio.

No. of Pages: 70 No. of Claims: 21

(21) Application No.11410/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TECHNIQUE FOR MAINTAINING NETWORK SERVICE IDENTIFICATION RULES

(51) International classification :H04L12/26,H04L12/24,G06N5/02 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT/EP2013/067710 :27/08/2013

(87) International Publication :WO 2015/028049

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application
Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) Address of Applicant :S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)HEIKKIL, Gunnar

2)R • CZ Andr;s

3) VERES Andr;s

(57) Abstract:

A technique for maintaining rules for identifying network services is presented. The network services exchange data packets (136, 138) with mobile terminals (108, 110) wirelessly connected to a network (100). The network receives reports from a subset (132) of the mobile terminals. The reports indicate net work services used by the reporting mobile terminals. As to a method aspect of the technique, the network associates one or more first data packets (136) with one of the network services based on the reports. The first data packets originate from, or are addressed to, the reporting mobile terminals. The network derives or adapts, based on data included in the first data packets, one or more rules for identifying the network service based on data included in second data packets (138). The second data packets are different from the first data packets.

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

(21) Application No.11411/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: RELATIVE PUMP CALIBRATION FOR ULTRAFILTRATION CONTROL IN A DIALYSIS **APPARATUS**

(51) International classification :A61M1/16,A61M1/34,F04B43/00 (71)Name of Applicant :

:WO 2015/007596

(31) Priority Document No :13508783

(32) Priority Date :15/07/2013 (33) Name of priority country :Sweden

(86) International Application :PCT/EP2014/064744

:09/07/2014 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

1)GAMBRO LUNDIA AB

Address of Applicant :P.O. Box 10101 SE 220 10 Lund

(72)Name of Inventor: 1)JANSSON Olof

2) VARTIA Christian

(57) Abstract:

A control unit (30) is arranged to control a dialysis fluid distribution system (12) comprising two volumetric pumps(PI, P2) and a dialyzer (13). The control unit (30) is operable in a calibration mode, to establish a bypass flow path that bypasses the dialyzer (13) and extends between the pumps (PI, P2) and to operate the pumps (PI, P2) at first and second calibration speeds so as to balance the flow rates generated by the pumps (PI, P2), e.g. based on a measured pressure or fluid level in dialysis fluid distribution system (12). The control unit (30) determines, based on the first and second calibration speeds, a relation between the stroke volumes of the pumps (PI, P2). The control unit (30) is further operable in a treatment mode, to establish a main flow path that extends between the first and second pumps (PI, P2) via the dialyzer (13) and to control the first and second pumps (PI, P2), based on the relation between their stroke volumes, to operate at a respective treatment frequency so as to generate a selected ultrafiltration rate in the dialyzer (13).

No. of Pages: 52 No. of Claims: 31

(21) Application No.11412/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ENDOSCOPE REPROCESSING SYSTEM AND METHOD

 (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 	:21/05/2014 :WO 2014/188402 :NA :NA	(71)Name of Applicant: 1)SMART MEDICAL SYSTEMS LTD Address of Applicant:10 Hayetsira Street 4366356 Raanana Israel (72)Name of Inventor: 1)TERLIUC Gad 2)LURIA Gilad 3)HOCHMAN Erez
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

A method for reprocessing a balloon endoscope, the method including the steps of deflating a balloon of a balloon endoscope to a negative pressure state following clinical use thereof and thereafter maintaining the interior of the balloon in a negative pressure state during at least part of reprocessing the balloon endoscope.

No. of Pages: 80 No. of Claims: 106

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SPLIT AIR CONDITIONING SYSTEM WITH A SINGLE OUTDOOR UNIT

(71)Name of Applicant: (51) International classification :F24F1/00,F24F11/02 1)WHIRLPOOL CORPORATION (31) Priority Document No :61/859061 Address of Applicant :2000 North M 63 MD 2200 Benton (32) Priority Date :26/07/2013 Harbor Michigan 49022 U.S.A. (33) Name of priority country :U.S.A. (72) Name of Inventor: (86) International Application No :PCT/US2014/048178 1)CUR Nihat O. Filing Date :25/07/2014 2) KEE Timothy A. (87) International Publication No :WO 2015/013603 3)KENDALL James W. (61) Patent of Addition to Application :NA 4)KUEHL Steven J. Number :NA 5)MILLER Jeff A. Filing Date 6)MYERS Verne H. (62) Divisional to Application Number :NA 7)PIT Heng Tong Filing Date :NA 8)WU Guolian

(57) Abstract:

A split air conditioning system for conditioning a plurality of zones within a single living area of a building, that includes a single outdoor unit; a refrigerant flow pathway made up of a plurality of refrigerant conduits having a common refrigerant flow path portion and at least two divergent flow path portions, a first divergent flow path and a second divergent flow path and the first evaporator and second evaporator are in parallel with one another; at least one throttling device; a portioning device configured to selectively and proportionately regulate the flow of a refrigerant fluid to the first evaporator and the second evaporator, respectively where the compressor is configured to be capable of simultaneously driving both the first evaporator and the second evaporator at their full cooling capacity.

No. of Pages: 67 No. of Claims: 21

(21) Application No.11154/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date: 29/04/2016

(54) Title of the invention : POSTERIOR STABILIZED ORTHOPAEDIC KNEE PROSTHESIS HAVING CONTROLLED CONDYLAR CURVATURE

(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 Classification No (51) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (53) International Publication No (54) Patent of Addition to Application Number Filing Date (55) International Classification (51) Portority Document No (51) PCT/US2012/04 (52) PCT/US2012/04 (52) PCT/US2012/04 (53) PCT/US2012/04 (54) PCT/US2012/04 (55) PCT/US2012/04 (57) P	(71)Name of Applicant: 1)DEPUY PRODUCTS INC. Address of Applicant: 700 Orthopaedic Drive Warsaw Indiana 46581 U.S.A. (72)Name of Inventor: 1)WYSS Joseph G. 2)LEE Jordan S. 3)WAGNER Christel M.
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(57) Abstract:

An orthopaedic knee prosthesis includes a tibial bearing and a femoral component configured to articulate with the tibial bearing. The femoral component includes a posterior cam configured to contact a spine of the tibial bearing and a condyle surface curved in the sagittal plane. The radius of curvature of the condyle surface decreases gradually between early flexion and mid flexion. Additionally in some embodiments the posterior cam of the femoral component may include a concave cam surface and a convex cam surface.

No. of Pages: 60 No. of Claims: 20

(21) Application No.11430/DELNP/2015 A

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

1)NTN CORPORATION

Osaka shi Osaka 5500003 Japan

(72) Name of Inventor:

2)YASHIRO Naoki

3)OOHIRA Kouya

1)OKUNO Takahiro

(19) INDIA

(22) Date of filing of Application:15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: SINTERED MECHANICAL COMPONENT AND MANUFACTURING METHOD THEREFOR

(51) International classification :C22C38/00,B22F1/00,B22F5/08 (71)Name of Applicant: (31) Priority Document No :2013139080 (32) Priority Date :02/07/2013 (33) Name of priority country :Japan

(86) International Application

:PCT/JP2014/064707 :03/06/2014 Filing Date

(87) International Publication No:WO 2015/001894

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

In the present invention, a sintered body having a density of at least /.5g/cm is formed using a mixed powder in which 0.05-0.35 wt% of a graphite powder having an average particle size of no more than 8 ih is mixed with respect to 100 wt% of a diffusion alloyed steel powder, or using a mixed powder in which O.1 -0.35 wt% of a graphite powder having an average particle size of no more than 8 ih is mixed with respect to 100 wt% of a completely alloyed steel powder.

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

(21) Application No.11431/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HEAT EXCHANGER FOR VEHICLE

(51) International classification	:F28D1/053,F28F9/02	(71)Name of Applicant:
(31) Priority Document No	:BR 10 2013 0148 555	1)VALEO SISTEMAS AUTOMOTIVOS LTDA Address of Applicant :Rodovia Itatiba Bragan§a Paulista KM
(32) Priority Date	:13/06/2013	05 Caixa Postal 106 Itatiba S£o Paulo 13252 904 S£o Paulo Brazil
(33) Name of priority country	:Brazil	(72)Name of Inventor:
(86) International Application No	:PCT/BR2014/000194	1)MAZZONI Armando
Filing Date	:13/06/2014	2)NOMOTO Eder
(87) International Publication No	:WO 2014/197960	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A heat exchanger (10) for vehicle which comprises: a first header (14) and a second header (16), the first header (14) being connected to a hot fluid inlet (18) and to a cold fluid outlet (20), so that the first header (14) comprises a hot region (24) and a cold region (26), separated by a wall (28), a plurality of tubes (22, 29, 30, 31), each tube providing fluid communication between the first (14) and second (16) headers, including one tube (31) located next to the wall (28) in the hot region (24) of the first header (14), being called hot end tube (31), and one tube located next to the wall in the cold region of the first header, being called cold end tube (32). The heat exchanger (10) comprises a flow reducer (36) for reducing the fluid flow in the hot end tube (31) compared to the fluid flow in other tubes (29, 30) located in the hot region (24).

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

(21) Application No.11432/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: FIXED-TYPE CONSTANT VELOCITY UNIVERSAL JOINT

(51) International :F16D3/20,F16D3/224,F16D3/2245 classification

(31) Priority Document No :2013133809

(32) Priority Date :26/06/2013 (33) Name of priority country: Japan

(86) International Application :PCT/JP2014/063853

:26/05/2014 Filing Date

(87) International Publication :WO 2014/208241

(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)NTN CORPORATION

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(72) Name of Inventor: 1)HIRUKAWA Hirovasu

2)FUJIO Teruaki

In this tracK groove intersecting-type, fixed-type constant velocity universal joint (1), track grooves (7) of an outer joint member (2) form an arc shape, the center of curvature being the joint center (0., and are inclinea in the circumferential direction with respect to the N-N axis of the joint, said direction of inclination being opposite that of the track grooves (7) adjacent in the circumferential direction, and track grooves (9) of an inner joint member (3) are formed mirror-symmetrical with the paired track grooves (7) of the outer joint member (2) with reference to the joint center plane (P) in a state in which the working angle is 0°. The track grooves (7, 9) of the two joint members (2, 3) have a length corresponding to the maximum working angle 0max calculated: from the propeller shaft, and surface treatment for decreasing the Mctional resistance (sliding resistance) with the balls (4) is performed on the defining surfaces of the track grooves (7) of the outer joint member (2).

No. of Pages: 48 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TUBERCULOSIS COMPOSITIONS AND METHODS OF USING THE SAME

 (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 	:A61K39/04 :61/838872 :25/06/2013 :U.S.A. :PCT/US2014/043889 :24/06/2014 :WO 2014/210018 :NA :NA :NA	(71)Name of Applicant: 1)AERAS GLOBAL TB VACCINE FOUNDATION Address of Applicant:1405 Research Boulevard Rockville Maryland 20850 U.S.A. (72)Name of Inventor: 1)ANANTHA Ravi 2)CADIEUX Nathalie 3)EVANS Thomas G. 4)STONE Michele 5)WALKER Barry
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(57) Abstract:

The present disclosure provides fusion proteins comprising Mycobacterium tuberculosis (Mtb) antigens, nucleic acid molecules encoding the same, vectors comprising nucleic acid molecules, compositions comprising the same, and methods of eliciting an immune response against tuberculosis.

No. of Pages: 177 No. of Claims: 92

(21) Application No.11424/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FAST RECOVERY SOFT THERMOPLASTIC POLYURETHANES

(51) International classification :C08G18/66,C08G18/76,C08G18/32

(31) Priority Document No :61/840043 (32) Priority Date :27/06/2013

(33) Name of priority country:U.S.A.

(86) International :PCT/US2014/044002

Application No
Filing Date

1 C1/03201
25/06/2014

(87) International Publication :WO 2014/210099

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)LUBRIZOL ADVANCED MATERIALS INC.

Address of Applicant :9911 Brecksville Road Cleveland Ohio

44141 3247 U.S.A.

(72)Name of Inventor:

1)VONTORCIK JR. Joseph J.

2)LU Qiwei

3)JACOBS Charles P. 4)FARKAS Julius

(57) Abstract:

The thermoplastic polyurethane compositions described herein have very good recovery properties, rebound resilience, or both, while also having good softness (i.e. low hardness). It has been difficult to provide thermoplastic polyurethane compositions with this combination of properties. Some compositions described herein also provide low haze and/or good clarity proper ties. These combination of properties make the thermoplastic polyurethane compositions described herein useful materials for application that require fast recovery, good rebound resilience, or both while also requiring soft materials, and in some embodiments low haze and/or good clarity.

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

(21) Application No.11425/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention : COMPOSITION FOR TREATING SKIN BARRIER AND REDUCING ACNE COMPRISING AN EXTRACT OF MALVA NEGLECTA

(51) International classification :A61K8/63,A61Q19/00,A61K8/97 (71)Name of Applicant : (31) Priority Document No 1)JOHNSON & JOHNSON CONSUMER INC. :13/947473 (32) Priority Date :22/07/2013 Address of Applicant: 199 Grandview Road Skillman New (33) Name of priority country Jersey 08558 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2014/047634 1)BATCHVAROVA Nikoleta :22/07/2014 Filing Date 2)PAPPAS Apostolos (87) International Publication :WO 2015/013286 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A composition for applying to skin suffering from acne to treat the acne, the composition comprising an extract of Malva neglecta. The Malva neglecta increases ceramide production at the area of skin affected by acne to treat and / or improve the acne. Additionally, the composition may include cholesterol.

No. of Pages: 40 No. of Claims: 15

(21) Application No.11426/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A RAIL TRANSPORT BOGIE AND A RAIL TRANSPORTATION 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 	:16/05/2014 :WO 2014/184780 :NA :NA	(71)Name of Applicant: 1)FUTRAN LTD Address of Applicant:12TH Floor 3 Lockhart Road Wanchai 852 Hongkong(China) (72)Name of Inventor: 1)LOUW Andries Auret
(62) Divisional to Application Number Filing Date	:NA :NA	
		·

(57) Abstract:

Rail transport bogie (1) configured to operate on a track (2) having track surfaces (3,4) on opposite sides thereof and an slot (5) extending along substantially the centre of the track (2), the bogie (1) comprising a loadbearing wheel (9) to run on a first (3) of the two track surfaces, a support shaft (11) extending from the load-bearing wheel (9) operatively through the slot (5) in the track (2) and terminating in load support means (8), a first pinch wheel (12) rotatably secured in a forward position (20) in respect of the support shaft (11) and a second pinch wheel (13) rotatably secured in rearward position (21) in respect of the support shaft (11), with both the first (12) and second (13) pinch wheels located between the load-bearing wheel (9) and load support means (8) to run on the second (4) of the two track surfaces, the load-bearing wheel (9) and pinch wheels (12,13) clamping between them the bogie (1) to the opposing track surfaces (3,4), and at least one of the load-bearing wheel (9) and either or both of the pinch wheels (12,13) connected to a motor (10) operatively to be driven thereby to comprise a driven wheel for the bogie (1). Also disclosed are a rail transportation system and a track for a rail transportation system using such a bogie (1).

No. of Pages: 38 No. of Claims: 40

(21) Application No.11427/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : AIR CONDITIONING SYSTEMS FOR AT LEAST TWO ROOMS USING A SINGLE OUTDOOR UNIT

 (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 	:61/859061 :26/07/2013 :U.S.A.	(71)Name of Applicant: 1)WHIRLPOOL CORPORATION Address of Applicant: 2000 North M 63 MD 2200 Benton Harbor Michigan 49022 U.S.A. (72)Name of Inventor: 1)CUR Nihat O. 2)KEE Timothy A. 3)KUEHL Steven J. 4)WU Guolian
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(57) Abstract:

A high-efficiency air conditioning system for conditioning a plurality of rooms within an interior of a building, the air conditioning system including: two separate rooms within a building, a single outdoor unit a refrigerant flow pathway that includes a plurality of refrigerant conduits having a common refrigerant flow path portion and at least two divergent flow path portions, a first divergent flow path where the first evaporator and second evaporator are in parallel with one another; at least one throttling device and at least a first indoor air handling unit positioned within and providing cooling to the first room and a second indoor air handling unit positioned within and providing cooling to a second room. The compressor is incapable of simultaneously supplying both the first evaporator and the second evaporator at their full cooling capacity.

No. of Pages: 69 No. of Claims: 20

(21) Application No.11442/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: RUN -OF -THE- RIVER OR OCEAN CURRENT TURBINE

(51) International classification: F03B17/06,F03B15/00,F16H1/46 (71) Name of Applicant: 1) DIFFERENTIAL DYNAMICS CORPORATION (31) Priority Document No :13/915785 (32) Priority Date :12/06/2013 Address of Applicant: 8 Music Fair Road Suite C Owings (33) Name of priority country Mills MD 21117 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2014/035487 No 1)HAN Kyung Soo :25/04/2014 Filing Date (87) International Publication :WO 2014/200622 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A run-of-the-river or ocean current turbine may comprise a hatch 1612 and a slanted block 1605 having protector ribs 1630 for directing water flow to a waterwheel 1608, The hatch may be controlled by a plurality of Transgear,, gear assemblies 2210, 2220, 2230, 2240 for varying the amount of water flow to the waterwheel from extreme drought to flood conditions so that the waterwheel may turn at rated speeds and within a predetermined range. The Transgear gear assemblies may comprise an accumulator 3010 for accumulating a rough and a fine tuned waterwheel speed. The Transgear assemblies may comprise embodiments of power take-off switches for, for example, bi-directional or clockwise and counterclockwise waterwheel shaft rotation, The turbine may be aligned for top-feed, side-feed or bottom feed of water and may comprise a tail wing or first and second turbines facing in opposite directions to capture high and low tidal flow.

No. of Pages: 71 No. of Claims: 24

(21) Application No.11443/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ELECTRICAL CONTACT FOR VACUUM VALVE AND PROCESS FOR PRODUCING SAME

(51) International classification(31) Priority Document No	:H01H33/664,B22F3/02,B22F3/26 :2013219736	(71)Name of Applicant: 1)HITACHI LTD.
(32) Priority Date	:23/10/2013	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008280 Japan
(86) International Application No Filing Date	:PCT/JP2014/073429 :05/09/2014	(72)Name of Inventor: 1)KIKUCHI Shigeru 2)MORITA Ayumu
(87) International Publication No	:WO 2015/060022	3)TSUCHIYA Kenji 4)SATO Takashi
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)TOMIYASU Kunihiko
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An electrical contact which comprises a matrix comprising Mo, Cr, and Cu and, dispersed therein, an aggregate phase comprising Cu, wherein the aggregate phase has a maximum particle diameter in the range of $4\text{-}20\mu\text{m}$, and when the overall Cu content in the electrical contact is expressed by Wt, then the Cu content in the matrix is represented by C Wt, where C is in the range of 0.54-0.81; and a process for producing an electrical contact comprising Mo, Cr, and Cu, the process comprising a step in which a powder mixture of an Mo powder and a Cr powder is press -molded to form a compact and a step in which the compact is impregnated with molten Cu.

No. of Pages: 31 No. of Claims: 9

(21) Application No.11444/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: POWER SUPPLY SYSTEM

(51) International classification	:H02M3/18,H02M3/02	(71)Name of Applicant :
(31) Priority Document No	:2013183155	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:04/09/2013	Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2014/004501	(72)Name of Inventor:
Filing Date	:02/09/2014	1)ISHIGAKI Masanori
(87) International Publication No	:WO 2015/033553	2)TOMURA Shuji
(61) Patent of Addition to Application	:NA	3)YANAGIZAWA Naoki
Number	:NA	4)OKAMURA Masaki
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An operation mode selection unit (600) selects an operation mode of a power converter and generates a mode selection signal (MD#) indicating the result of selection, in accordance with a load condition and a power supply condition. An operation mode switching control unit (710) generates a mode control signal (MD) designating an operation mode of the power converter. When the operation mode currently selected by the mode control signal (MD) is different from an operation mode indicated by the mode selection signal (MD#), the operation mode switching control unit (710) adjusts a power distribution ratio between a plurality of DC power supplies or an output voltage on an electric power line so as not to change abruptly, and then permits a transition of operation mode.

No. of Pages: 94 No. of Claims: 10

(21) Application No.11445/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HUMANIZED LIGHT CHAIN MICE

(51) International classification	:A01K67/027,	(71)Name of Applicant:
(31) Priority Document No	:61/578,097	1)REGENERON PHARMACEUTICALS, INC.
(32) Priority Date	:20/12/2011	Address of Applicant :777 Old Saw Mill River Road,
(33) Name of priority country	:U.S.A.	Tarrytown, New York 10591, United States of America U.S.A.
(86) International Application No	:PCT/US2012/069981	(72)Name of Inventor:
Filing Date	:17/12/2012	1)MACDONALD, Lynn
(87) International Publication No	: NA	2)GURER, Cagan
(61) Patent of Addition to Application	:NA	3)HOSIAWA, Karolina A.
Number	:NA	4)STEVENS, Sean
Filing Date	.11/1	5)MURPHY, Andrew J.
(62) Divisional to Application Number	:6094/DELNP/2014	
Filed on	:21/07/2014	

(57) Abstract:

Non-human animals, tissues, cells, and genetic material are provided that comprise a modification of an endogenous non-human heavy chain immunoglobulin sequence and that comprise an ADAM6 activity functional in a mouse, wherein the non-human animals express a human immunoglobulin heavy chain variable domain and a cognate human immunoglobulin λ light chain variable domain.

No. of Pages: 266 No. of Claims: 15

(21) Application No.11446/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ENGINE POWER BOOST SYSTEM AND METHOD

(51) International classification	:F02D29/00,F02D29/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ROBERT BOSCH GMBH
(32) Priority Date	:NA	Address of Applicant :Heidehofster.31 70184 Stuttgart
(33) Name of priority country	:NA	Germany
(86) International Application No	:PCT/CN2013/077265	(72)Name of Inventor:
Filing Date	:14/06/2013	1)LIN Weiqing
(87) International Publication No	:WO 2014/198065	2)DEHN Johannes
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An engine power boost system for an internal combustion engine, a corresponding method and an excavator are disclosed. The system comprises sensing means for sensing a load intended to be overcome by the engine during the operation of the engine, and an engine controller connected with the engine and the sensing means for receiving load information from the sensing means and controlling the operation of the engine. The engine controller is configured to activate an engine power boost by increasing the limit of fuel injection quantity of the engine from a standard injection quantity limit to an increased injection quantity limit when the load information indicates that the load is increased over a load threshold, and to end the engine power boost by recovering the standard injection quantity limit after the engine power boost has been activated for a preset duration. The engine can be protected effectively by means of the system and method of the disclosure.

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

(21) Application No.11414/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: ENERGETIC BEER FLAVORED BEER OR ENERGETIC DRINK BASED ON BEER

:A23L2/38,A23L2/52,C12G3/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :PUV 201327924

(32) Priority Date :15/05/2013 (33) Name of priority country :Czech Republic (86) International Application No: PCT/CZ2014/000055

Filing Date :14/05/2014 (87) International Publication No: WO 2014/183733

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)POWER DRINKS SE

Address of Applicant :Pobrezni 394/12 CZ 18600 Praha 8

Czech Republic

(72)Name of Inventor: 1)DITTMAR Martina 2)BEDN • R Pavel

(57) Abstract:

Energetic beer, flavored beer or energetic drink based on beer containing 10 to 99,99% of weight of beer, non-alcoholic beer, or a drink based on beer or non-alcoholic beer and it further contains stimulating (energetic or vitamin) substances in the amount of 0,001 to 90% of weight.

No. of Pages: 3 No. of Claims: 5

(21) Application No.11415/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: COMPACT MEDICAL X RAY IMAGING APPARATUS

:A61B6/00,G01T7/00 (71)Name of Applicant : (51) International classification 1)TSUKUBA TECHNOLOGY CO. LTD. (31) Priority Document No :2013140230 (32) Priority Date :03/07/2013 Address of Applicant: 14 11 Sengen 1 chome Tsukuba shi (33) Name of priority country :Japan Ibaraki 3050047 Japan (86) International Application No :PCT/JP2014/067825 (72) Name of Inventor: :03/07/2014 Filing Date 1)WANG Bo (87) International Publication No :WO 2015/002276 2)SAITO Norio (61) Patent of Addition to Application 3)LIU Xiaojun :NA Number 4)SUZUKI Ryoichi :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

[Problem] To proviae a compact medical X-ray imaging apparatus which i s portable, with which it is possible to capture clear X-ray images while maintaining low radiation exposure, and with which it is possible to increase the life of X-ray sources. [Solution] An X-ray imaging apparatus which is portable, and with which it is possible to capture clear X-ray images while maintaming low radiation exposure. This compact medical X-ray imaging apparatus comprises: a carbon nanostructure triode cold cathode X-ray tube that radiates X-rays; an X-ray image sensor that captures an image of X-rays that have passed through a patient; a first detector that detects the X-ray radiation dosage and that is positioned between the carbon nanostructure triode cold cathode X -ray tube and the X-ray image sensor, and within the range in which X-rays are irradiated rather than the X-ray effective imaging area irradiated by the X-ray image sensor; a second detector that detects the X-ray dose and is positioned in the center part of one side of the : frame of the X-ray image sensor at third detector that detects the X-ray image sensor and facing the second detector; a power supply which supplies a negative and a positive high-voltage pulse to the cathode and anode of the carbon nanostructure triode cold cathode X-ray tube respectively; and an X-ray imaging control device which acquires detection data from the first, second and third detectors

No. of Pages: 28 No. of Claims: 7

(21) Application No.11416/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WATER TREATMENT SYSTEM AND METHOD

(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	:C02F1/12,B01D1/16,B01D53/50 :NA :NA :NA :PCT/JP2013/068554 :05/07/2013 :WO 2015/001678 :NA :NA	1)MITSUBISHI HEAVY INDUSTRIES LTD. Address of Applicant: 16 5 Konan 2 chome Minato ku Tokyo 1088215 Japan (72)Name of Inventor: 1)UKAI Nobuyuki 2)OKINO Susumu 3)EDA Masayuki 4)KAGAWA Seiji 5)SUZUKI Hideo 6)NAKASHOJI Hiroshi 7)USHIKU Tetsu
Filing Date	:NA	7)USHIKU Tetsu
(62) Divisional to Application Number Filing Date	:NA :NA	8)YOSHIOKA Shigeru

(57) Abstract:

This water treatment system for effluent generated within a plant facility comprises an exhaust gas treatment system (18) that treats boiler exhaust gas (12) from a boiler (11), and a spray drying device (23) that has a spraying means for spraying the effluent (22) generated in a plant facility, in a cooling tower (21) for example, and that performs spray drying by using a portion (12a) of the boiler exhaust gas (12). Separate treatment of effluent (22) with industrial waste water treatment equipment can be eliminated and discharge of effluent (22) generated within the plant can be eliminated because the discharged effluent (22) is introduced into the spray drying device (23) and the spray liquid is driea by way of the heat from a portion (12a) of the exhaust gas (12).

No. of Pages: 57 No. of Claims: 10

(21) Application No.11417/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WATER TREATMENT DEVICE

(51) International classification (31) Priority Document No	:C02F3/12,B01D65/02,C02F1/44 :NA	(71)Name of Applicant: 1)MITSUBISHI HEAVY INDUSTRIES LTD.
(32) Priority Date	:NA	Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo
(33) Name of priority country	:NA	1088215 Japan
(86) International Application	:PCT/JP2013/069392	(72)Name of Inventor:
No	:17/07/2013	1)SATOU Jun
Filing Date	- WO 2015/009246	2)OKINO Susumu
(87) International Publication No.(61) Patent of Addition to	0:WO 2015/008546	3)UKAI Nobuyuki 4)SUZUKI Hideo
Application Number	:NA	5)NAKASHOJI Hiroshi
Filing Date	:NA	6)YOSHIOKA Shigeru
(62) Divisional to Application	:NA	7)SAKURAI Hideaki
Number	:NA	8)OGAWA Naoki
Filing Date		

(57) Abstract:

A water treatment device) is provided with: a biological treatment tank (2) for storing a stored liquid (5); a pump (7) for generating a circulating liquid flow formed of the stored liquid (5); a gas-liquid two -phase flow generation device (8) for using the circulating liquid flow to suction a gas containing oxygen, whereby a gas-liquid two-phase flow in which the gas is dispersed in the circulating liquid flow is generated; and a nozzle (12) for injecting the gas-liquid two-phase flow into the biological treatment tank (2). Such a water treatment device (1) is capable of causing the stored liquid (5) to adequately circulate in the biological treatment tank (2), adequately aerate the stored liquid (5), and adequately treat the stored liquid (5).

No. of Pages: 46 No. of Claims: 12

(21) Application No.11434/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: ARYL SULFIDE DERIVATIVES AND ARYL SULFOXIDE DERIVATIVES AS ACARICIDES AND **INSECTICIDES**

(51) International :C07D233/34,C07D233/74,C07D233/96

:WO 2014/202505

classification

(31) Priority Document :13172993.1

(32) Priority Date :20/06/2013

(33) Name of priority :EPO

country

(86) International

:PCT/EP2014/062510 Application No

Filing Date

:16/06/2014 (87) International

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)BAYER CROPSCIENCE AKTIENGESELLSCHAFT

Address of Applicant : Alfred Nobel Str. 50 40789 Monheim

am Rhein Germany

(72) Name of Inventor:

1)ALIG Bernd

2) CEREZO GALVEZ Silvia

3)FISCHER Reiner 4)K-HLER Adeline

5)HAHN Julia Johanna

6)BECKER Angela

7)ILG Kerstin

8) VOERSTE Arnd

9)PORTZ Daniela

(57) Abstract:

The invention relates to aryl sulfoxide derivatives, use thereof as acaricides and insecticides for Controlling animal pests, and methods and intermediate products for the production thereof. The aryl sulfide derivatives and aryl sulfoxide derivatives have the general structure (I) in which the respective groups have the meanings as cited in the description.

No. of Pages: 330 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PERISTALTIC PUMP HAVING REDUCED PULSATION AND USE OF THE PERISTALTIC PUMP

 (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 	:06/06/2014 :WO 2014/195475 :NA :NA	(71)Name of Applicant: 1)BAUSCH + STR-BEL MASCHINENFABRIK ILSHOFEN GMBH + CO. KG Address of Applicant: Parkstrae 1 74532 Ilshofen Germany (72)Name of Inventor: 1)ACKERMANN Simon 2)BAUER Harald
Filing Date	:NA	

(57) Abstract:

The invention relates to a peristaltic pump (1), comprising a saddle and a rotor (3) that can be rotated therein, between which a hose (4) is arranged. The rotor (3) bears hose-squeezing means (6), which slide over the hose (4) with the rotation of the rotor (3) and thus pump a pumping fluid. Pulsation effects occur when the hose-squeezing means (6) emerge from the hose (4). According to the invention, said pulsation effects are suppressed by suitably shaping an inner saddle surface (5) on which the hose (4) rests. In addition, the pulsation effects can be reduced or avoided by adjusting the rotational speed of the rotor in a controlled manner, suitably selecting a pumping end position for the metering of the pumping medium, or defining certain unchanging pumping end positions. The invention further relates to the use of such a peristaltic pump (1) for metering.

No. of Pages: 34 No. of Claims: 18

(21) Application No.11436/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: NOVEL PHENYL NAPTHOL DERIVATIVE

:25/06/2014

:WO 2015/002038

(51) International classification: C07C39/23,B01J31/02,B01J31/24 (71) Name of Applicant:

:2013137884 (31) Priority Document No (32) Priority Date :01/07/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/066772 No

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

1)TOKUYAMA CORPORATION

Address of Applicant: 1 1 Mikage cho Shunan shi Yamaguchi

7458648 Japan

(72) Name of Inventor:

1)IZUMI Shinobu

2)TERANISHI Kazuhiro

(57) Abstract:

A phenyl napthol derivative accoraing to the present invention is expressed by general formula (1). In the formula: R1- 3are a hydrogen atom, an alkyl group, or an aryl group; R 2 and R 3 may be bonded together to form an aliphatic hydrocarbon ring or a hetero ring; a and b are each an integer of 0-4; and R4 and R 5 are a hydroxyl group, an alkyl group, a haloalkyl group, a eye - loalkyl group, an alkoxy group, an amino group, a hetero -ring group that contains a nitrogen atom as a hetero atom and bonds via the nitrogen atom, a cyano group, a nitro group, a formyl group, a hydro xycarbonyl group, an alkyl carbonyl group, and a bonyl group, a halogen atom, an aralkyl group, an aralkoxy group, an aryloxy group, an aryl group, a heteroaryl group that bonds via an endocyclic carbon atom, an alkylthio group, a cycloalkylthio group, an arylthio group, or a hetero arylthio group.

No. of Pages: 66 No. of Claims: 7

(21) Application No.11437/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: IVF EGG COLLECTION CHAMBER

:A61D19/04,A61B17/435 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)LABMAN AUTOMATION LTD :1309766.2 (32) Priority Date :31/05/2013 Address of Applicant :Seamer Hill Seamer Stokesley North (33) Name of priority country Yorkshire TS9 5NO U.K. :U.K. (86) International Application No 2)UNIVERSITY OF NEWCASTLE UPON TYNE :PCT/GB2014/051653 Filing Date :30/05/2014 3)NEWCASTLE UPON TYNE HOSPITALS NHS (87) International Publication No :WO 2014/191757 FOUNDATION TRUST (61) Patent of Addition to Application (72) Name of Inventor: :NA 1)HODGSON Robert :NA Filing Date 2)MURDOCH Alison (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The present invention relates to egg chambers for use in collection, inspection and selection of eggs for invitro fertilisation (IVF) procedures. The egg chamber, in use, provides an effectively closed and fluid filled system which minimises the environmental changes that a harvested egg is exposed to, thus maximising viability. The egg chamber comprises a vessel which can be made airtight, comprising at least one side wall, an upper wall and a lower wall, at least a portion of the upper wall being transparent and at least a portion of the lower wall being light permeable; a first inlet with a sealable port; a first outlet with a sealable port; a first outlet and con figured to separate the vessel into a first internal chamber and a second internal chamber.

No. of Pages: 73 No. of Claims: 68

(21) Application No.11447/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: BANDWIDTH METERING IN LARGE SCALE NETWORKS

 (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 	:G06F15/16 :13/898570 :21/05/2013 :U.S.A. :PCT/US2014/039023 :21/05/2014 :WO 2014/190084 :NA	(71)Name of Applicant: 1)AMAZON TECHNOLOGIES INC. Address of Applicant: P.O. Box 8102 Reno Nevada 89507 U.S.A. (72)Name of Inventor: 1)FURR Michael Brooke 2)HENDRIE Christopher Ian 3)MILLER Kevin Christopher 4)MURPHY Ryan David
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)MILLER Kevin Christopher 4)MURPHY Ryan David 5)SHANTHARAJ Sandeep
(62) Divisional to Application Number Filing Date	:NA :NA	-

(57) Abstract:

Methods and apparatus for bandwidth metering in large-scale networks are disclosed. Metadata for a network transmission involving a virtualized resource at a host of a provider network, including endpoint address information and a traffic metric, is determined at a metering component. The metadata is aggregated at another metering component and provided to a traffic classification node. The traffic classification node generates a categorized usage record for the network transmission, based at least in part on network topology information associated with the provider network. The categorized usage record is used to determine a billing amount for the network transmission.

No. of Pages: 49 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND SYSTEM FOR FLEXIBLE NODE COMPOSITION ON LOCAL OR DISTRIBUTED COMPUTER SYSTEMS

 (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 	:G06F9/46 :61/825284 :20/05/2013 :U.S.A. :PCT/US2014/038009 :14/05/2014 :WO 2014/189737	(71)Name of Applicant: 1)PACKSIZE LLC Address of Applicant:6440 South Wasatch Boulevard Salt Lake City Utah 84121 U.S.A. (72)Name of Inventor: 1)KARLSSON Stefan 2)HARNESK Andreas
(61) Patent of Addition to ApplicationNumberFiling Date(62) Divisional to Application NumberFiling Date	:NA :NA :NA :NA	

(57) Abstract:

Embodiments are directed to scaling services, transitioning from a first service version to a second version and to implementing an external system integration service. In one scenario, a computer system establishes a message broker service that maintains message queues that allow communication between services. The message queues receive messages from publishers and transfer messages to subscribers. The computer system indicates a specified message queue for each service, where the specified message queue is configured to maintain messages for that service. The computer system also moves at least one of the services to a second, different computer system, while the specified message queue maintains messages for the moved service. The computer system further allows an external system integration service to be implemented which subscribes to specified, registered messages and forwards the registered messages to selected external entities.

No. of Pages: 31 No. of Claims: 36

(21) Application No.11449/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HARMONIC FILTERING FOR AN UP -CONVERTING, VOLTAGE MODE, PASSIVE MIXER

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:H03D7/14,H04B1/04,H04L27/04 :61/825695 :21/05/2013 :U.S.A.	(71)Name of Applicant: 1)ST ERICSSON SA Address of Applicant: Chemin du Champ des Filles 39 CH 1228 Plan les Ouates Switzerland
(86) International Application No Filing Date	:PCT/IB2014/000776 :19/05/2014	(72)Name of Inventor : 1)AXHOLT Andreas
(87) International Publication No	:WO 2014/188255	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Disclosed herein is a passive, voltage mode transmitter assembly and method of operation. The passive, voltage mode transmitter assembly comprises a baseband filter configured to filter a source baseband signal, a harmonics filter, connected to the baseband filter, configured to remove harmonics from the filtered, source baseband signal, a passive, voltage mode mixer, connected to the harmonics filter, configured to up-convert an output of the harmonics filter to a radio signal, and a power amplifier, connected to the passive, voltage mode mixer, configured to amplify the radio signal.

No. of Pages: 47 No. of Claims: 15

(21) Application No.11450/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : MICROBIAL BASED WASTE WATER TREATMENT COMPOSITIONS AND METHODS OF USE THEREOF

 (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 	:C12R1/125,C12R1/25,C12R1/11 :61/825332 :20/05/2013 :U.S.A. :PCT/US2014/038833 :20/05/2014 :WO 2014/189963	1)BIOWISH TECHNOLOGIES INC. Address of Applicant: 2724 Erie Avenue Suite B Cincinnati Ohio 45208 U.S.A. 2)CAL POLY CORPORATION (72)Name of Inventor: 1)CARPENTER Richard 2)SHOWELL Michael S. 3)BARNES JoElla
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)PAL Nirupam
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to microbial compositions useful in treating and remediating wastewater removing organic matter from the surfaces of post harvested fruits and vegetables and decreasing post harvest disease in fruit and vegetables.

No. of Pages: 35 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: PLANT- BASED INHIBITORS OF KETOHEXOKINASE FOR THE SUPPORT OF WEIGHT **MANAGEMENT**

(51) International :A61K36/75,A61K36/12,A61K36/185

classification (31) Priority Document No :61/836843

(32) Priority Date :19/06/2013

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/042534 Application No

:16/06/2014 Filing Date

(87) International :WO 2014/204853 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)ACCESS BUSINESS GROUP INTERNATIONAL LLC Address of Applicant: 7575 Fulton Street East Ada MI 49355

U.S.A

2)THE REGENTS OF THE UNIVERSITY OF

COLORADO A BODY CORPORATE

(72) Name of Inventor: 1)RANA Jatinder

2)RANDOLPH Russell Keith 3)SCHOLTEN Jeffrey

4)LE Myphuong Thi

5)JOHNSON Richard J.

6)LANASPA GARCIA Miguel Angel

(57) Abstract:

A composition for inhibiting ketohexokinase, for example, ketohexokinase-C (KHK-C) activity, may include a plant extract exhibiting at least IC50 (i.e., 50% KHK-C inhibition at a concentration in the range of from about 0.1 g/mL to about 1000 g/mL. The composition may be in a form suitable for oral ingestion. A method for inhibiting KHK-C activity in a subject may include administering a plant extract that exhibits at least 50% KHK-C inhibition at a concentration from about 0.1 g/mL to about 1000 g/mL. The administering may be done to treat or prevent at least one of sugar addiction, obesity, or metabolic syndrome. The administering may be done to provide a diminished craving in the subject from at least one member selected from the group consisting of craving of sugar, fructose, fructose-containing sugars, carbohydrates, and combinations thereof. The subject may be pre-diabetic, diabetic and or insulin resistant.

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

(21) Application No.11452/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: USE OF NK-1 RECEPTOR ANTAGONIST SERLOPITANT IN PRURITUS

(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	:A61K31/403,A61P17/04,A61P25/20 :61/838784 :24/06/2013 :U.S.A. :PCT/US2014/043811 :24/06/2014 :WO 2014/209962 :NA :NA	(71)Name of Applicant: 1)TIGERCAT PHARMA INC. Address of Applicant: 400 Oyster Point Blvd. Suite 202 South San Francisco CA 94080 U.S.A. (72)Name of Inventor: 1)ZHANG Xiaoming 2)SCHNIPPER Edward F. 3)PERLMAN Andrew J. 4)LARRICK James W.
Filing Date (62) Divisional to Application Number	:NA :NA :NA	
Filing Date	12.12.2	

(57) Abstract:

The invention relates to methods for treating pruritus with NK-1 receptor antagonists such as serlopitant. The invention further relates to pharmaceutical compositions comprising NK-1 receptor antagonists such as serlopitant. In addition, the invention encompasses treatment of a pruritus-associated condition with serlopitant and an additional antipruritic agent, and the use of serlopitant as a sleep aid, optionally in combination with an additional sleep-aiding agent.

No. of Pages: 59 No. of Claims: 31

(21) Application No.11453/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A GRENADE ROUND

(51) International classification	:F42B5/285,F42C19/08	(71)Name of Applicant:
(31) Priority Document No	:2013/04585	1)ATLANTIS MANUFACTURING MANAGEMENT
(32) Priority Date	:20/06/2013	SERVICES PROPRIETARY LIMITED
(33) Name of priority country	:South Africa	Address of Applicant :215 The Cliffs Office Block 1 Niagara
(86) International Application No	:PCT/IB2014/062474	Road Tygerfalls Carl Cronje Drive Bellville 7536 South Africa
Filing Date	:20/06/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/203215	1)BLACKBEARD Gordon Henry
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A grenade round 10 comprises a projectile 12 a case 14 and a high low propellant propulsion system 16. The system 16 includes a propellant chamber assembly 30 for holding a propelling charge 32. The assembly 30 comprises a chamber body insert 38 which defines an internal cavity and a base plate insert 42 which closes off the internal cavity. The insert 38 is screwed into the case while the insert 42 is screwed into the insert 38. The insert 42 defines a circumferential flange 60 which extends beyond and abuts a rim formation of the insert 38. The inserts define a high strength housing for the propelling charge which is able to withstand the high pressures resulting from combustion of the propelling charge. The flange provides a relatively large area for dissipation of energy resulting from combustion of the propelling charge into the interface between the base plate insert and the case.

No. of Pages: 16 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A METHOD AND A DEVICE FOR MAKING A MULTI- COMPONENTS PRODUCT MATERIAL

(51) International classification :B01F3/14,B01F7/04,B01F15/02 (71)Name of Applicant :

(31) Priority Document No :20130713 (32) Priority Date :22/05/2013

(33) Name of priority country :Norway

(86) International Application No:PCT/NO2014/050081 Filing Date :20/05/2014

(87) International Publication No :WO 2014/189385

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

Number :NA
Filing Date :NA

(71)Name of Applicant : 1)MULTIVECTOR AS

Address of Applicant :...slyveien 21 N 3170 Sem Norway

(72)Name of Inventor: 1)NORDAHL Geir

(57) Abstract:

In a method and a device for making of a multi-components product material (12) there is a processing and homogenizing chamber (10) for primary particle components (4; 5; 6), the chamber having at least two sets (13; 14; 13; 14) of rotary shovels caused to rotate in parallel in a mutually counter-rotating, homogenizing mode; inlet(s) (9; 9) into the chamber (10) for at least one secondary component (7; 7) in a fluid state and/or fine particulate material state and which is to interact with the primary components (4; 5; 6) while they are moved around in the processing chamber (10) by sets of the rotary shovels, and an outlet (42; 43) in a bottom region (40; 41) of the chamber (10) to allow the primary and secondary components to leave the chamber as the multi-component product material (12). At least some of the primary components (4; 5; 6) may be pre-heated before entering the chamber (10) and/or at least one heating agent is entered into to the processing chamber (10) to heat at least partly the primary components (4: 5; 6). The shovels (15-19; 20-24) of each set (13; 14; 13; 14) extend radially from a respective surface of a common rotary shaft (25-26). Each shovel (29) present upon rotation a convex surface (30) to face the primary components) (4: 5; 6) to be homogenized, and is at an radially outer region (3 1) is forwardly with a forward face (32) forming an angle with sad convex surface, and wherein an aerodynamic member (33) extends rearwards from a rear con cave side (34) of the shovel, transversely of a radial direction of the shovel. A lateral wing member (37) may be placed on the shovel.

No. of Pages: 38 No. of Claims: 31

(21) Application No.11455/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : DEVICE FOR SIGNATURE ADAPTATION AND OBJECT PROVIDED WITH DEVICE FOR SIGNATURE ADAPTATION

(51) International classification :F41H3/00,B63G13/0
(31) Priority Document No :13508551
(32) Priority Date :09/07/2013
(33) Name of priority country :Sweden :Sweden

(86) International Application No :PCT/SE2014/050838 Filing Date :02/07/2014

(87) International Publication No :WO 2015/005852

(61) Patent of Addition to Application
Number
Siling Date
(2) Print Addition to Application
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:F41H3/00,B63G13/02 (71)**Name of Applicant :**

1)BAE SYSTEMS H,,GGLUNDS AKTIEBOLAG Address of Applicant :S 891 82 –rnskldsvik Sweden

(72)Name of Inventor:1)SJ-LUND Peder2)MYLLYLUOMA Jussi

(57) Abstract:

The invention pertains to a device for signature adaptation, comprising a surface element arranged to assume a determined thermal distribution, wherein said surface element comprises at least one temperature generating element arranged to generate at least one predetermined temperature gradient to a portion of a first heat conducting layer of said surface element, characterized in that said device for signature adaptation comprises a liquid cooling element arranged to provide at least one liquid flow, thermally contacting an inner portion of said at least one temperature generating element so that thermal energy is dispersed from said at least one temperature generating element.

No. of Pages: 103 No. of Claims: 26

(22) Date of filing of Application :24/11/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : METHOD FOR DERIVING A TEMPORAL PREDICTIVE MOTION VECTOR, AND APPARATUS USING THE METHOD

(51) International classification :H04N7/32 (31) Priority Document No :10-2011-0091782 (32) Priority Date :09/09/2011 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2012/007174 Filing Date :06/09/2012 (87) International Publication No : NA (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :7793/DELNP/2013 Filed on :04/09/2013

(71)Name of Applicant: 1)KT CORPORATION

Address of Applicant :90 Buljeong-ro, Bundang-gu Seongnam-city, Kyeonggi-do 463-711, Republic of Korea

Republic of Korea

(72)Name of Inventor : 1)LEE, Bae Keun

2)KWON, Jae Cheol 3)KIM, Joo Young

(57) Abstract:

Disclosed are a method for deriving a temporal predictive motion vector, and an apparatus using the method. An image decoding method may comprise the steps of: determining whether or not a block to be predicted is brought into contact with a boundary of a largest coding unit (LCU); and determining whether or not a first call block is available according to whether or not the block to be predicted is brought into contact with the boundary of the LCU. Accordingly, unnecessary memory bandwidth may be reduced, and implementation complexity may also be reduced.

No. of Pages: 41 No. of Claims: 14

(22) Date of filing of Application :24/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND APPARATUS FOR INTRA PREDICTION WITHIN DISPLAY SCREEN

:22/11/2013

(51) International classification :H04N19/593, (71)Name of Applicant: 1)KT CORPORATION (31) Priority Document No :10-2011-0048130 (32) Priority Date Address of Applicant :90 Buljeong-ro, Bundang-gu :20/05/2011 (33) Name of priority country Seongnam-city, Kyeonggi-do 463-711, Republic of Korea :Republic of Korea Republic of Korea (86) International Application No :PCT/KR2012/003744 (72) Name of Inventor: Filing Date :14/05/2012 (87) International Publication No : NA 1)KWON, Jae Cheol (61) Patent of Addition to Application 2)KIM, Joo Young :NA :NA Filing Date (62) Divisional to Application Number :10077/DELNP/2013

(57) Abstract:

Filed on

The present invention relates to a method and apparatus for intra prediction. The 5 intra prediction method for a decoder, according to the present invention, comprises the steps of entropy-decoding a received bitstream, generating reference pixels to be used in the intra prediction of a prediction unit; generating a prediction block from the reference pixels on the basis of a prediction mode for the prediction unit and reconstructing an image from the prediction block and a residual block, which is obtained as a result of 10 entropy encoding, wherein the reference pixels and/or the prediction block pixels are predicted on the basis of a base pixel, and the predicted pixel value can be the sum of the pixel value of the base pixel and the difference between the pixel values of the base pixel and the generated pixel.

No. of Pages: 56 No. of Claims: 3

(22) Date of filing of Application :24/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR INDUCING A MERGE CANDIDATE BLOCK AND DEVICE USING SAME

(51) International classification :H04N19/593, (71)Name of Applicant: (31) Priority Document No 1)KT CORPORATION :10-2011-0096138 (32) Priority Date Address of Applicant :90 Buljeong-ro, Bundang-gu :23/09/2011 (33) Name of priority country Seongnam-city, Kyeonggi-do 463-711, Republic of Korea :Republic of Korea (86) International Application No Republic of Korea :PCT/KR2012/007176 (72) Name of Inventor: Filing Date :06/09/2012 (87) International Publication No : NA 1)LEE, Bae Keun (61) Patent of Addition to Application 2)KWON, Jae Cheol :NA 3)KIM, Joo Young :NA Filing Date (62) Divisional to Application Number :6681/DELNP/2013 Filed on :25/07/2013

(57) Abstract:

The present invention relates to a method for inducing a merge candidate block and a device 5 using same. An image decoding method involves decoding motion estimation region (MER) related information; determining whether or not a predicted target block and a spatial merge candidate block are included in the same MER; and determining the spatial merge candidate block to be an unavailable merge candidate block when the predicted target block and the spatial merge candidate block are included in the same MER. Accordingly, by parallely performing the 10 method for inducing a merge candidate, parallel processing is enabled and the computation amount and implementation complexity are reduced.

No. of Pages: 39 No. of Claims: 7

(22) Date of filing of Application :24/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR INDUCING A MERGE CANDIDATE BLOCK AND DEVICE USING SAME

(51) International classification :H04N19/593, (71)Name of Applicant: (31) Priority Document No 1)KT CORPORATION :10-2011-0096138 (32) Priority Date Address of Applicant :90 Buljeong-ro, Bundang-gu :23/09/2011 (33) Name of priority country Seongnam-city, Kyeonggi-do 463-711, Republic of Korea :Republic of Korea (86) International Application No Republic of Korea :PCT/KR2012/007176 (72) Name of Inventor: Filing Date :06/09/2012 (87) International Publication No : NA 1)LEE, Bae Keun (61) Patent of Addition to Application 2)KWON, Jae Cheol :NA Number 3)KIM, Joo Young :NA Filing Date (62) Divisional to Application Number :6681/DELNP/2013 Filed on :25/07/2013

(57) Abstract:

The present invention relates to a method for inducing a merge candidate block and a device 5 using same. An image decoding method involves decoding motion estimation region (MER) related information; determining whether or not a predicted target block and a spatial merge candidate block are included in the same MER; and determining the spatial merge candidate block to be an unavailable merge candidate block when the predicted target block and the spatial merge candidate block are included in the same MER. Accordingly, by parallely performing the 10 method for inducing a merge candidate, parallel processing is enabled and the computation amount and implementation complexity are reduced.

No. of Pages: 39 No. of Claims: 4

(21) Application No.1203/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :11/06/2009 (43) Publication Date : 29/04/2016

(54) Title of the invention: Shared Fuse Wrapper Architecture for Memory Repair

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:NA :NA :NA	(71)Name of Applicant: 1)STMicroelectronics Pvt. Ltd Address of Applicant: Plot No. 1 Knowledge Park III Greater Noida - 201308 UP India. Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)SINGH Viraj Vikram 2)BANSAL Ashish
(61) Patent of Addition to Application Number	:NA	3)RAMANUJAM Rangarajan
Filing Date	:NA	S)Minimi Comin Rangarajan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A memory repair mechanism for the memories clustered across the multiple power domains and can be switched on and off independent of each other, thereby enabling low power operation. This is achievable by enhancements in the shared Fuse Wrapper Architecture that enables sharing of a plurality of parallel links connecting the memory blocks of each power domains to the Shared Fuse Wrapper architecture.

No. of Pages: 32 No. of Claims: 30

(22) Date of filing of Application: 18/12/2014 (43) Publication Date: 29/04/2016

(54) Title of the invention : APPARATUS AND METHOD FOR ASCERTAINING A TYPE OF SPECTACLE LENS AND APPARATUS AND METHOD FOR DETERMINING A REFRACTIVE POWER DISTRIBUTION OF A PROGRESSIVE SPECTACLE LENS

 (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 	:A61B 3/10 :61/673938 :20/07/2012 :U.S.A. :PCT/US2013/051529 :22/07/2013 :WO 2014/015344 :NA :NA	(71)Name of Applicant: 1)CARL ZEISS VISION INTERNATIONAL GMBH Address of Applicant: Gartenstrasse 97 73430 Aalen Germany 2)CARL ZEISS VISION INC. 3)CARL ZEISS VISION IRELAND LTD. (72)Name of Inventor: 1)SAUR Konrad 2)BEGLEY Paraic 3)SPRATT Ray Steven 4)KRATZER Timo
Filing Date (62) Divisional to Application Number	:NA	· ·
Filing Date	:NA	

(57) Abstract:

The invention relates to an apparatus (100) for ascertaining and outputting a type of spectacle lens suitable for a spectacle wearer with a visual characteristics providing device (104a) for providing visual characteristics of the spectacle wearer a needs providing device (104b) for providing individual needs of the spectacle wearer a spectacle lens type providing device (104c) for providing a plurality of types of spectacle lenses having predetermined characteristics a desired characteristics ascertaining device (106a) for ascertaining desired characteristics (4100) of a type of spectacle lens using the provided visual characteristics and the provided individual needs of the spectacle wearer an assigning device (106b) for assigning at least one type of spectacle lens from among the plurality of types of spectacle lenses to the desired characteristics on the basis of predetermined assignment rules and a spectacle lens type outputting device (108,112) for outputting the at least one assigned type of spectacle lens. The invention also relates to a method for ascertaining and outputting a type of spectacle lens suitable for a spectacle wearer and also a computer program for carrying out the method.

No. of Pages: 68 No. of Claims: 24

(22) Date of filing of Application :24/12/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: USE OF AN AMPHOTERIC CHELATING AGENT FOR PREVENTING CONTACT ALLERGIES

 (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 	:A61K31/197 :12 56939 :18/07/2012 :France :PCT/FR2013/051718 :17/07/2013 :WO 2014/013195 :NA :NA	(71)Name of Applicant: 1)PREVOR INTERNATIONAL Address of Applicant: 243 Rue de Vaugirard F 75015 Paris France (72)Name of Inventor: 1)BLOMET Jo«l 2)MATHIEU Laurence 3)MEYER Marie Claude
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(57) Abstract:

The invention relates to the use of at least one amphoteric chelating agent which comprises a complex based on aluminium and on ethylenediammetetraacetic acid or the trisodium sait thereof, having the g^a nerai formula [Al(Y)Bn]c'Dc with B being OH, BO2 or H+,Y being a tracarboxylate which can be protonated four times to form ethylenediammetetraacetic acid, n being an integer equal to 0, 1, 2 or 3, D being a counterion, preferably Na+, c being an integer equal to 0, 1, 2 or 3 and c' being a relative number having the same absolute value as c, for preventing contact allergies. It also relates to a device, a part of which comprises said amphoteric chelating agent.

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

(22) Date of filing of Application :01/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: INDICATION OF OPERATING STATUS OF AN ELECTRICAL APPLIANCE

	~	
(51) International classification	:C12Q	(71)Name of Applicant:
(31) Priority Document No	:PI	1)O.Y.L. RESEARCH & DEVELOPMENT CENTRE SDN
(81) 1110110j 2 00 miletio 110	2014702345	BHD
(32) Priority Date	:21/08/2014	Address of Applicant :Lot 60334, Persiaran Rahman Putra 3,
(33) Name of priority country	:Malaysia	Taman Perindustrian Bukit Rahman Putra, 47000 Sungai Buloh,
(86) International Application No	:NA	Selangor, Malaysia Malaysia
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TEE Boon Siong
(61) Patent of Addition to Application Number	:NA	2)SOO Chan Chuan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides a method and circuit for indicating a range of operating status of an electrical appliance wherein the indication provides a variation of colors patterns and intensity froin a single multicolor LED (Dl). Pulse width modulated (PWM) electrical signals are applied to the circuit to drive the single multi-colour LED. The circuit comprises a inicro controller unit (MCU) (1 1 O), a plurality of integrated measuring circuits (1 2 1, 122, 123, 124), transistors (TI, T2), current limiting resistors (R1, R2, R3, R4, R5, R6) and a single bi-colour LED (D 1). A power supply (107) is connected to the circuit. The most illustrative drawing: Fig. 1

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

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: INSTALLATION SYSTEM FOR PHOTOVOLTAIC MODULES

 (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 	:F24J2/52 :61/509471 :19/07/2011 :U.S.A. :PCT/US2012/047496 :19/07/2012 :WO 2013/013106	(71)Name of Applicant: 1)BRITTMORE GROUP LLC Address of Applicant: A Corporation of The State of California 155 S. 12th Street San Jose CA 95112 U.S.A. (72)Name of Inventor: 1)BRITCHER Eric Bramwell 2)MOORE Jeffrey Allen
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A solar panel array is formed of a plurality of solar panels juxtaposed with one another along an array axis and has a support element having first and second support terminations disposed substantially orthogonal to the array axis with an unobstructed spatial region intermediate of the first and second support terminations. A vehicle transports the solar panels and has wheels arranged on opposing sides thereof. First and second track structures extend along the array axis and are coupled to respective ones of the first and second support terminations. The track structures each have an elongated portion for engaging and supporting respective ones of the vehicle wheels whereby the vehicle travels along the tracks while carrying a solar panel and at least a portion of the vehicle is disposed within the unobstructed spatial region. One of the tracks accommodates the wiring for the solar panel array.

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

(21) Application No.11456/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND DEVICE FOR TREATING GAS BY INJECTING A POWDERED COMPOUND AND AN AQUEOUS PHASE

 (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 	:B01D53/50,B01D53/80,F23J7/00 :2013/0435 :25/06/2013 :Belgium :PCT/EP2014/063017 :20/06/2014 :WO 2014/206880 :NA	(71)Name of Applicant: 1)S.A. LHOIST RECHERCHE ET DEVELOPPEMENT Address of Applicant :rue Charles Dubois 28 B 1342 Ottignies Louvain la Neuve Belgium (72)Name of Inventor: 1)PETTIAU Xavier 2)NYSSEN Olivier 3)BRASSEUR Alain 4)LAUDET Alain
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The invention relates to a method for treating a gas comprising the following steps: injecting a powdered compound into the gas line, injecting an aqueous phase in droplet form into said line, capturing pollutants from the gases, and recovering said powdered compound separately. The step for injecting an aqueous phase in droplet form is done so as to moisten those particles of powdered compound in the gas line, when they are injected.

No. of Pages: 39 No. of Claims: 25

(21) Application No.11457/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: DEVICE, APPARATUS AND METHOD FOR DESALINATING SEAWATER

(51) International classification :B01D1/00,B01D1/22,B01D5/00 (71)Name of Applicant :

:NA

(31) Priority Document No :13382196.7 (32) Priority Date :28/05/2013

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2014/060928

Filing Date :27/05/2014

(87) International Publication No: WO 2014/191398

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

Filing Date

1)CENTRE INTERNACIONAL DE M‰TODES

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(72)Name of Inventor:

1)ARNAU DEL AMO Pedro Antonio 2)O'ATE IB C'EZ DE NAVARRA Eugenio

3)HANGANU Dan Alexandru 4)NAVARRO NAVARRO Naeria

(57) Abstract:

A device for desalinating seawater comprises at least three plates (20, 21, 22), at least two evaporation chambers, each of them delimited by two consecutive plates, and entrance means (24) to feed the evaporation chambers with seawater to be desalinated, said entrance means being suit able to feed all the evaporation chambers with seawater from a common source, so that at least one plate is suitable to operate as a condensation surface in one chamber and as an evaporation surface in the next chamber. The device may be arranged in any coastal system that requires a heat flux of low thermal intensity between a hot source (60) and a cold sink (70). The device guarantees said heat flux by means of vapour generation, transportation and condensation, whereby condensed water is collected as a valuable by-product. A method of desalinating seawater comprises the steps of deaerating the seawater to be desalinated and feeding all the evaporation chambers with said deaerated seawater.

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

(21) Application No.11458/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ASSAY DEVICE EMPLOYING FLUORESCENT LABELS

(51) International classification :G01N21/64,G01N33/483,G02B7/02

(31) Priority Document No :2013902222

(32) Priority Date :19/06/2013 (33) Name of priority :Australia

country (86) International PCT/AN2014

Application No :PCT/AU2014/050079

Filing Date :18/06/2014

(87) International Publication: WO 2014/201520

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)ELLUME PTY LTD

Address of Applicant :57 Didsbury St East Brisbane

Queensland 4169 Australia (72)Name of Inventor: 1)PARSONS Sean Andrew 2)HAZELL Michael Stuart

3)LARA David

(57) Abstract:

An assay device is disclosed comprising a housing (10) and a test portion (2), electronic circuitry (30) and an optical assembly (41), each at least partially located in the housing (10). The test portion (2) comprises one or more test zones (2E,2F) adapted to receive an analyte (22) and a fluorescent label associated with the analyte, the fluorescent label being excitable by excitation light and adapted to emit emission light upon excitation by excitation light. The electronic circuitry (30) comprises one or more light sources (3 1,32) and one or more light detectors (33). The optical assembly (41 -44) comprises one or more excitation light guides (41,44) adapted to guide excitation light from the one or more light sources (31,32) to the one or more test zones (2e,2f), and/or one or more emission light guides (43,44) adapted to guide emission light guides (43,44) and excitation light guides (41,44) may also take the form of individual integral one-piece light guide units where the emission light guide unit rests within the excitation light guide unit.

No. of Pages: 40 No. of Claims: 41

(21) Application No.11459/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ANTI TRANSFERRIN RECEPTOR ANTIBODIES AND METHODS OF USE

(51) International classification :C07K16/28,C07K16/40,A61K39/395

(31) Priority Document No :61/825477 (32) Priority Date :20/05/2013

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/038847

Application No
Filing Date

1.1C1/03201
20/05/2014

(87) International :WO 2014/189973

Publication No
(61) Patent of Addition to
Application Number

NA

Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor:

1)ZHANG Yin

2)ZUCHERO Joy Yu 3)ATWAL Jasvinder 4)COUCH Jessica 5)DENNIS Mark 6)ERNST James

7)WATTS Ryan 8)LAZAR Gregory A.

(57) Abstract:

The present invention relates to anti-transferrin receptor antibodies and methods of their use.

No. of Pages: 295 No. of Claims: 74

(21) Application No.1309/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :11/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VIBRATION ISOLATING DEVICE

(51) International classification	:F16F	(71)Name of Applicant:
(21) Priority Dogument No.	:2014-	1)Hitachi, Ltd.
(31) Priority Document No	107679	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:26/05/2014	Tokyo 1008280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)UEKI Yosuke
Filing Date	:NA	2)ISHITSUKA Norio
(87) International Publication No	: NA	3)OKAMOTO Takeshi
(61) Patent of Addition to Application Number	:NA	4)KOWATARI Takehiko
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

To provide a vibration isolating device that has a high reliability of bolt fastening, a high manufacturability and a high vibration isolating effect in a low frequency region. [Solution] With a vibration isolating device according to the present invention, a part of the interface between an insert member for bolt fastening and a resin molding is a sliding surface at which no vibration isolating rubber is provided, and the rigidity of a vibration absorbing part is reduced. [Selected Drawing] FIG. 3

No. of Pages: 15 No. of Claims: 3

(21) Application No.1264/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :06/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DOOR STOP

(51) International classification	:E05B	(71)Name of Applicant:
(31) Priority Document No	:10 2014 108 023.8	1)Dr. Ing. h.c. F. Porsche Aktiengesellschaft Address of Applicant :Porscheplatz 1, 70435 Stuttgart,
(32) Priority Date	:06/06/2014	Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)ZIEGLER, Benny
Filing Date	:NA	2)KOHLER, Andreas
(87) International Publication 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 door stop is connected to the door and to the body shell of a motor vehicle. When the door is opened, a latching rod is guided by a housing. Springs which act from the housing on the latching rod operate from all four sides or from two planes. As a result, it is possible to hold the door in the designated positions. In which manner and how much force acts on the latching rod are crucial here. As a result, it is directly determined how much force is necessary in order to open the door. The holding force or the force which is required in order to bring the door into the desired position is crucial here for the comfort. The basic concept in this door stop is that two planes of action which are independent of each other are formed by the spring elements acting in the vertical and horizontal direction. The effect is therefore achieved that an easily changeable action characteristic can be obtained, as a result of which a better latching function and therefore greater comfort are achieved.

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

(21) Application No.1266/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: REVERSIBLE POLYMERS IN 3-D PRINTING

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:C08F :14/285,515 :22/05/2014 :U.S.A.	
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MAYO, James Daniel
(87) International Publication No(61) Patent of Addition to Application Number Filing Date	: NA :NA :NA	2)DOOLEY, Brynn Mary
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An ink jettable 3-D material composition includes a reversible polymer material, which can reversibly transition between a liquid state and a solid state by reversible cyclo-addition reactions, wherein upon cooling, the reversible polymer material transitions from a liquid state to a solid state by reversible cyclo-addition reactions within a time period of less than about 10 seconds.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :03/06/2008 (43) Publication Date : 29/04/2016

(54) Title of the invention: A SYSTEM AND METHOD OF PROBABILISTICALLY INVALIDATING A CACHE

(51) International classification	:G06F12/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)IBIBO (MAURITIUS) LTD
(32) Priority Date	:NA	Address of Applicant :IFS COURT, TWENTY EIGHT,
(33) Name of priority country	:NA	CYBERCITY, EBENE, MAURITIUS Mauritius
(86) International Application No	:NA	2)IBIBO WEB PVT.LTD
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)ASHISH SHINDE
(61) Patent of Addition to Application Number	:NA	2)NEERAJ KOUL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a method and system of estimating the probability of change for a data item stored in a cache comprising independently estimating the probability of change for the data item stored in the cache using predetermined heuristic rules applicable to the domain of the data item; independently estimating the probability of change for the data item stored in the cache using trend analysis of changes in data for the domain of the data item; and estimating the probability of change for the data item by combining the probability values independently estimated. The invention also relates to a method and system for probabilistically invalidating a cache.

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

(21) Application No.1327/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : CORE YARN SUPPLYING UNIT, CORE YARN SUPPLYING DEVICE, SPINNING MACHINE, AND CORE YARN SUPPLYING METHOD

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Murata Machinery, Ltd.
(61) 1110110 2 00 01110110 1 (0	122198	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:13/06/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIOTA Takeshi
Filing Date	:NA	
(87) International Publication 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 core yarn supplying unit (50) includes a core yarn feeding section (90) arranged to feed out a yarn end of a core yarn (C); a tension applying section (60) adapted to apply a tension to the core yarn (C); and a slack applying section (70) adapted to apply slack to the core yarn (C) between the core yarn feeding section (90) and the tension applying section (60). The tension applying section (60) includes a tension applying mechanism adapted to apply the tension to the core yarn (C), and an operating mechanism adapted to change the tension applying mechanism to a tension applying state and a tension non-applying state.

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

(21) Application No.1328/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR THE PREPARATION OF HUMAN ALBUMIN WITH REDUCED LEVEL OF DISSOLVED OXYGEN

(-)	1)GRIFOLS, S.A. Address of Applicant : C/JESšS Y MAR • A, 6, 08022 - bain A (72)Name of Inventor : 1)JORQUERA NIETO JUAN IGNACIO 2)ORTIZ FERNANDEZ ANA MARIA A 3)COSTA RIEROLA MONTSERRAT A
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(57) Abstract:

The present invention relates to a method for the preparation of a solution of human albumin, more particularly it relates to a method comprising a stage of reduction of the dissolved oxygen in said solution of albumin until a concentration equal to or less than 0.5 ppm. With the method of the present invention it is possible to obtain a solution of human albumin having a redox state closer to the redox state of the albumin present in human plasma.

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

(21) Application No.1217/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :15/06/2009 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND SYSTEM OF COMMUNICATION AMONG INFORMERS AND RECEIVERS BY FORWARDING INFORMATION THROUGH SMS/SEARCH ENGINE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:G06F15/16, :NA :15/06/2009 :India :NA :NA	(71)Name of Applicant: 1)MR.RAJENDER KUMAR NANGIA Address of Applicant:29 - NITI KHAND-III, INDIRAPURAM, GHAZIABAD 201010.U.P. Uttar Pradesh India (72)Name of Inventor:
 (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	1)MR.RAJENDER KUMAR NANGIA

(57) Abstract:

The present invention relates to a method for providing service and information through communication devices comprising the steps of lodging a request made by a requester for any service and / or information solution; configuring the system for capturing the CLI and rejecting the call; finding out the request type and saving it into system; sending the response to the requester as per the data available in the database for the request and request details along with requester details is forwarded to the request handler for handling the request; fulfilling the request placed by the request handler; and recordal of request details, response details, requester details, request handler details along with date and time into a dedicated database server and a system for providing service and information through communication devices adopting the said method.Fig. 1

No. of Pages: 53 No. of Claims: 20

(21) Application No.1282/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/02/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A BUBBLE COLUMN REACTOR FOR PROCESSING A MULTI-PHASE REACTION MEDIUM

(51) International classification	:B01J19/24,	(71)Name of Applicant :
(31) Priority Document No	:60/756,327	1)GRUPO PETROTEMEX S.A. DE C.V.
(32) Priority Date	:04/01/2006	Address of Applicant :of Ricardo Margain No. 444, Torre sur,
(33) Name of priority country	:U.S.A.	Piso 16 Col Valle del Campestre, 66265 san Pedro Garza Garcia,
(86) International Application No	:PCT/US2006/048644	Nuevo Leon (81) 8748 1500, Mexico Mexico
Filing Date	:20/12/2006	(72)Name of Inventor:
(87) International Publication No	:WO/2007/081513	1)ALAN GEORGE WONDERS
(61) Patent of Addition to Application	:NA	2)THOMAS EARL WOODRUFF
Number	:NA	3)RONALD BUFORD SHEPPARD
Filing Date	.IVA	4)WAYNE SCOTT STRASSER
(62) Divisional to Application Number	:5465/DELNP/2008	
Filed on	:24/06/2008	

(57) Abstract:

A bubble column reactor for processing a multi-phase reaction medium, said bubble column comprising an external reaction vessel and an internal structure at least partly disposed in said external reaction vessel, wherein a reaction zone is defined inside said external reaction vessel and outside said internal structure, wherein at least one quiescent zone is defined inside said internal structure, wherein said quiescent zone includes therein at least one location that is spaced from said reaction zone by at least about 0.2 meters or 0.05 times the maximum horizontal diameter of the external reaction vessel, whichever is larger.

No. of Pages: 139 No. of Claims: 13

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention : APPARATUS METHOD AND ARTICLE FOR PROVIDING LOCATIONS OF POWER STORAGE DEVICE COLLECTION CHARGING AND DISTRIBUTION 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 	:26/07/2012 :WO 2013/016561 :NA	(71)Name of Applicant: 1)GOGORO INC. Address of Applicant: Walker House 87 Mary Street George Town Grand Cayman KY1 9005 Cayman Island (72)Name of Inventor: 1)WU Yi Tsung 2)TAYLOR Matthew Whiting 3)LUKE Hok Sum Horace 4)CHEN Jung Hsin
` '		,
Filing Date	:NA	

(57) Abstract:

A network of collection charging and distribution machines collect charge and distribute portable electrical energy storage devices (e.g. batteries supercapacitors or ultracapacitors). Locations of collection charging and distribution machines having available charged portable electrical energy storage devices are communicated to or acquired by a mobile device of a user or a navigation system of a user s vehicle. The locations are indicated on a graphical user interface on a map relative to the user s current location. The user may select particular locations on the map to reserve an available portable electrical energy storage device at a particular collection charging and distribution machine locations. The collection charging and distribution machine locations displayed may also be based on a physical distance or driving time from the current location of the user mobile device or vehicle.

No. of Pages: 60 No. of Claims: 24

(21) Application No.1345/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/02/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention : METHOD AND IMAGE PROCESSING SYSTEM FOR DETERMINING PARAMETERS OF A CAMERA

 (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 	:28/09/2012 :WO 2014/048481 :NA :NA :NA	(71)Name of Applicant: 1)FAYTEQ AG Address of Applicant: Erich Kstner Strasse 1 99094 Erfurt Germany (72)Name of Inventor: 1)HERLING Jan 2)BROLL Wolfgang
Filing Date	:NA	

(57) Abstract:

The invention relates to a method and an image processing system for determining parameters of a camera. According to the method an image of a surrounding area is captured by the camera and camera parameters are initially determined. Furthermore a three dimensional geometric description of visual features (02) of the surrounding area is provided. A feature detector is used on the captured image in order to extract visual features (01). The initially determined camera parameters are applied to the three dimensional geometric description of the visual features (02) of the surrounding area in order to display said visual features on a feature image. According to the invention a quantity of the visual features (01) extracted from the image is compared with a quantity of the visual features (02) in the feature image in order to determine a degree of concordance between the two quantities. The camera parameters are changed repeatedly in order to determine additional feature images for which the degree of concordance is determined until said degree exceeds a threshold.

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

(21) Application No.1172/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/02/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CELL PHONE CASE WITH INTEGRAL RESILIENT SUSPENSION HOOK

 (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 	:13/09/2013 :WO 2014/036570 :NA :NA	(71)Name of Applicant: 1)ZUNA DESIGNZ LLC Address of Applicant: P.O. Box 4037 Santa Barbara CA 93140 U.S.A. (72)Name of Inventor: 1)STEINER Russell C.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

A protective cover for a personal electronic device incorporates a case (12) received over the personal electronic device (10) and providing viewing of a screen (10a) on the personal electronic device. At least one suspension flap (14) has a first position extending over an upper edge of the personal electronic device substantially flush with the case and a second position released from the upper edge and rotated rearward. The flap includes an angled element (16) to engage a vent slat to suspend the personal electronic device.

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

(22) Date of filing of Application :08/05/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : VALVE DEVICE FOR CHANGING OVER THE MASS FLOW OF ROD-LIKE ARTICLES IN CONVEYING CHANNELS OF THE TOBACCO INDUSTRY

 (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 	:P.408357 :28/05/2014 :Poland	(71)Name of Applicant: 1)INTERNATIONAL TOBACCO MACHINERY POLAND SP. Z O. O. Address of Applicant: UL. WARSZTATOWA 19 A, 26-600 RADOM, POLAND Poland (72)Name of Inventor: 1)UGREWICZ, GRZEGORZ
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(57) Abstract:

The object of the invention is a valve device for changing over the mass flow of rod-like articles of the tobacco industry, between at least two non-parallel conveying channels feeding the rod-like articles and a conveying channel receiving the rod-like articles or between a conveying channel feeding the rod-like articles and at least two non-parallel conveying channels receiving the rod-like articles, comprising at least one rotatable element changing over the mass flow comprising a through channel for the transfer of the mass flow between the feeding conveying channel and the receiving conveying channel, with the rotatable change-over element having different angular positions relative to its principally horizontal axis of rotation which allow connecting individual feeding and receiving channels, characterised in that in the rotatable change-over element (4) at least one conveying unit (5) situated at the wall (7a, 7b, 7c, 7d) of a through channel (7) of the rotatable change-over element (4) is disposed, with the conveying unit (5) having an operating section (8a, 8b, 8c, 8d) supporting the mass flow of the rod-like articles (E) via the through channel (7) in the direction from the feeding channel (2, 2a, 2b) to the receiving channel (3, 3a).

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

(22) Date of filing of Application :14/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PORTABLE GROUND BASED AUGMENTATION 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 	:B65H :14/319,363 :30/06/2014 :U.S.A. :NA :NA	, ·
 (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	2)JANET SUZANNE BOOTH

(57) Abstract:

A method and apparatus of generating navigation information (220) for an aircraft (202). Satellite signals (212) are 5 received (1400) at a group of reference receivers (308) at a group of locations (326). A level of accuracy (352) is identified (1404) for the group of reference receivers (308) based on satellite data (320) formed from the satellite signals (212). It is indicated (1406) when the group of locations (326) 10 of the group of reference receivers (308) does not meet a desired level of accuracy (350). Messages (322) are generated (1408) using the navigation information (220) from the satellite data (320) when the group of reference receivers (308) has the desired level of accuracy (350).

No. of Pages: 62 No. of Claims: 14

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CHAMBER FOR CONDUCTORS OF ELECTRIC 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 Application Number 	:H01B :14169872.0 :26/05/2014 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN,SWITZERLAND Switzerland (72)Name of Inventor: 1)BIALIK,JANUSZ 2)CLEMENCE, LAURENT DIDIER JEAN 3)MADLE, DUNCAN 4)SIMON, JEAN-NOEL 5)ANA,CRISTIAN
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present disclosure relates to a chamber for housing strands of a stator bar for electric machines. The-problem to provide-a-reliable chamber f or a statoiTbaj. of an electric machine is solved with a stator bar chamber engaging a stator bar in an electric machine, the chamber encompassing a number of hollow conductors in a first straight part of the chamber, a number of hollow conductors in a second tapered part, and a number of hollow conductors and adjacent solid conductors in a third straight part, whereas the first part of the chamber is closed with a ring mounted at the edge of the first part and a nipple adapted to the ring. The problem is further solved with a manufacturing method for a stator bar chamber comprising the steps of arranging a number of hollow conductors in a first straight part of the chamber, arranging the number of hollow conductors in a second tapered part of the. chamber, and arranging the number of hollow conductors and adjacent solid conductors in a third straight part of the chamber, closing the first part of the chamber with a ring by mounting the ring at the edge of the first part and adapting a nipple to the ring.

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

(21) Application No.10875/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD OF ACYLATING AN AROMATIC COMPOUND

 (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 	:03/07/2014 :WO 2015/001032 :NA :NA	(71)Name of Applicant: 1)DSM IP ASSETS B.V. Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor: 1)H-LDERICH Wolfgang 2)EISENACHER Matthias 3)AREND Matthias 4)VENSCHOTT Moritz
Filing Date	:NA	

(57) Abstract:

The present invention relates to a method of acylating a substituted aromatic compound. The substituted aromatic compound is reacted with an acylating agent in the presence of a macroreticular sulfonic acid ion exchange resin having a water-to-phenol shrinkage between 25 % and 40 %. The method is very advantageous in that the resin is deactivated much less than other resins without a fast drop in conversion and selectivity in the reaction.

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

(22) Date of filing of Application :04/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PLANT FOR GENERATING ELECTRIC POWER FROM A FLOWING MEDIUM

(51) International classification	:F03B	(71)Name of Applicant:
(31) Priority Document No	:A 426/2014	1)ANDRITZ HYDRO GMBH Address of Applicant :A-1120 Vienna, Eibesbrunnergasse 20,
(32) Priority Date		Austria Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:NA	1)ALEXANDER BIHLMAYER
Filing Date	:NA	2)GNTER HETZMANNSEDER
(87) International Publication 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 plant for generating electric power from a flowing medium, e.g. water. The invention is primarily characterised in that one or more turbine generator units (1) are provided in the diversion tunnel(2) of a weir system. 111 this way, a diversion tunnel that is normally closed off after construction work has been completed can be used 5 to generate energy.

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

(22) Date of filing of Application :14/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: EXHAUST GAS SAMPLING MECHANISM AND EXHAUST GAS ANALYSIS APPARATUS

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:2014- 102290	1)HORIBA, Ltd. Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:16/05/2014	Minami-ku, Kyoto-shi, Kyoto 601-8510 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)FUKAMI, Shun
Filing Date	:NA	2)ONDA, Yoshihisa
(87) International Publication No	: NA	3)HANADA, Kazuo
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention discloses an exhaust gas sampling mechanism which can prevent condensed water droplets in exhaust gas from being sampled by a sampling probe and advantageously sample only the gas components of the exhaust gas to be measured, thereby maintaining a high response speed in analyzing the exhaust gas, the exhaust gas sampling mechanism includes: the sampling probe disposed in a flow path through which the exhaust gas flows, for sampling the exhaust gas; and a gas-permeable cover which covers at least an upstream portion or a lateral surface portion of the sampling probe in the flow path, and has a water droplet removing structure. Fig. 3

No. of Pages: 23 No. of Claims: 6

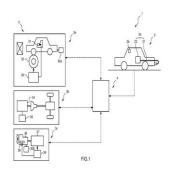
(22) Date of filing of Application :14/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : VEHICLE TEST SYSTEM, TEST CONDITION DATA GENERATION APPARATUS, TEST CONDITION DATA GENERATION PROGRAM RECORDING MEDIUM, AND VEHICLE TEST METHOD

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HORIBA, Ltd.
(31) Thority Document No	103854	Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:19/05/2014	Minami-ku, Kyoto-shi, Kyoto 601-8510 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KOMADA, Mineyuki
Filing Date	:NA	2)SADO, Yasuyuki
(87) International Publication No	: NA	3)SHIOMI, Kazuhiro
(61) Patent of Addition to Application Number	:NA	4)URATANI, Katsumi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention discloses a vehicle test system which intends to comprehensively manage and operate multiple types of test apparatuses to smoothly perform vehicle development, problem correction, and the like. For this purpose, the vehicle test system includes: an actual running data acquisition apparatus that acquires actual running data that is data related to states inside and outside of a vehicle in running on a road; multiple types of test apparatuses 3a, 3b, and 3c each of which performs a drive test or an operation test of a vehicle or a part of the vehicle in accordance with set test conditions; and a test condition data generation apparatus that from the actual running data, generates test condition data indicating test conditions necessary to reproduce a part or all of the running states indicated by the actual running data in a test apparatus specified from among the multiple types of test apparatuses 3a, 3b, and 3c. FIG. 1



No. of Pages: 39 No. of Claims: 7

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LASER WELDING METHOD

(51) International classification	:B23K	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
	106061	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:22/05/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HISADA Kohei
Filing Date	:NA	2)HIOKI Toru
(87) International Publication No	: NA	3)MAKINO Junichiro
(61) Patent of Addition to Application Number	:NA	4)OGUSU Kazuyuki
Filing Date	:NA	5)NAKATA Masahiro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A laser welding method includes: projecting a laser beam onto irradiation regions on plural metallic workpieces such that a weld section is formed when the workpieces are joined by laser welding, the weld section being formed of plural nuggets, and each of the irradiation regions being formed with each of the nuggets. The nuggets are sequentially formed by sequentially projecting the laser beam onto the irradiation regions that respectively correspond to the nuggets. The laser beam is projected onto each of the irradiation regions such that an amount of input heat from the laser beam that is projected onto each of the irradiation regions to the workpiece is reduced as the nuggets are sequentially formed. REFER TO FIG. 3

No. of Pages: 36 No. of Claims: 4

(21) Application No.11428/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : APPARATUS FOR LIFTING A LADLE AND SETTING SAME DOWN AGAIN PLANT HAVING SUCH AN APPARATUS AND METHOD

(51) International classification :B66C17/10,B22D41/12 (71)Name of Applicant : (31) Priority Document No :102013213718.4 1)PRIMETALS TECHNOLOGIES AUSTRIA GMBH (32) Priority Date :12/07/2013 Address of Applicant: Turmstrasse 44 4031 Linz Austria (33) Name of priority country (72)Name of Inventor: :Germany :PCT/EP2014/063639 (86) International Application No 1)HARTER Andreas Filing Date :27/06/2014 (87) International Publication No :WO 2015/003925 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The invention relates to an apparatus (1) for lifting, and setting down again, a ladle (9) for handling liquid metal (8) in the ladle (9) by means of a handling device (3), wherein the apparatus (1) comprises: - at least three vertically oriented metal struts (2), - at least two horizontally oriented transverse struts (2a), wherein each transverse strut (2a) connects two of the metal struts (2) together and is fastened thereto, - two transverse beams (5), wherein each transverse beam (5) is connected to one of the transverse struts (2a) in a movable manner in the vertical direction, - atleast one positioning element (4) for moving in each case one transverse beam (5), wherein each positioning element (4) is connected on one side to one of the transverse struts (2a) and on the other side to one of the transverse beams (5) such that the transverse beams (5) are movable independently of one another, - in each case one ladle pick-up element (7) which is connected to each particular transverse beam (5) and by means of which the ladle (9) is able to be picked up, and - atleast one positioning means (4) for orienting a position of each particular ladle pick-up element (7).

No. of Pages: 25 No. of Claims: 19

(21) Application No.11429/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHODS OF TREATING SKIN BARRIER AND REDUCING ACNE USING AN EXTRACT OF MALVA NEGLECTA

(51) International classification :A61K8/63,A61Q19/00,A61K8/97 (71)Name of Applicant : (31) Priority Document No 1)JOHNSON & JOHNSON CONSUMER INC. :13/947473 (32) Priority Date :22/07/2013 Address of Applicant: 199 Grandview Road Skillman New (33) Name of priority country Jersey 08558 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2014/047630 1)BATCHVAROVA Nikoleta :22/07/2014 Filing Date 2)PAPPAS Apostolos (87) International Publication :WO 2015/013282 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

(57) Abstract:

Filing Date

A method of treating acne by applying to the skin an extract of Malva neglecta topically to the area of skin affected by acne to increase ceramide production at the area of skin affected by acne to treat and/or improve the acne. Additionally, cholesterol may also be applied to the area of skin along with the Malva neglecta to treat and/or improve the acne.

No. of Pages: 40 No. of Claims: 13

(21) Application No.1362/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: REFRIGERATOR

 (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 	:10-2014- 0058823 :16/05/2014 :Republic of Korea :NA :NA	(71)Name of Applicant: 1)LG ELECTRONICS INC. Address of Applicant: 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea. Republic of Korea (72)Name of Inventor: 1)JINSEOK HU
* /		7
Filing Date	:NA	
(61) Patent of Addition to Application Number	: NA :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

Provided is a refrigerator. A thermoelectric module is disposed on a top surface of an ice compartment defined in a refrigerator door to discharge hot air through a cap deco disposed on a top surface of the door so that efficient ice making in the ice compartment is realized independently from a refrigeration cycle.

No. of Pages: 39 No. of Claims: 18

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR OPENING A DRAFTING SYSTEM AND DRAFTING SYSTEM

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:10 2014	1)Rieter Ingolstadt GmbH
	107 597.8	Address of Applicant :Friedrich-Ebert-Strasse 84, 85055
(32) Priority Date	:28/05/2014	Ingolstadt, Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Michael Strobel
Filing Date	:NA	2)Manfred Wagner
(87) International Publication No	: NA	3)Imadettin Karalar
(61) Patent of Addition to Application Number	:NA	4)Gerhard Scheidl
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a method for opening a drafting unit (1) having a plurality of roller pairs for drafting a fiber sliver (2), said fiber sliver (2) being tensioned between a transport roller pair (6) and a drafting unit (1) comprising at least one intake and one discharge roller pair (10, 12), preferably one intake, at least one middle, and one discharge roller pair (10, 11, 12), each roller pair of the drafting unit (1) comprising at least one top and one bottom roller. Prior to opening at least the intake and/or middle roller pair (10, 11) of the drafting unit (1), the tensioning of the fiber sliver (2) between the transport roller pair (6) and the drafting unit (1) is reduced, particularly eliminated. The invention further relates to a corresponding drafting unit, the tensioning of the fiber bundle (2) between the transport roller pair (6) and the drafting unit (1) being reduced, particularly eliminated, by means of a mechanical or electrical coupling or controller prior to opening at least the intake and/or middle roller pair (10, 11) of the drafting unit (1). Refer to Figure 1

No. of Pages: 25 No. of Claims: 18

(22) Date of filing of Application :16/12/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: FUNGICIDAL HETEROCYCLIC CARBOXAMIDES

(F1) Intermeticanal alegainian	·C07D417/14	(71) Nome of Applicant.
(51) International classification	:C07D417/14	(71)Name of Applicant:
(31) Priority Document No	:61/666531	1)E. I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:29/06/2012	Address of Applicant :1007 Market Street Wilmington DE
(33) Name of priority country	:U.S.A.	19898 U.S.A.
(86) International Application No	:PCT/US2013/044951	(72)Name of Inventor:
Filing Date	:10/06/2013	1)BEREZNAK James Francis
(87) International Publication No	:WO 2014/004064	2)GUTTERIDGE Steven
(61) Patent of Addition to Application	:NA	3)TAGGI Andrew Edmund
Number		4)REDDY Ravisekhara P.
Filing Date	:NA	5)CAMPBELL Matthew James
(62) Divisional to Application Number	:NA	6)KAR Moumita
Filing Date	:NA	7)DESAEGER Johan A. J.

(57) Abstract:

Disclosed are compounds of Formula 1 including all stereoisomers oxides and salts thereof wherein L is C(R)R C(R)R wherein the carbon atom bonded to Rand R is also bonded to the carboxamide nitrogen atom in Formula 1; or 1 2 phenylene optionally substituted with up to 4 substituents independently selected from halogen and C C alkyl; and A Z R R n G and Q are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling plant disease caused by a fungal pathogen comprising applying an effective amount of a compound or a composition of the invention. Also disclosed are methods for controlling a phytophagous nematode comprising contacting the nematode or its environment with a nematocidally effective amount of a compound of Formula 1 wherein L is C(R)R C(R)R; and A Z R R n G and Q are as defined in the disclosure.

No. of Pages: 204 No. of Claims: 13

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VEHICLE TEST SYSTEM, TEST MANAGEMENT APPARATUS, TEST MANAGEMENT PROGRAM RECORDING MEDIUM, AND VEHICLE TEST METHOD

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HORIBA, Ltd.
(31) I Hority Document No	103853	Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:19/05/2014	Minami-ku, Kyoto-shi, Kyoto 601-8510 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KOMADA, Mineyuki
Filing Date	:NA	2)URATANI, Katsumi
(87) International Publication No	: NA	3)SADO, Yasuyuki
(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 mainly intends to provide a vehicle test system and the like that can easily mutually compare actual running data and test result data obtained from a test apparatus, or pieces of test result data. The vehicle test system 1 includes: an actual running data acquisition apparatus 2 that acquires actual running data that is data related to states inside and outside of a vehicle in running on a road; a test apparatus 3 each of which performs a drive test or an operation test of a vehicle or a part of the vehicle in accordance with a set test condition; and a test management apparatus 4 that reproduces a part or all of the running states indicated by the actual running data in the test apparatus 3. Further, the test management apparatus 4 receives test result data that is data indicating a test result by the test apparatus 3, and comparably outputs the test result data and the actual running data. FIG. 1

No. of Pages: 44 No. of Claims: 13

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ADHESIVE TAPE DISPENSER AND AN ADHESIVE TAPE ROLL

(51) International classification	:G11B	(71)Name of Applicant :
	:DE 10	1)Borgmeister & Soehne Ltd.
(31) Priority Document No	2014 209	Address of Applicant :The Viscount Centre 9-11, Gaskill
	834.3	Road, Liverpool L24 9GS, United Kingdom U.K.
(32) Priority Date	:23/05/2014	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)CLAYSON, Gerard
(86) International Application No	:NA	2)BRUSIUS, Daniel
Filing Date	:NA	
(87) International Publication 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 adhesive tape dispenser, for an adhesive tape roll having a core element, said dispenser essentially consisting of or comprising a carrier unit, in particular a housing, at least one grip member being connected, in particular via a connecting member, to the carrier unit for handling of the adhesive tape dispenser, a first bearing member essentially consisting of or comprising a rotatable bearing shaft arranged and adjusted for receiving the core element of an adhesive tape roll and for rotatably supporting said roll which is directly or indirectly arranged on and/or fastened to the carrier unit, a second bearing member essentially consisting of or comprising an, in particular non-rotatable, bearing shaft, which is directly or indirectly arranged on and/or fastened to the carrier unit, and a receiving member arranged and adjusted for receiving the core element of an adhesive tape roll that is rotatably arrangeable or supported on said second bearing shaft, an, in particular rotatable, applicator unit for attaching the adhesive tape to objects which is directly or indirectly joined to the carrier unit or which is integral with said carrier unit, at least one fastening means for a cutting blade, which is directly or indirectly joined to the carrier unit or which is integral with said carrier unit, and optionally a cutting blade held by said fastening means, wherein the grip member and applicator unit are located on opposite sides of the first or second bearing member and/or of the center of gravity of the dispenser. Furthermore the invention relates to an adhesive tape roll consisting of or comprising a core which comprises a receiving opening extending through the core in the longitudinal direction and an adhesive tape which is wound onto the core, wherein the core consists of or comprises a plastic material or a metal material, that the receiving opening which extends through the core has a polygonal cross-section, and that at least one stop is provided at an end of the receiving opening.

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

(21) Application No.10758/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/11/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention: CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS

(51) International classification :C07C1/00 (31) Priority Document No :60/934,710 (32) Priority Date :15/06/2007 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2008/067072 (72)Name of Inventor : Filing Date :16/06/2008 (87) International Publication No :WO2008/157465

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :8018/DELNP/2009 Filed on :08/12/2009

(71)Name of Applicant:

1)E. I. Du Pont De Nemours And Company

Address of Applicant: 1007 Market Street, Wilmington,

Delaware 19898, U.S.A. U.S.A.

1)DINDI, Hasan

2) SENGUPTA, Sourav, K. 3) GONZON, Andrew, Francis 4) CORBIN, David, Richard

(57) Abstract:

A process for converting renewable resources such as vegetable oil and animal fat into paraffins in a single step which comprises contacting a feed which is a renewable resources with hydrogen and a catalyst which comprises a non-precious metal a first oxide and optionally a second oxide wherein at least one of the first oxide or second oxide comprises a zeolite, through hydrodeoxygenation and one or both of hydroisomerization and hydrocracking.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :06/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SPINNING UNIT OF AN AIR JET SPINNING MACHINE AND ITS OPERATION

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:00716/14	1)Maschinenfabrik Rieter AG
(32) Priority Date	:13/05/2014	
(33) Name of priority country	:Switzerland	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Gernot Schffler
(87) International Publication No	: NA	2)Jrg Hehl
(61) Patent of Addition to Application Number	:NA	3)Andreas Fischer
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention refers to a spinning unit of an air jet spinning machine with a spinning nozzle (1) used to manufacture yarn (2) from a fiber strand (3) fed to the spinning nozzle (I), in which case the spinning nozzle (1) has an inlet (4) for the fiber strand (3), a vortex chamber (5) located inside, a yarn forming element (6) protruding into the vortex chamber (5) and a draw-off channel (24) for the yarn (2) as well as an outlet (7) for the yarn (2) produced in the interior of the spinning nozzle (1). According to the invention, it is suggested that an additive supply (8) be assigned to the spinning nozzle (1) designed so the spinning nozzle (1) is supplied with an additive, in which case the yarn forming element (6) has at least one additive duct (10) that ends in the vortex chamber (5) or the draw-off channel (24), and in which case the additive supply (8) encompasses at least one additive supply line (14) connected fluidically to the additive duct (10) so that an additive introduced into the additive duct (10) via the additive supply line (14) can be introduced into the draw-off channel (24) andlor the vortex chamber (5). In addition, a process for operating an air jet spinning machine with at least one spinning unit is suggested, in which case an additive is added, at least intermittently, to the spinning nozzle (1) of the spinning unit while it is operating with the help of an additive supply (8), and in which case the added additive is delivered through an additive duct (10) of the yarn forming element (6) to the draw-off channel (24) and/or the vortex chamber (5).

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

(21) Application No.1396/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CORE YARN SUPPLYING UNIT, CORE YARN SUPPLYING DEVICE, AND SPINNING MACHINE

(51) International classification	:D01H	(71)Name of Applicant :
(31) Priority Document No	:2014- 122178	1)Murata Machinery, Ltd. Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:13/06/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIOTA Takeshi
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
 (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 	:Japan :NA :NA : NA : NA :NA :NA	(72)Name of Inventor:

(57) Abstract:

To prevent oil solution attached to a core yarn from accumulating in another member. [Solution] A core yarn supplying unit 50 adapted to supply a core yarn C includes a tension applying section 60 adapted to apply a tension to the core yarn C; and a core yarn feeding section 90 adapted to feed the core yarn C towards a front top roller 19a, wherein a feeding path of the core yarn C in the core yarn feeding section 90 is arranged on a straight line connecting an inlet region and an outlet region of the feeding path. [Selected Drawing] FIG. 8

No. of Pages: 46 No. of Claims: 9

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: EXHAUST-GAS TURBOCHARGER WITH ACOUSTICALLY ACTIVE IMPERFECTIONS

 (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 	:F02B :102014210217.0 :28/05/2014 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)BORGWARNER INC. Address of Applicant: Patent Department, 3850 Hamlin Road, Auburn Hills, Michigan 48326 (US) U.S.A. (72)Name of Inventor: 1)Dellmann, Udo 2)Nawrath, Ivo 3)Ebert, Stefan
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(57) Abstract:

The invention relates to an exhaust-gas turbocharger (1) having a turbine housing (2), which has a bypass duct (10) with a bypass opening (9); and having a control flap (3), which is mounted pivotably between a closed position and an open position in the turbine housing (2), the control flap (3), when in its closed position, resting on a bearing region (8) of a housing wall (11) which conducts exhaust gas and contains the bypass opening (9), wherein at least one flow imperfection (12A, 12B; 23A, 23B) is arranged in the turbine housing wall (11) in the bearing region (8) of the control flap (3) and/or in the control flap (3).

No. of Pages: 13 No. of Claims: 11

(22) Date of filing of Application :01/12/2014

(43) Publication Date: 29/04/2016

(54) Title of the invention: ALKYL GLYCOSIDE BASED MICELLAR THICKENERS FOR SURFACTANT SYSTEMS

 (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 	:05/06/2013 :WO 2013/188183 :NA :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)GALLEGUILLOS Ramiro 2)WU Anchuu
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A rheology modifier which includes a mixture of short and long chain fatty acid esters is suitable for use in liquid surfactant based compositions. A surfactant based composition includes a surfactant the rheology modifier and water. The rheology modifier includes a mixture of alkyl glycoside fatty acid esters including a long chain fatty acid ester of an alkyl glycoside and a short chain fatty acid ester of an alkyl glycoside. The long chain fatty acid ester includes at least one fatty acid residue: R1(O)O, wherein R1 is a C12 or higher hydrocarbon. The short chain fatty acid ester includes least one fatty acid residue: R2(O)O-, wherein R2 is a C6-C10 hydrocarbon.

No. of Pages: 115 No. of Claims: 62

(21) Application No.10625/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/12/2014

(43) Publication Date: 29/04/2016

(54) Title of the invention : SOUND-ABSORBING AND SCREENING MATERIAL AND METHOD FOR MANUFACTURING SAME

(57) Abstract:

The present invention relates to a sound-absorbing material and a method for preparing the sound-absorbing material. More particularly, the sound-absorbing material, which may be prepared by impregnating a binder into a nonwoven fabric formed of a heat-resistant fiber, is provided. The sound-absorbing may have superior sound-absorbing property, flame retardancy, heat resistance and heat-insulating property, thereby being applicable to parts operating at elevated temperatures of about 200 C or greater and being shapeable due to the binder. In addition, the method for preparing the sound-absorbing material is provided.

No. of Pages: 56 No. of Claims: 32

(19) INDIA

(43) Publication Date : 29/04/2016

(21) Application No.1292/DELNP/2014 A

(22) Date of filing of Application :20/02/2014

(54) Title of the invention: FIBER OPTIC CONNECTION 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 	:G02B 6/38 :10/873,849 :22/06/2004 :U.S.A. :PCT/US2005/019314 :02/06/2005 :WO 2006/007267 :NA :NA	(71)Name of Applicant: 1)HALLIBURTON ENERGY SERVICES INC Address of Applicant: P.O. BOX 819052, DALLAS, TX 75381, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)RINGGENBERG, PAUL D. 2)SKINNER, NEAL, G. 3)MAIDA, JOHN, L., JR. 4)JOHNSON, DAVID O.
Number Filing Date (62) Divisional to Application Number Filed on		4)JOHNSON, DAVID O.

(57) Abstract:

A fiber optic splice housing and integral dry mate connector system. In a described embodiment, a fiber optic connection system includes optical fiber sections in respective conduit sections. Each of the conduit sections is received in the housing assembly. An optical connection between the optical fiber sections is positioned within the housing assembly.

No. of Pages: 40 No. of Claims: 16

(22) Date of filing of Application :08/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TANDEM, VISIBLE LIGHT AND RF COMMUNICATION 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 	:G03G :14/273711 :09/05/2014 :U.S.A. :NA :NA	(71)Name of Applicant: 1)HONEYWELL INTERNATIONAL INC. Address of Applicant:101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, United States of America U.S.A. (72)Name of Inventor: 1)KENNETH L. ADDY
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	: NA :NA :NA :NA	
Filing Date	:NA	

(57) Abstract:

A system having first and second different communication system can include a plurality of illumination devices having modulatable optical output signals. A plurality of building control units are in wireless communications with one another. Representative units could include ambient condition detectors, intrusion detectors, output devices or actuators. At least some of the units include optical sensors responsive to the modulatable optical output signals, and, wherein in responsive to received, modulated optical output signals, the respective control unit carries out a predetermined function.

No. of Pages: 11 No. of Claims: 15

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR INITIATING AND TERMINATING A SAILING OPERATION OF A MOTOR VEHICLE HAVING A MANUAL TRANSMISSION

(51) International classification (31) Priority Document No	:F02D :102014210167.0	(71)Name of Applicant: 1)ROBERT BOSCH GmbH
(32) Priority Date	:28/05/2014	Address of Applicant :Postfach 30 02 20, 70442 Stuttgart,
(33) Name of priority country	:Germany	Germany Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)STRAUSS, Steffen
(87) International Publication No	: NA	2)WIEGAND, Christian
(61) Patent of Addition to Application Number	:NA	3)GLORA, Michael
Filing Date	:NA	4)HOFMANN, Dirk
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present subject matter relates to a method for initiating (21) and terminating (22) a sailing operation of a motor vehicle having a manual transmission. Firstly, it is tested, whether a clutch is actuated. In addition, it is tested, whether a shift lever is moved (32) at currently engaged gear towards the neutral position. When the shift lever has moved towards the neutral position and when the clutch is not actuated, an engine torque intervention (27) is executed. Then, it is again tested, whether the clutch is actuated, and whether the shift lever has moved. In addition, a target gear is detected.

No. of Pages: 15 No. of Claims: 9

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MONITORING AND CONTROL SYSTEM AND MONITORING AND CONTROL METHOD

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HITACHI, LTD.
(31) I Hority Document 140	121460	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:12/07/2014	Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yukari Itoh
Filing Date	:NA	2)Takahiro Yamada
(87) International Publication No	: NA	3)Yukiko Mouri
(61) Patent of Addition to Application Number	:NA	4)Katsuhide Kitagawa
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A monitoring and control system includes a control apparatus (20) configured to control equipment-to-be-monitored and a monitoring apparatus configured to perform monitoring based data transmitted from the control apparatus (20). The control apparatus includes a data input section (21), a time stamp adding section (22), a data processing section (23), and a transmitting section (25). The data processing section (23) extracts sensor data satisfying a given condition from the sensor data having been inputted to the data input section (21), adds a time stamp to the extracted sensor data sets the resultant sensor data as transmission data, and transmits the set transmission data to the monitoring apparatus. The monitoring apparatus creates and displays a graph whose time axis is appropriately taken on the basis of a time stamp added to the received sensor data.

No. of Pages: 34 No. of Claims: 6

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: POWER TRANSMITTING SYSTEM OF A VEHICLE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Friority Document No	105717	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi 471-
(32) Priority Date	:21/05/2014	8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMAMOTO Kozo
Filing Date	:NA	2)YOSHIDA Michio
(87) International Publication No	: NA	3)NAKADA Hirofumi
(61) Patent of Addition to Application Number	:NA	4)MATSUO Kenji
Filing Date	:NA	5)FUKAO Mitsuhiro
(62) Divisional to Application Number	:NA	6)MORIYAMA Shuji
Filing Date	:NA	7)IWATSURU Yuji

(57) Abstract:

A vehicle power transmitting system including a differential mechanism, a clutch mechanism, a power transmitting mechanism and a dog clutch which are disposed between an input rotary member connected to a drive power source and an output rotary member connected to drive wheels, and wherein the dog clutch selectively places a power transmitting path between an output rotary element of the differential mechanism and the output rotary member, in a power transmitting state and a power cutoff state, and the drive force is transmitted to the drive wheels while the clutch mechanism and the dog clutch are placed in engaged states. The power transmitting system further includes a dog-clutch engagement retainer mechanism to mechanically hold the dog clutch in the engaged state while the power transmitting system is placed in a parking lock position, and to switch the dog clutch from the engaged state to a released state when the power transmitting system is switched to a non-parking-lock position

No. of Pages: 38 No. of Claims: 5

(21) Application No.1489/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: A PARTICLE FRACTIONATOR FOR SPRAY DRYER

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Department of Biotechnology
(32) Priority Date	:NA	Address of Applicant :Ministry of Science & Technology,
(33) Name of priority country	:NA	Government of India, Block-2, 7th floor, CGO complex, Lodhi
(86) International Application No	:NA	Road, New Delhi-110003, India Delhi India
Filing Date	:NA	2)ISF College of Pharmacy
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Amit Kumar Goyal
Filing Date	:NA	2)Goutam Rath
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides a particle separator for mechanical separation of solids obtained in spray dryer. This particle separator provides uniform sized particles, collection and isolation of different sized ranged particles especially nanoparticles. The separator provides advantages of easy installation of device and further makes cleaning easy and efficient. [Figure 2]

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PROTECTIVE SWITCHING DEVICE AND MAGNET YOKE

 (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 	:H01F :102014215007.8 :30/07/2014 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MUNICH, GERMANY Germany (72)Name of Inventor: 1)Rieger; Thomas 2)Sturm; Tobias 3)Vierling; Winfried
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(57) Abstract:

The protective switching device (1) according to the invention, which is in particular in the form of a line circuit breaker, has an input connection (3-1) and an output connection (3-2), which are designed to make contact between the protective switching device (1) and an electrical line. Furthermore, the protective switching device (1) has a switching contact, which for its part has a fixed contact (4) arranged fixed in position and a moving contact (5) which is movable relative thereto, which fixed contact and moving contact are designed such that an arc (7) is formed between the moving contact (5) and the fixed contact (4) during opening of the current-conducting switching contact. In addition, the protective switching device (1) has a short-circuit triggering system, which for its part has a coil (8) and a triggering means (9) mounted movable relative thereto and is designed to act on the moving contact (5) in the event of triggering in order to effect opening of the switching contact. In this case, the short-circuit triggering system has a magnet yoke (15), which is formed integrally and has a coupling region (20). Furthermore, the fixed contact (5) is formed by a fixed contact region (30) of the magnet yoke (15), which fixed contact region (30) is connected at its first end (31) integrally to the coupling region (20), and whose second end (32) is in the form of a free end. In addition, the magnet yoke (15) has a quenching chamber region (40), which is connected integrally to the coupling region (20) and forms a bypass current path, which is energized in the event of the occurrence of an arc (7) as a result of opening of the switching contact after commutation of the arc (7) from the fixed contact region (30) onto the quenching chamber region (40). Figure 2A

No. of Pages: 33 No. of Claims: 16

(21) Application No.11438/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TONER CARTRIDGE HAVING A SHUTTER BYPASS

(51) International classification :G03G15/08,G03G15/00,G03G15/06

(31) Priority Document No :61/828390 (32) Priority Date :29/05/2013 (33) Name of priority

country :U.S.A.

(86) International PCT/US2014/039280 Application No

Filing Date :23/05/2014

(87) International Publication No :WO 2014/193744

(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)LEXMARK INTERNATIONAL INC.

Address of Applicant :IP Law Department 740 West New

Circle Road Lexington KY 40550 U.S.A.

(72)Name of Inventor:

1)BUCHANAN John Andrew 2)WILLIAMSON Randal Scott

(57) Abstract:

A toner cartridge according to one example embodiment includes an outlet port positioned on the front of a housing for transferring toner from a reservoir to a developer unit. The toner car t ridge includes an engagement member having a first engagement surface and a second engagement surface. The first engagement surface is positioned proximate the rear of the housing to receive an actuation force from an actuation feature of an image forming device. The second engagement surface is positioned proximate the front of the housing below the outlet port to engage a shutter on an inlet port of the developer unit. The engagement member is movable from a first position to a second position upon receiving the actuation force. As the engagement member moves from the first position to the second position, the second engagement surface protrudes from the front of the housing to engage the shutter of the developer unit.

No. of Pages: 31 No. of Claims: 16

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND DEVICE FOR FORMING LONG HOLLOW ARTICLES (VARIANTS)

(51) International classification	:B29C47/20	(71)Name of Applicant :
(31) Priority Document No	:NA	1)OBSHCHESTVO S
(32) Priority Date	: -	OGRANICHENNOYOTVETSTVENNOSTYU
(33) Name of priority country	:	AVTOKLAVY VYSOKOGODAVLENIYA I
(86) International Application No	:PCT/RU2013/000437	TEMPERATURY
Filing Date	:29/05/2013	Address of Applicant :Tokmakov per. 16 2 Moscow 105066
(87) International Publication No	:WO 2014/193259	Russia
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)GUBENKO Lev Anatolyevich
Filing Date	.NA	2)PERELMAN Vladimir Evseevich
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to the production of long articles from powders of various materials, as well as from plasticized masses, by means of extrusion. A device for forming long hollow articles comprises an extruder and a forming attachment consisting of a die, a mandrel and an assembly for securing the mandrel inside the die. The working surfaces of the forming attachment are provided with one or more rows of profiled deformation elements disposed with an equal circumferential pitch on the working surfaces of the die and/or the mandrel. A blank of a plasticized material is forced through the mandrel securing assembly into an annular axisymmetric deformation region formed by the working surfaces of the mandrel and the die. In said region, the material undergoes additional drawing and deformation treatment prior to sizing. The design features of the device make it possible to realize cyclic drawing and compressive strains in an axial direction and in surfaces enveloping the working surfaces of the die and the mandrel across the entire length of the annular region, and cyclic compressive strains in a radial direction, as well as cyclic oppositely signed shear and flexural strains, resulting in uniform, intensive deformation treatment of the entire volume of material prior to the sizing of the blank. The invention

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

(21) Application No.1384/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ON-ROAD RUNNING TEST APPARATUS

(51) International classification	:E01C	(71)Name of Applicant:
(31) Priority Document No	:2014- 103856	1)HORIBA, Ltd. Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:19/05/2014	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)FUKAMI, Shun
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In order to efficiently and reliably perform a valid field test, there are provided: a running data acquisition part (23) for sequentially acquiring actual running data of a vehicle (V) under execution of a running test on a road by a driver; and a tendency data output part (24) for sequentially producing and outputting tendency data indicating a tendency as to whether or not the running test is valid, based on the actual running data during the running test. Fig. 5

No. of Pages: 27 No. of Claims: 6

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: IMPINGEMENT COOLED WALL ARRANGEMENT

(61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	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 Switzerland (72)Name of Inventor: 1)MAURER,MICHAEL THOMAS 2)BENZ, URS 3)BAUMGARTNER, FELIX
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(57) Abstract:

The present disclosure refers to an impingement cooled wall arrangement (12) wherein a flow diverter (21) is arranged in the cooling flow path (15) between the cooled wall (7) and a sleeve (10) to divert a cross flow (16) away from a second aperture (14). The flow diverter (21) extends in downstream direction of the cross flow (16) beyond the second aperture (14) with a first leg extending along on one side of the second aperture (14) in downstream direction of the cross flow (16) and a second leg extending along on the other side of the second aperture (14). According to the disclosure no impingement cooling aperture (13, 14) is arranged in a first convective cooling section (29) of the wall (7). This is the wall section between the upstream end and downstream end of flow diverter (21) outside the section shielded by the diverter (21). Besides the impingement cooled wall arrangement a gas turbine (1) with such an arrangement as well as a method for cooling a duct wall are disclosed.

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

(21) Application No.11418/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MOBILE PHONE WITH ENHANCED FUNCTIONS

(51) International classification	:H04M1/02,H02J7/00	(71)Name of Applicant:
(31) Priority Document No	:PV 2013 329	1)KRANZ Vladimir
(32) Priority Date	:15/05/2013	Address of Applicant :U Dubu 1291/5 147 00 Prague 4 Czech
(33) Name of priority country	:Czech Republic	Republic
(86) International Application No	:PCT/CZ2014/000056	(72)Name of Inventor:
Filing Date	:15/05/2014	1)KRANZ Vladimir
(87) International Publication No	:WO 2014/183734	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Completion of functions of multimedial devices for auxiliary functions which are not featured in original device. Such functions can be functions for processing of physiologic data, extended and/or uninterrupted operation with regard on monitored and processed data. Auxiliary function are realized by auxiliary devices and peripheral solutions which are physically placed in original device or outside it, but connected electrically and mechanically with it, whereas preferably able to form one compact mechanical unit with it. These parts which are to be modified in order to achieve uninterupted functions within operation, are replaceable from the point of view of operation, in maximum simple way for user.

No. of Pages: 107 No. of Claims: 15

(21) Application No.11419/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: INJECTION CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE

(51) International :F02M21/02,F02B43/00,F02D19/02 classification

(31) Priority Document No :2013132900 (32) Priority Date :25/06/2013

(33) Name of priority country: Japan

(86) International Application :PCT/JP2014/002932

:03/06/2014 Filing Date

(87) International Publication :WO 2014/208009

(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)DENSO CORPORATION

Address of Applicant: 1 1 Showa cho Kariya city Aichi

4488661 Japan

(72) Name of Inventor: 1)TAKEMURA Yuichi 2)MIZOBUCHI Takeshi 3)WADA Minoru

(57) Abstract:

Fuel injection valves (21) as fuel injection valves for meeting a gas fuel are provided at the intake ports of an engine (10). When the engine (10) operates at a prescribed rotational speed or less and under a prescribed load or less and in a normal operation range, a controller (80) carries out an extended injection control process for extending a fuel supply period which is a period wherein a gas fuel injected from the fuel injection valves (21) is supplied to the combustion chambers of the engine (10).

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

(21) Application No.1377/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :16/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE FOR HEAT EXCHANGE

(51) International classification (31) Priority Document No	:F02G5/04 :EP14382172.6	(71)Name of Applicant : 1)BORGWARNER INC.
(32) Priority Date	:16/05/2014	Address of Applicant :3850 Hamlin Road 48326 Auburn Hills,
(33) Name of priority country	:EPO	Michigan United States U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Sim³n PI'EIRO LOSADA
(87) International Publication No	: NA	2)Rodolfo PRIETO DOM • NGUEZ
(61) Patent of Addition to Application Number	:NA	3)Xoan Xos HERMIDA DOM • NGUEZ
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention is a device for heat exchange particularly suitable for cooling recirculated gas in EGR (Exhaust Gas Recirculation) systems, with a constructive configuration incorporating the heat exchanger together with a bypass conduit and a bypass valve, where most of the parts forming said device allow manufacturing same in stamped sheet metal, thereby reducing manufacturing costs.

No. of Pages: 33 No. of Claims: 14

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR THE MANUFACTURE OF DOPED QUARTZ GLASS

(51) International classification	:C03B	(71)Name of Applicant:
(31) Priority Document No	:EP 14 177	1)Heraeus Quarzglas GmbH & Co. KG
(31) Thority Document No	763.1	Address of Applicant :Quarzstrasse 8 63450 Hanau Germany
(32) Priority Date	:21/07/2014	Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)SCHWERIN, Malte
Filing Date	:NA	2)TROMMER, Martin
(87) International Publication No	: NA	3)ZWARG, Steffen
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to a method for the manufacture of doped quartz glass. More-over, the present invention relates to quartz glass obtainable according to said method and to the use thereof in the field of optics, for example as optical component.

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

(21) Application No.1511/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FLANGE FIXING STRUCTURE

D COL	
:B60J	(71)Name of Applicant:
:2014- 123621	1)SHIN-ETSU CHEMICAL CO., LTD Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku,
:16/06/2014	Tokyo 100-0004 Japan Japan
:Japan	(72)Name of Inventor:
:NA	1)OTOSAKA, Tetsuya
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	:16/06/2014 :Japan :NA :NA : NA :NA :NA :NA

(57) Abstract:

A flange fixing structure is provided that fixes flange parts respectively provided to two pipe conduits by means of a fixture in a butting manner via a gasket. In this flange fixing structure, when an effective length of the fixture is denoted by L0, a linear expansion coefficient of the fixture is denoted by a0, thicknesses of n (where n is an integer of 1 or more) members held by the fixture are respectively denoted by t1 to tn, and linear expansion coefficients of the n members are respectively denoted by a1 to an, a product L0a0 of the effective length L0 of the fixture and the linear expansion coefficient a0 of the fixture is substantially equal to a sum Stiai (i = 1 to n) of products of the respective thicknesses t1 to tn and the respective linear expansion coefficients a1 to an.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: THROTTLE VALVE CONTROLLER FOR VEHICLE

(51) International classification	:F02D11/10	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)AISAN KOGYO KABUSHIKI KAISHA
(31) Friority Document No	114726	Address of Applicant :1-1 Kyowa-cho 1-chome, Obu-shi,
(32) Priority Date	:03/06/2014	Aichi-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)INDEN Yukihiro
Filing Date	:NA	2)MORITA Masaki
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A throttle valve controller for a vehicle has a throttle body defining an intake path, a throttle shaft rotatably supported by the throttle body, a throttle valve fixed on, the throttle shaft and rotating together with the throttle shaft in order to open and close the intake path, a tlirottle lever attached to the throttle shaft and rotated by an accelerator operation, and a return spring provided between the throttle body and the throttle lever and biasing the throttle lever in a valve closing direction. The throttle body has a wall member facing a surface of the throttle lever. The wall member has an inclined surface gradually increasing the distance along the rotational direction of the valve closing direction of the throttle lever.

No. of Pages: 30 No. of Claims: 4

(21) Application No.1330/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: COMMUNICATION DEVICE

(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 (87) International Publication No Filing Date (80) Patent of Addition to Application Number Filing Date (81) Patent of Addition to Application Number (82) Divisional to Application Number Filing Date (83) Name of priority country (84) International Publication No (85) International Publication No (86) Patent of Addition to Application Number Filing Date (86) International Publication Number Filing Date (87) International Publication Number Filing Date (88) International Classification Number Filing Date (89) International Classification Number Filing Date	(71)Name of Applicant: 1)Hitachi, Ltd. Address of Applicant:6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280, Japan Japan (72)Name of Inventor: 1)SATO Shinnosuke 2)NIITSUMA Kensaku
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(57) Abstract:

In a communication device driven by wireless power fed from an outside, at the same time as transmission of a signal wave toward the outside, power consumption increases, an internal voltage drop of the communication device occurs and malfunction might occur. In order to solve the above-described problems, in the present invention, a plurality of electric power wave reception antennas (1 01 and 133) are provided in the communication device, and electric power of a signal transmission antenna 11 1 is borne by electric power from the first electric power wave reception antenna 101, while independently from that, electric power of a signal generation portion 120 is borne by electric power from the second electric power wave reception antenna 133. As a result, the signal generation portion is stably driven, and malfunction is prevented. Moreover, a clock is regenerated from the second electric power wave reception antenna 133 so that a clock generation portion does not have to be provided.

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

(21) Application No.1399/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE FOR EXHAUST AFTER TREATMENT

 (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 	:F01N3/0842 :102014210802.0 :05/06/2014 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)ROBERT BOSCH GmbH Address of Applicant: Postfach 30 02 20, 70442 Stuttgart, Germany Germany (72)Name of Inventor: 1)GLOECKLE, Markus 2)CHRISTL, Werner
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(57) Abstract:

The present subject matter relates to a device (2) for treating exhaust gases in the exhaust line (4) of the internal combustion engine (3), in particular a diesel engine, comprises: an injection device (6), which is formed for injecting a fluid reducing agent (8) into the exhaust line (4); a mixing device (10), which is adapted to mix the exhaust gas passing through the exhaust gas line (4) with the injected reducing agent (8); and a particulate filter (12), which is designed to filter out most particles from the exhaust gases. A catalytically effective hydrolysis coating is provided in the interior of the mixing device (10); and the particulate filter (12) comprises at least a portion, which contains the vanadium oxide, tungsten oxide and titanium oxide (VWT).

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SMART LUG SYSTEM •

(51) International classification (31) Priority Document No	:H01M :62/004,370	l /
(32) Priority Date(33) Name of priority country(86) International Application No	:29/05/2014 :U.S.A. :NA	Address of Applicant :501 Silverside Road, Suite 67, Wilmington, Delaware 19809 USA, U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:NA :NA : NA	1)IAN RUBIN DE LA BORBOLLA 2)MARK R. DRANE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)CONG THANH DINH 4)ANDREW J. FEUDNER
(62) Divisional to Application Number Filing Date	:NA :NA	5)BRIAN BURKE

(57) Abstract:

A device includes a device body that further includes a first attachment mechanism for attaching to another object, structure, or item of equipment. The device also includes wireless communication circuitry affixed to the device body, and one or more sensor components affixed to the device body, coupled to the wireless communication circuitry, and configured to sense environmental parameters associated with the device or with the object, structure or item of equipment. The device may further include powering circuitry, affixed to the device body, and configured to provide electrical power to the wireless communication circuitry and/or the one or more sensor components. The device may include a lug, connector or terminal.

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

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MAGNET FIXING FOR ROTATION ANGLE SENSOR

(51) International classification(31) Priority Document No(32) Priority Date	:G01D5/14 :102014210853.5 :06/06/2014	Address of Applicant :Postfach 30 02 20, 70442 Stuttgart,
(33) Name of priority country(86) International Application No	:Germany :NA	Germany Germany (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)KLOTZBUECHER, Thomas 2)GLEMSER, Ralph
(61) Patent of Addition to Application Number	:NA :NA	2) ODENOLIK, Kuipii
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present subject matter relates to an arrangement (10) comprising a shaft (12) of a rotatable component (16), a permanent magnet (18) fixed on the shaft (12) for generating a magnetic field (M), which is detected by a sensor component (36) of a rotation angle sensor, so that an angle of rotational of the rotatable component (16) is determined. Further, the arrangement (10) comprises a bushing (22) for fixing the magnets (18) on the shaft (12), wherein the bushing (22) extends through a hole (20) formed in the magnet (18) into a hole (24) in the shaft (12), and clamps the magnet (18) to the shaft (12).

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

(22) Date of filing of Application: 13/05/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention : DATA COMMUNICATION SYSTEM, RAILWAY SYSTEM COMPRISING SUCH A COMMUNICATION SYSTEM AND RELATED COMMUNICATION METHOD

(51) International classification :B61L (31) Priority Document No :14 5489 (32) Priority Date :28/05/2 (33) Name of priority country :France (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	
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(57) Abstract:

The data communication system (16) according to the invention comprises: - a first transceiver module (30) for transmitting data in the form of a radio signal, - a first radio antenna (32), connected to the first module (30) and positioned near an electric conductor (20), the first antenna (32) being configured to transmit, respectively to receive, the radio signal in the form of surface radio waves propagating along the electric conductor (20), - a second radio antenna (34), and - a second data transceiver module (36), connected to the second antenna (34) and configured for exchanging data with the first transceiver module (30). The second antenna (34) is positioned away from the electric conductor (20), and is configured to receive waves radiated from said electric conductor (20), respectively to transmit radio waves, some being designed to propagate along the electric conductor (20) in the form of surface waves.

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

(22) Date of filing of Application :14/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE AND METHOD FOR MONITORING CORROSIVE ENVIRONMENT

(24) 2		
(51) International classification	:F28F	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(E1) 1110110j 2 00 milion 110	101902	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:16/05/2014	Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MINAMITANI Rintarou
Filing Date	:NA	2)KUSHIDA Noriyuki
(87) International Publication No	: NA	3)IDENO Tetsuya
(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 device for monitoring corrosive environment including at least one passage structure having an opening and configured to control intrusion of a corrosive substance present in an atmosphere; and a sensor unit having a metal film that is disposed inside the passage structure. The metal film inside the passage structure corrodes by the corrosive substance intruding from the opening to the passage structure. During the monitoring, an electric resistance value of the metal film varies depending on expansion of the corroded region of the metal film. Thus, the device for monitoring corrosive environment measures the electric resistance value of the metal film with suppressing fluctuation of the measured values. This allows a corrosion level of the environment installed with electric and electronic apparatuses to be evaluated for a long term and in an accurate manner.

No. of Pages: 33 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :29/05/2015

(21) Application No.1546/DEL/2015 A

(43) Publication Date: 29/04/2016

(54) Title of the invention: RACKET

(51) International classification	:A63B49/08	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)YONEX KABUSHIKI KAISHA
(31) Thorny Document No	116617	Address of Applicant :23-13, Yushima 3-chome, Bunkyo-ku,
(32) Priority Date	:05/06/2014	Tokyo 113-8543, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Taketoshi, GOTO
Filing Date	:NA	2)Yosuke, YAMANAKA
(87) International Publication 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 racket includes a grip, an annular frame that is provided with a plurality of through holes that penetrate from an inner circumferential face to an outer circumferential face, and a shaft that connects the grip and the frame in a shaft axis direction, the frame having a rear end side attachment part, on the outer circumferential face of the frame and on a side closer to the shaft in the shaft axis direction, where there is mounted a rear end side attachment to which a string tensely provided to the frame is routed, and the rear end side attachment being made of a material different from the frame.

No. of Pages: 35 No. of Claims: 7

(21) Application No.1609/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DOOR HEIGHT ADJUSTMENT SYSTEM

(51) International classification	:E05D15/06	(71)Name of Applicant:
. ,	:BR 10	1)WHIRLPOOL S.A.
(31) Priority Document No	2014	Address of Applicant : Avenida das Na§µes Unidas, 12.995 -
	013587 1	32° andar, Brooklin Novo - 04578-000 - S£o Paulo - SP, Brazil
(32) Priority Date	:05/06/2014	Brazil
(33) Name of priority country	:Brazil	(72)Name of Inventor:
(86) International Application No	:NA	1)TRES Andrei
Filing Date	:NA	2)IZUI Edson Luiz
(87) International Publication No	: NA	3)SCHULZE M;rcio
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention belongs to the technical field of household appliances movable components, and preferably refrigeration appliances. 5 Problem to be solved: The current solutions provide for the use of a component for door height adjustment, however, this component is liable to involuntary removal and movement, which are detrimental to the useful life of such component. Troubleshooting: it is disclosed a door height adjustment system provided with a iocking means related to the positioning of said modular component, said locking 10 means defined by the cooperative engagement between a rib or projection arranged on the modular component and a groove or recess arranged on the lower perpendicular surface of the door.

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

(21) Application No.1041/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :16/04/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND SYSTEM FOR IMPLEMENTING A WIRELESS DIGITAL WALLET

(51) International classification	:G06020/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NUCLEUS SOFTWARE EXPORTS LIMITED
(32) Priority Date	:NA	Address of Applicant : NUCLEUS SOFTWARE EXPORTS
(33) Name of priority country	:NA	LIMITED, 33-35, THYAGRAJ NAGAR MARKET, NEW
(86) International Application No	:NA	DELHI - 110003, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GUPTA, NARESH KUMAR
(61) Patent of Addition to Application Number	:NA	2)PANDE, ASHUTOSH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides a digital wallet and a method and system for implementing a wireless digital wallet. The digital wallet provides for an electronic version of 10 a wallet to replace cash carried by users in their wallets. Accordingly, the digital wallet allows users to imitate various transactions that are usually done with physical currency notes.

No. of Pages: 71 No. of Claims: 63

(22) Date of filing of Application :01/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ROTATING ELECTRICAL MACHINE

 (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 	:H02K1/148 :2014- 094579 :01/05/2014 :Japan :NA :NA :NA :NA	(71)Name of Applicant: 1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION Address of Applicant: 3-1-1 Kyobashi, Chuo-ku, Tokyo 104- 0031, Japan Japan (72)Name of Inventor: 1)YAMASAKI Takashi 2)YAMANO Keita 3)YUKIZANE Yoshiharu
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(57) Abstract:

ROTATING ELECTRICAL MACHINE In a rotating electrical machine that includes a grease supply device 25 which is provided outside a main body 11 of the rotating 5 electrical machine and which supplies grease to an internal lubricated portion 18, the grease supply device 25 includes a grease pipe 26 whose inner end portion communicates with the lubricated portion 18. To an outer end portion of the grease pipe 26, a socket 27 having a through passage 27a is connected. To the socket 27, 10 an oil supply port attachment seat 28, which includes a concave space 28b having a bottom surface where the other end of an attachment hole 28a whose one end communicates with the through passage 27a is opened, is connected. In the concave space 28b, a grease nipple 29, which is connected to the attachment hole 28a, 15 is housed. The concave space 28b is closed by a lid body 31 in a liquid-tight manner via packing 30.

No. of Pages: 13 No. of Claims: 1

(21) Application No.1536/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: BUTTERFLY VALVE

 (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 	:F16K :EP14382199.9 :29/05/2014 :EPO :NA :NA :NA :NA	(71)Name of Applicant: 1)BORGWARNER EMISSIONS SYSTEMS SPAIN, S.L.U. Address of Applicant: Carretera de Zamanes, 20, 36315 Vigo, Pontevedra Spain. Spain (72)Name of Inventor: 1)Xoan Xos HERMIDA DOM • NGUEZ 2)Telmo CALLE FACAL
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(57) Abstract:

The present invention is a butterfly valve that has been modified such that it reduces internal losses in the closed position. The modifications according to the invention reduce losses occurring mainly through the shaft of the flap of the butterfly valve. The invention is of special interest in the use of butterfly valves in internal combustion engines for managing exhaust gases for their introduction into the intake by means of an EGR (Exhaust Gas Recirculation) system.

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

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : CLOSING MECHANISM WITH AN ECCENTRICALLY MOUNTED CONTROL ELEMENT, AND STORAGE COMPARTMENT

(51) International classification	:F25B49/02	(71)Name of Applicant:
(31) Priority Document No	:10 2014	1)Faurecia Innenraum Systeme GmbH
(31) Thornty Document No	108 659.7	Address of Applicant :Faureciastrae 1, 76767 Hagenbach,
(32) Priority Date	:20/06/2014	Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)AUFMKOLK, Rudolf
Filing Date	:NA	2)DOLL, Volker
(87) International Publication No	: NA	3)WANDTKE, Sebastian
(61) Patent of Addition to Application Number	:NA	4)FAIK, Othmane
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a closing mechanism (100) having a bolt (102) and a control element (106) mounted eccentrically on a driveshaft (108) of a drive (110), wherein the control element (106) is mounted in a sliding block guide (104), wherein the bolt (102) is arranged on the sliding block guide (104), wherein the sliding block guide (104) has a translational degree of freedom (122) for an opening or closing movement of the bolt (102), wherein the control element (106) forms a permanent form fit on both sides with the sliding block guide (104) in the direction of the translational degree of freedom (122).

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: INTERMESH ENGAGEMENT DEVICE

(51) International classification	:B65B31/02	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Fliority Document No	118969	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi 471-
(32) Priority Date	:09/06/2014	8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)EBUCHI, Hiroaki
Filing Date	:NA	2)FUNAHASHI, Makoto
(87) International Publication No	: NA	3)IWASE, Yuji
(61) Patent of Addition to Application Number	:NA	4)KATO, Shotaro
Filing Date	:NA	5)NAGAI, Hidekazu
(62) Divisional to Application Number	:NA	6)HASHIMOTO, Hiroto
Filing Date	:NA	

(57) Abstract:

An intermesh engagement device includes an intermesh engagement mechanism, a moving member, an actuator configured to apply a thrust to a moving member in an engaging direction, a transmission spring configured to transmit the thrust of the actuator from the moving member to a sleeve, a return spring, a stopper, and an electronic control unit configured to control the actuator. The electronic control unit is configured to execute first control (S10) for setting the thrust of the actuator to a thrust in a first region, and, when a halfway stopped state has occurred through the first control, execute second control (S50) for setting a thrust larger than the thrust in the first control. The first region is a range in which the thrust is larger than an urging force of the return spring and is smaller than the sum of the urging force of the return spring and a maximum urging force of the transmission spring.

No. of Pages: 53 No. of Claims: 5

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: OXY BOILER POWER PLANT OXYGEN FEED SYSTEM HEAT INTEGRATION

 (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 	:F01K :14290141.4 :08/05/2014 :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 Switzerland (72)Name of Inventor: 1)POURCHOT, THIERRY 2)GRANIER, FRANCOIS 3)GEIGER, FREDERIC
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(57) Abstract:

Provided is a scheme for a coal fired oxy boiler power plant in which a steam coil oxygen preheater (5) located on an oxygen line Air Separation Unit is thermally integrated with the condensate system. Thermal energy for the steam coil oxygen preheater (5) is provided via an extraction line (4) connected to a steam extraction port (2) of an intermediate pressure steam turbine (1). A drain line (8) of the steam coil oxygen preheater (5) fluidly connects the steam coil oxygen preheater to a point of the Rankine steam cycle fluidly within the condensate system.

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

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AIRFOIL WITH IMPROVED COOLING

(51) International classification	:F01D	(71)Name of Applicant:
(31) Priority Document No	:14167966.2	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:12/05/2014	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND Switzerland
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)BAUER, RAINER
Filing Date	:NA	2)NAIK, SHAILENDRA
(87) International Publication No	: NA	3)HENZE, MARC
(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 airfoil for a gas turbine, comprising an improved turbulator arrangement formed on an inner cooling channel of the airfoil. According to preferred embodiments of the invention, in order to ensure a constant angle of the cooling flow inside the channel relative to each turbulator, the angle formed between the turbulator and the vertical axis is advantageously adapted, in the curved area, for every single turbulator. Furthermore, the same principle may be applied to all, the cooling channels present within the airfoil.

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

(22) Date of filing of Application :03/06/2008 (43) Publication Date : 29/04/2016

(54) Title of the invention: MUSCARINIC RECEPTOR ANTAGONISTS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:A61K31/4402 :NA :NA :NA :NA	Address of Applicant :12TH FLOOR, DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019, INDIA. Delhi India (72)Name of Inventor: 1)NARESH KUMAR,
Filing Date (87) International Publication No	:NA : NA	2)JITENDRA SATTIGERI, 3)SHELLY AERON,
(61) Patent of Addition to Application Number	:NA :NA	4)MALVIKA GARG 5)ABHIJIT RAY
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	6)SUMAN GUPTA 7)SHIVANI MALHOTRA 8)RAJ KUMAR SHIRUMALLA

(57) Abstract:

The present invention relates generally to muscarinic receptor antagonist, 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 method for treating diseases mediated through muscarinic receptors. Also provided herein are pharmaceutical composition comprising one or more muscarinic receptor antagonists and atleast one other active ingredients include, but are not limited to, corticosteroids, beta agonists, leukotriene antagonists, 5-lipoxygenase inhibitors, anti-histamines, antitussives, dopamine receptor antagonists, chemokine inhibitors, p38 MAP Kinase inhibitors, and PDE-IV inhibitors.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ANNOTATION EXTENSION ASSIGNMENT METHOD FOR PROCESS MANAGEMENT SYSTEMS

(51) I	G06E17/20	
(51) International classification	:G06F1//30	(71)Name of Applicant :
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(31) Thomas Boument 110	116354	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:05/06/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MOTOBAYASHI Masahiro
Filing Date	:NA	2)OOISHI Satoshi
(87) International Publication No	: NA	3)NAKANO Sadaki
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

When the user assigns an annotation, an annotation extension assignment method collects the intent of a user deciding to assign an annotation, generates an annotation assignment rule matching that intent, and also assigns the annotation to extend application to other data sections. When assigning an annotation to a selection area within a Gantt chart display based on data from a database DB 107, a rule generator unit 112 selects one among plural related data pieces, specifies the content of the annotation, generates an annotation assignment rule corresponding to user operation specifying the applying of an annotation, and a rule apply unit 113 searches the selected related data, extracts a location where the generated annotation assignment rule is applicable, and makes an additional display of the specified annotation at a position corresponding to the extracted location.

No. of Pages: 87 No. of Claims: 11

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: IMPROVED SOLAR RECEIVER CONFIGURATION

(31) Priority Document No :14/	1)LECH, CHRISTOPHER J 2)PAYNE, RONALD G 3)TWEEDIE, JOHN 4)PASHKO,GARY 5)DAS,APURBA 6)DENG, LIN 7)MCGRANE, DAVID
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(57) Abstract:

A solar receiver configuration (receiver) adapted to include a plurality of receiver heat transfer passes. Each pass includes a plurality of panels. Further, each panel includes a plurality of tubes, tangentially arranged, vertically extending between horizontally placed lower and upper leadersT. he headers, wlich, arpe ipe assemblies with closed ends, of adjacent panels are horizontally and vertically offset one to another to fol-111 a sihstaiitially continuous tube surface. Such coltinuous tube surface enables solar heating of the fluid flow therefrom in at least a parallel flow arrangement and a serpentine flow arrangement.

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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DRIVING DEVICE

(31) Priority Document No :103	(71)Name of Applicant: 1)HSU, YI-PING Address of Applicant:NO. 80, HEYI ST., CIANJHEN DIST., KAOHSIUNG CITY, POSTAL CODE: 806, TAIWAN Taiwan 2)HSU, CHIA-MING 3)HSU, TING-CHEN 4)HSU CHU, YU-LIEN (72)Name of Inventor: 1)HSU, YI-PING 2)HSU, CHIA-MING 3)HSU, TING-CHEN 4)HSU CHU, YU-LIEN
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(57) Abstract:

A driving device (1) for driving a rotating shaft (21) includes a frame member (11), a magnetic pendulum unit (12), an electromagnetic unit (13) and a control unit (14). The magnetic pendulum unit (12) is rotatable about a center (112) of the frame member (11) through which a rotating shaft (21) extends and is connected co-rotatably to the rotating shaft (21). The electromagnetic unit (13) and the control unit (14) are spaced apart and are mounted on the frame member (11). The control unit (14) is configured to turn on and off the electromagnetic unit (13) to generate a magnetic force between the magnetic pendulum unit (12) and the electromagnetic unit (13) for facilitating rotation of the magnetic pendulum unit (12) and allow the magnetic pendulum unit (12) to pass by the electromagnetic unit (13), respectively. (FIG. 1)

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

(21) Application No.1549/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LATCH WITH HOLD OPEN LEVER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:G11C :62/006,025 :30/05/2014 :U.S.A. :NA :NA	Address of Applicant :1401 Crooks Road Troy, Michigan 48084 United States of America U.S.A. (72)Name of Inventor : 1)DOW, Ian
 (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	2)RICE, John R. 3)PERKINS, Donald M.

(57) Abstract:

A latch having: a fork bolt movably mounted to the latch for movement between an open position and a closed position; a detent lever movably mounted to the latch for movement between a latched position and a released position, wherein the detent lever prevents the fork bolt from moving from the closed position when the detent lever is in the latched position; a hold open lever configured for movement between a first position and a second position wherein the hold open lever has a feature configured to engage a feature of the detent lever such that the detent lever is retained in the disengaged position by the hold open lever when it is in the first position, wherein the hold open lever moves in a plane or directions that are angularly oriented to a plane or directions in which the fork bolt and the detent lever move.

No. of Pages: 27 No. of Claims: 20

(21) Application No.1610/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LUMINOUS BEAD HAVING A FAR INFRARED HEALTH CARE FUNCTION, A STRING OF THE LUMINOUS BEADS AND A MOLDING APPARATUS FOR MAKING THE LUMINOUS BEAD

(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 (81) International Application Number (82) International Application No (83) International Application No (84) International Application No (85) International Application No (86) International Application No (87) International Publication No (87) International Publication No (88) International Application No (89) International Application No (80) International Application No (81) 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 Application No (87) International Publication No (87) International Publication No (88) International Application No (89) International Publication No (80) International Application No (81) 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	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:103216946 :24/09/2014 :Taiwan :NA :NA : NA : NA :NA	Address of Applicant :NO. 23, GONGYE 1ST RD., ANNAN DIST., TAINAN CITY, POSTAL CODE: 70955, TAIWAN Taiwan (72)Name of Inventor:
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(57) Abstract:

A luminous bead (1) includes an inner ball unit (11) and an outer cover unit (12). The inner ball unit (11) includes a ball body (111) having a diametrically extending through hole (114), and a plurality of far infrared particles (112) blended in the ball body (111) and capable of emitting far infrared rays. The outer cover unit (12) includes a transparent cover body (121) covering the ball body (111), and a plurality of fluorescent particles (122) blended in the cover body (121). The cover body (121) has two through slots (123) respectively communicating with two opposite ends of the diametrically extending through hole (114) and cooperating with the diametrically extending through hole (114) to define a passage (P). FIG. 1

No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE FOR TRANSMITTING ENERGY FROM ONE MEDIUM TO ANOTHER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country 	:H01P5/04 :1401301 :06/06/2014 :France	Corolles, Esplanade Nord, 92700 COURBEVOIE, France, France
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor:
(87) International Publication No	:NA :NA	1)PHILIPPE HERVE DENIS 2)JEAN-FRAN‡OIS JARNO
(61) Patent of Addition to Application Number	:NA	3)JEAN-CLAUDE RACAMIER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a device for transmitting energy, comprising: -a wall (2) separating two media; and -at least one conductive element (3) passing through the wall (2), the conductive element (3) comprising an energetically conductive material extending in a longitudinal direction (dLong). The conductive element (3) is joined to the wall (2) and comprises a hole (8) passing through the wall (2) and extending in a direction substantially parallel to the longitudinal direction (dLong) on either side of the surfaces of the wall (2), over respective lengths that are larger than or equal to the largest dimension of a cross section (Sc) of the conductive element (3) considered level with the wall (2), the maximum ratio of the area of the cross section (Sc) of the conductive element (3) with the hole (8) to the area of the cross section (St) of the conductive element (3) without the hole (8) level with the wall being higher than or equal to a threshold comprised between 0.85 and 0.95.

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

(22) Date of filing of Application :04/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: REUSABLE LICENSE ACTIVATION KEY

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:G06F21/123 :61/994,395 :16/05/2014 :U.S.A. :NA	(71)Name of Applicant: 1)SOLARWINDS WORLDWIDE, LLC Address of Applicant:7171 Southwest Parkway, Building 400, Austin, Texas 78735, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)COOPER, PETER
(87) International Publication No	: NA	2)VLCEK, TOMAS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)TOMEK, JIRI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Systems, methods, apparatuses, and computer program products for a reusable license activation key are provided. One method includes creating, by a server, a registration record in a database upon activation of a license for a product, the registration record comprising an activation key for the license. The method may further include generating a new registration record comprising a new activation key when a change to the license occurs, generating a globally unique identifier for linking the registration record with the new registration record, and storing the linked registration records in the database.

No. of Pages: 38 No. of Claims: 13

(22) Date of filing of Application :04/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FUEL PUMP WITH ACOUSTIC SEPARATION

 (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 	:B01D19/0094 :102014208571.3 :07/05/2014 :Germany :NA :NA :NA :NA	(71)Name of Applicant: 1)ROBERT BOSCH GmbH Address of Applicant:Postfach 30 02 20, 70442 Stuttgart, Germany Germany (72)Name of Inventor: 1)WEDMAN, Sebastian 2)PLISCH, Andreas 3)FLO, Siamend 4)SZABO, Tamas
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to a fuel pump which comprises a cylinder (2), a piston (3) which is disposed in the cylinder (2), an actuator (4) for actuation of the piston (3), and a housing (5), wherein a first damping element (6) and a second damping element (7) are disposed on the housing (5) in order to avoid transmission of mechanical vibrations. The present invention further relates to a fuel pump assembly comprising a fuel pump (1) and a module member (9).

No. of Pages: 17 No. of Claims: 16

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A DEVICE FOR POSITIONING AN EXPLOSIVE CHARGE

		(71)Name of Applicant :
(51) International classification	:C06B	1)Wojskowy Instytut Techniki Inzynieryjnej im. profesora
(31) Priority Document No	:PL409532	Jozefa Kosackiego
(32) Priority Date	:17/09/2014	Address of Applicant :ul. Obornicka 136, 50-961 Wroclaw,
(33) Name of priority country	:Poland	Poland Poland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CZUBATY Lukasz
(87) International Publication No	: NA	2)JASINSKI Wieslaw
(61) Patent of Addition to Application Number	:NA	3)LUDAS Michal
Filing Date	:NA	4)MADEJ Wieslaw
(62) Divisional to Application Number	:NA	5)SZCZEPANIAK Marcin
Filing Date	:NA	6)SLIWINSKI Janusz
·		7)WOJCIECHOWSKI Andrzej

(57) Abstract:

A device for positioning an explosive charge, the device comprising a housing (1) having a hollow shaft mounted in bearings and driven by an electric motor (14). The electric motor (14) with a gearbox (15) is attached to a drive bracket (13) which is attached to a lower part of the housing (1); a third gear (16) is mounted on a shaft of the gearbox (15); and to the upper part of the housing (1) there is attached an assembly bracket (22), to which there are mounted a fifth gear (23) with a bumper (24), a bumper pin (25), a first microswitch (26) and a second microswitch (27) and, by means of distance tubes (28), a bracket of a waterproof shield (29).

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

(22) Date of filing of Application :20/05/2013

(43) Publication Date: 29/04/2016

(54) Title of the invention : MECHANISM TO IMPROVE CATALYTIC DE-COKING OF GASOLINE DIRECT-INJECTION INJECTORS

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:1208936.3	1)FORD GLOBAL TECHNOLOGIES, LLC
(32) Priority Date	:21/05/2012	Address of Applicant :SUITE 800, 330 TOWN CENTER
(33) Name of priority country	:U.K.	DRIVE, DEARBORN MICHIGAN 48126, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SKIPP, DAVID
(87) International Publication No	: NA	2)HOARE, GRAHAM
(61) Patent of Addition to Application Number	:NA	3)BERKEMEIER, OLIVER
Filing Date	:NA	4)CRISP, NICHOLAS DASHWOOD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An engine system 5 is disclosed having a direct injection engine 20 and an electronic controller 40. The engine includes a number of cylinders 11, 12, 13 each of which has a combustion chamber 30 into each of which protrudes a tip portion 61 of a fuel injector 60. The fuel injector tip 61 is coated with a catalytic material 65 and the controller 40 is operable to operate the engine 20 in a heating mode of operation whenever heating of the fuel injector tip portion 61 is required. By heating the fuel injector tip portion 61 carbon deposits which would otherwise collect on it are removed. Various methods for heating the fuel injector tip 61 are proposed including operating the engine on a reduced number of cylinders and varying one or both of fuel injection timing and quantity of fuel injected and the ignition timing in order to increase the temperature of combustion.

No. of Pages: 29 No. of Claims: 28

(21) Application No.1683/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MACHINE TOOL

(51) International classification	:G06Q10/06	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)KABUSHIKI KAISHA TOSHIBA
(31) Thority Document 110	125248	Address of Applicant :1-1, Shibaura 1-chome, Minato-ku,
(32) Priority Date	:18/06/2014	Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)UEKITA Masahiro
Filing Date	:NA	
(87) International Publication 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 machine tool 1 for machining a hole 3a of a desired size in a workpiece 3,includes: a main shaft 30 holding a tool 2; a spindle unit 40 including a spindle 41 which holds the shaft 30 rotatably on the axis r of rotation, and a housing 42 which covers the periphery of the spindle 41; a drive unit 50 for holding the unit 40 tiltably with respect to the 10 workpiece 3 held by a holder 20, and for moving the unit 40 relative to the workpiece 3; a mount 70 extending from the housing 42 toward the periphery of the shaft 30; and a control section 90 which, based on the results of measurement by distance measurement sensors 82 held by the mount 70, controls the unit 50 so as to correct the inclination of the shaft 30 with respect to the workpiece 3.

No. of Pages: 36 No. of Claims: 9

(21) Application No.11408/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: COLORANT COMPOUNDS DERIVED FROM GENIPIN OR GENIPIN CONTAINING MATERIALS

(51) International :C09B23/04,C09B67/22,C09B67/54 classification

(31) Priority Document No :61/826391 (32) Priority Date :22/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/IB2014/001735

:22/05/2014

Filing Date

(87) International Publication :WO 2014/188275

(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)ECOFLORA S.A.S.

Address of Applicant :Calle 80 Sur # 47 D 65 Urbanizacion

Industrial La Holanda Int 103 Sabaneta Antioquia 103

COLUMBIA

(72) Name of Inventor: 1)CANO Esteban Vargas

2)LOPEZ Luis Fernando Echeverri 3)ROMERO Juan Fernando Gil 4)GARCES Edwin Andres Correa 5)PORRAS Sandra Patricia Zapata

The present disclosure provides colorant compounds and methods of isolation of the colorant compounds derived from a reaction of genipin and an amine. The colorant compositions comprise purified compounds (e.g., a purified polymer or a purified dimer) obtained from multiple fractioning by chromatography of the reaction resulting material. The purified polymer or dimer can be used as a colorant by itself or in combination with another colorant for imparting color to a food, a drug, a cosmetic, a medical device, and textile products.

No. of Pages: 113 No. of Claims: 113

(21) Application No.11409/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: OXYGEN-DETECTING MULTILAYERED BODY AND OXYGEN DETECTING PACKAGING MATERIAL AND OXYGEN SCAVENGER PACKAGE USING SAID OXYGEN DETECTING MULTILAYERED BODY

(51) International :G01N31/00,B65D81/26,G01N31/22 classification

(31) Priority Document No :2013130923 (32) Priority Date :21/06/2013

(33) Name of priority :Japan

country

(86) International :PCT/JP2014/066198

Application No :18/06/2014

Filing Date

(87) International Publication: WO 2014/203942

(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)MITSUBISHI GAS CHEMICAL COMPANY, INC.

Address of Applicant: 5 2 Marunouchi 2 chome Chiyoda ku

Tokyo 1008324 Japan (72) Name of Inventor: 1)SUGITO Ken

(57) Abstract:

[Problem] The provision of an oxygen-detecting multilayered body wherein changes in the color of an oxygen-detecting layer are easy to discern and cracks in said oxygen-detecting layer can be prevented. [Solution] This oxygen-detecting multilayered body is provided with a transparent resin layer, a heat-sealing layer, and an oxygen-detecting layer that contains an oxygen detecting component and is provided between parts of the transparent resin layer and the heat-sealing layer. A spacer is provided between parts of the transparent resin layer and the heat- sealing layer so as to fill at least part of the section where the oxygen-detecting layer is not provided and compensate for the thickness of the oxygen-detecting layer. The oxygen-detecting layer is between 0.5 and 40 um thick, inclusive, and the ratio between the thickness of the oxygen-detecting layer and the thickness of the spacer is between 1:1 and 1:10, inclusive.

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

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CONTAINER WITH DRIP PROOF CAP

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:14/303,162	1)DART INDUSTRIES INC.
(32) Priority Date	:12/06/2014	Address of Applicant: 14901 South Orange Blossom Trail,
(33) Name of priority country	:U.S.A.	Orlando, Florida 32837, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dimitri M.C.J. Backaert
(87) International Publication No	: NA	2)Kris Schoukens
(61) Patent of Addition to Application Number	:NA	3)Robijn Dufloo
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A container providing improved features. The container prevents uncontrolled dripping of a liquid and directs a liquid drop present on a cap which closes the spout back into the container when the cap is open. The container includes a series of measuring indicators on the base for measuring a volume of material, such as a liquid. Also, the cover includes a further series of inverted measuring indicators for measuring a volume of material. The invention likewise includes a measuring device for measuring two or more liquids or dry ingredients such as by providing volume measuring indicators on a cover for a container as well as on the container. The measuring device may be a single measuring device which measures two or more liquids or dry materials, and may be configured for mixing the measured materials together in the same measuring device.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CONTROL DEVICE FOR VEHICLE AND CONTROL, METHOD FOR VEHICLE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:2014- 118987 :09/06/2014 :Japan :NA :NA	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor: 1)KATO, Shinji 2)YAMANAKA, Satoshi
Filing Date	:NA	2)YAMANAKA, Satoshi
(87) International Publication No	:NA : NA	3)OTSUBO, Hideaki
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A control device for a vehicle includes a control unit. The control unit has a first traveling mode in which a power connection and disconnection device 50 is engaged during traveling, a second traveling mode in which the power connection and disconnection device 50 is released during traveling, and a third traveling mode. The control unit executes the second traveling mode when i) the vehicle speed is equal to or higher than the lower limit vehicle speed and equal to or lower than an upper limit vehicle speed, ii) the accelerator depressing amount is greater than a first depressing amount and smaller than a second depressing amount, and iii) an accelerator depressing amount variation is zero, or the control unit determines that a traveling condition is deceleration traveling based on the accelerator depressing amount variation.

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

(21) Application No.1375/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MEMS SENSOR WITH DECOUPLED DRIVE SYSTEM

(51) International classification(31) Priority Document No(32) Priority Date	:B81C :62/001,474 :21/05/2014	' '
(33) Name of priority country	:U.S.A.	Jose, CA 95110, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ozan Anac
(87) International Publication No	: NA	2)Joseph Seeger
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In a first aspect, the angular rate sensor comprises a substrate and a rotating structure anchored to the substrate. The angular rate sensor also includes a drive mass anchored to the substrate and an element coupling the drive mass and the rotating structure. The angular rate sensor further includes an actuator for driving the drive mass into oscillation along a first axis in plane to the substrate and for driving the rotating structure into rotational oscillation around a second axis normal to the substrate; a first transducer to sense the motion of the rotating structure in response to a Coriolis force in a sense mode; and a second transducer to sense the motion of the sensor during a drive mode. In a second aspect the angular rate sensor comprises a substrate and two shear masses which are parallel to the substrate and anchored to the substrate via flexible elements.

No. of Pages: 43 No. of Claims: 26

(21) Application No.1513/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CERITINIB FORMULATION

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:62/004359 :29/05/2014 :U.S.A.	(71)Name of Applicant: 1)Novartis AG Address of Applicant: Lichtstrasse 35, 4056 Basel, Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Sebastian BREULLES
(87) International Publication No	: NA	2)Simon ENSSLIN
(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 new pharmaceutical composition comprising Ceritinib. Particularly it is directed to the tablet that is prepared by wet granulation, wherein povidone is used as a binder. Further feature of the composition is that the drug and the binder form the inner phase, whereas all other excipients are added in a powder form as an outer phase. This way, the sticking of the composition is prevented and sufficient tablet hardness can be reached.

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

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND THREAD CUTTING DEVICE FOR CLAMPING AND CUTTING A THREAD

(51) International classification	:D05B65/02	(71)Name of Applicant :
(31) Priority Document No	:10 2014 107 846.2	1)Maschinenfabrik Rieter AG Address of Applicant :Klosterstrasse 20, 8406 Winterthur,
(32) Priority Date	:04/06/2014	Switzerland Switzerland
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Gernot Schffler
Filing Date	:NA	2)Javier-Orlando Ricaurte-Rubio
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a method for clamping and cutting a thread (2), the thread (2) being fed into a cutting channel (4), clamped at two clamping points (31), and then torn, the thread (2) being clamped at a distance that is greater than the average fiber length. The thread (2) is deflected between the two clamping points (31) and prior to being clamped, then clamped, and finally cut apart between the two clamping points (31). In a corresponding thread cutting device for clamping and cutting a thread (2), the device comprises a cutting channel (4) in which two clamping points (31) are disposed. A piston (8), a punch (20), an anvil (25), and a slider (7) are associated with the cutting channel (4), and the punch (20) works together with the anvil (25) for clamping the thread (2) at the two clamping points (31) and the slider (7) can be moved transverse to the thread (2) between the two clamping points (31) for cutting through the thread (2).

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

(21) Application No.1713/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FOAMED TYPE FENDER

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:10-2014- 0069334	(71)Name of Applicant: 1)SEA ZONE CO., LTD. Address of Applicant:71-11 Sindeok-ro, Saenggeuk-myeon, Eumseong-gun, Chungcheongbuk-do, Republic of Korea (72)Name of Inventor: 1)SIN, Yong Joo
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The present invention relates to a foamed tape-wound fender, and more particularly, to a foamed tape-wound fender wherein array angles of reinforcing threads wound on an outer surface of a core consisting of a hollow shaft and the foamed tape by a winding apparatus are adjusted and thus the reinforcing threads are wound on the entire outer surface of the core with uniform tensions and intervals and the firmness and durability of the fender can increase. That is to say, the foamed tape-wound fender of the present invention includes a hollow shaft with flanges formed at its both ends; a foamed tape (20) elongatedly formed having a constant width of from 150 to 250 mm and continuously wound layer by layer while heat-fused between the both flanges of the hollow shaft to thereby form a cylindrical core, with adjacent upper and lower layers having opposite winding angles so as to cross each other; reinforcing threads wound on an outer surface of the core while arrayed thereon; and an outer cover layer formed by applying polyurea resin on the outer surface of the core with the reinforcing threads (30) wound thereon, wherein the reinforcing threads are adjusted in array angles thereof by a winding apparatus and thus wound on the entire outer surface of the core with uniform tensions.

No. of Pages: 27 No. of Claims: 5

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FUEL CUTOFF TESTING SYSTEM •

(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 (82) Divisional to Application Number (83) Name of priority country (84) International Application No (85) International Publication No (86) Patent of Addition to Application Number (87) International Publication Number (88) International Publication No (89) International Publication Number (80) Divisional to Application Number (81) Patent of Addition to Application Number (81) Patent of Addition to Application Number (82) Divisional to Application Number (83) Address of Applicant :100 North Riverside Plaza, Chicago, IL (84) Chicago, IL (85) Address of Applicant :100 North Riverside Plaza, Chicago, IL (86) 60606-2016, USA U.S.A. (72) Name of Inventor: (72) DARREN GORDON McDONALD (73) Patent of Addition to Application Number (74) Patent of Addition to Application Number (75) Patent of Addition to Application Number (76) Divisional to Application Number	 (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:U.S.A. :NA :NA : NA : NA :NA	Address of Applicant :100 North Riverside Plaza, Chicago, IL 60606-2016, USA U.S.A. (72)Name of Inventor: 1)DARREN GORDON McDONALD
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(57) Abstract:

A method and apparatus for controlling operation of an engine (226) in an aircraft (202). A time (244) when a cutoff speed (246) for the aircraft (202) will be reached at which a flow of fuel (224) is to be stopped is identified. A delay (248) between sending a command (250) to move a switch (214) to an off position (222) and the time (244) at which the engine (226) ceases operation is also identified. The command (250) is sent based on the predicted time (244) and the delay (248). The command (250) causes the switch (214) to move to the off position (222) moving a fuel control sv;itch (238) for the engine (226) of the aircraft (202) to a shut off position (242) to stop the flow of fuel (224) to the engine (226).

No. of Pages: 41 No. of Claims: 15

(22) Date of filing of Application :21/05/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : APPARATUS AND METHOD FOR ALARM PANEL WIFI ALARM AUDIO VERIFICATION CONNECTIVITY TEST \bullet

(51) International classification	:G08B	(71)Name of Applicant:
(31) Priority Document No	:62/008,284	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:05/06/2014	Address of Applicant: 101 Columbia Road, POB 2245,
(33) Name of priority country	:U.S.A.	Morristown, N.J. 07962-2245, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CHAD CHURILLA
(87) International Publication No	: NA	2)MICHAEL EVERALD BARRETT
(61) Patent of Addition to Application Number	:NA	3)RAYMOND J. JORDAN
Filing Date	:NA	4)ELIRAN NOACH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A system and method which provide alarm audio verification testing in connection with a regional monitoring system operate in parallel with a local system control panel, or unit. The testing capability functions in a standalone mode relative to the monitoring system, and, can implement a test without causing a false alarm detectable by the panel.

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

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: MULTICAST VIDEO TRANSMISSION IN GIGABIT-CAPABLE PASSIVE OPTICAL NETWORKS

	****	(71)X
(51) International classification	:H04Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :3, avenue Octave Grard 75007 Paris
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOGANNATHAN, Aravindan
(87) International Publication No	: NA	2)SURYA, Gopal
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Devices and methods for transmission of multicast videos in gigabit-capable passive optical networks are described. An optical line terminal (102) includes multiple GEM ports (120), a forwarder (204) to receive multicast IP (mIP) video packets of a plurality of service providers and forward the mIP video packets to the GEM ports (120), and a GPON MAC unit (212) to encapsulate the mIP video packets into GEM frames. The optical line terminal (102) includes a control unit (202) that configures the forwarder (204) to allocate a separate GEM port (120) to the mIP video packets of each of the plurality of service providers, and configures the GPON MAC unit (212) to code a GEM port identifier in each of the GEM frames. The GEM port identifier is unique for each of the GEM ports (120) associated with the mIP video packets of each of the plurality of service providers.

No. of Pages: 40 No. of Claims: 19

(21) Application No.1575/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND FORMULATION FOR TREATING MUCOSAL DISCONTINUITIES AND FOR REDUCING BIOFILMS

(51) International classification	:A61M35/00	(71)Name of Applicant:
(31) Priority Document No	:62/006,330	1)EPIEN MEDICAL, INC.
(32) Priority Date	:02/06/2014	Address of Applicant :4225 White Bear Parkway Suite 600
(33) Name of priority country	:U.S.A.	White Bear Lake, Minnesota 55110, United States of America
(86) International Application No	:NA	U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BASARA, Michael
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A gelled formulation suitable for use in the treatment of oral mucosal discontinuities, comprising: phenolsulfonic acid in a concentration of 25-80% by weight; guaiacolsulfonic acid in a concentration of 25-80% by weight; free sulfuric acid in a concentration of 0 to 32% by weight; and water in a concentration of 0 to 3% by weight diluted in a gel comprising colloidal silica to a concentration of 2 to 5% by weight of the gel.

No. of Pages: 19 No. of Claims: 22

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TWO-STEP PROCESSING METHOD FOR PREPARING STARCH BASED FOOD PRODUCTS

 (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 	:A23L1/053 :61/997,776 :10/06/2014 :U.S.A. :NA :NA :NA	1 / 3
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The disclosure provides a method for preparing a shelf-stable starch based food product. The method includes introducing a quantity of a starch based ingredient and other ingredients including water, as required by a recipe, in a container. The method further includes sealing the container with a volume of one or more gases present therein such that the volume of one or more gases is based on the quantity of the ingredients. The method also includes processing the container, at a first temperature and a first pressure, for substantially cooking the ingredients, and further processing the container, at a second temperature and a second pressure, for substantially sterilizing the contents, including the ingredients and gases, inside the container.

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

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD AND SYSTEM OF IMPLEMENTING HIGH DIMENSIONAL HOLO-HILBERT SPECTRAL ANALYSIS

	COZIZ	
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:61/990,828	1)National Central University
(32) Priority Date	:09/05/2014	Address of Applicant :No. 300, Jhongda Rd., Jhongli District,
(33) Name of priority country	:U.S.A.	Taoyuan City 32001, Taiwan, Republic of China Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)HUANG, Norden. E.
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides a method of implementing the high dimensional Holo-Hilbert spectral analysis which transforms a data from time domain to frequency domain. At the first of the steps, obtaining an amplitude intrinsic mode component and an instantaneous frequency component of the data by a mode decomposition, such as using Empirical Mode Decomposition(EMD), adaptive filtering, or optimal basis pursue, etc to show a plurality of amplitude intrinsic mode functions (amplitude IMFs) and a plurality of frequency intrinsic mode functions (frequency IMFs). Then, analyzing each of the amplitude IMFs and the frequency IMFs to obtain a plurality value in different high order components. At the last, to establish a high dimensional Holo-Hilbert spectrum by combining the high order component with the original component to show the interaction between frequency and amplitude. Consequently, the present invention not only discloses a spectrum that can represent all the possible processes: additive and multiplicative, intra- and inter-mode, stationary and nonstationary, linear and nonlinear interactions, but also makes a new index for quantifying the inter-mode degree of nonlinearity possible.

No. of Pages: 45 No. of Claims: 20

(22) Date of filing of Application :13/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PRINTING COUPLE FOR A ROTARY PRINTING PRESS •

(51) X	D.41E	
(51) International classification	:B41F	(71)Name of Applicant:
(31) Priority Document No	:10 2014	1)MANROLAND WEB SYSTEMS GMBH
(b) Thomy Boundary	108 524.8	Address of Applicant : Alois-Senefelder-Allee 1, 86153
(32) Priority Date	:17/06/2014	Augsburg, Germany, Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)WOLFGANG KASER
Filing Date	:NA	
(87) International Publication 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 printing couple (10) for a rotary printing press (I), comprising: a forme cylinder (15), on the circumference of rihich at least one print form can be received, an inking unit (20) with a roller train (21), rihich is equipped in a first circumferential region of the forme cylinder to interact with the same in order to transfer printing ink onto the same, a dampening unit (30) with a roller train (31), which is equipped in a second circumferential region of the forme cylinder to interact with the same in order to transfer dampening solution onto the same and a transfer cylinder (40), which is equipped in a third circumferential region of the forme cylinder to interact with the same in order to transfer a print image of the print form onto the transfer cylinder. In order to selectively make available additional working space about the circumference of the forme cylinder, at least one of the roller trains can be shifted between a working position, in which it interacts with the forme cylinder in the relevant circumferential region and a parking position, in which the circumferential region claimed on the forme cylinder by this roller train is freed.

No. of Pages: 29 No. of Claims: 14

(21) Application No.1721/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SUPERCHARGER

 (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 	:2014- 122530	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor: 1)MATSUI Hiroki
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(57) Abstract:

A supercharger includes a turbine housing and a pipe. An exhaust-gas inlet portion of the turbine housing is connected to an exhaust system member, and includes a scroll port and a bypass port. The pipe is configured to cover an inner peripheral surface of the exhaust-gas inlet portion in a state where at least part of the pipe is distanced from the inner peripheral surface, and includes all inserted portion which is positioned in the exhaust-gas inlet portion of the turbine housing. An inner passage of the pipe is branched into a first branch passage connected to the scroll port and a second branch passage connected to the bypass port. At least part of a pipe wall of the pipe is a part of the second branch passage, and is distanced from the inner peripheral surface of the exhaust-gas inlet portion.

No. of Pages: 27 No. of Claims: 6

(21) Application No.1260/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :06/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SYSTEM AND METHOD OF FRICTION WELDING A WORKPIECE •

(51) International classification (31) Priority Document No	:B23K :14/284,441	(71)Name of Applicant: 1)ARVINMERITOR TECHNOLOGY, LLC
(32) Priority Date	:22/05/2014	
(33) Name of priority country	:U.S.A.	Michigan 48084, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)YANG ZHAI
(87) International Publication No	: NA	2)JOHN KELLY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A system and method of friction welding a workpiece. A curl forming die may be disposed proximate a first part and a second part. The curl forming die may form a curl that is generated when the first part is friction welded to the second part

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

(21) Application No.1390/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AN UNREELING HOOK FOR TYING PLANTS

(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 (82) Divisional to Application Number (83) Filing Date (84) Patent of Addition to Application Number (85) Divisional to Application Number (86) Divisional to Application Number (87) Filing Date (88) NA (89) NA	(71)Name of Applicant: 1)A RAYMOND ET CIE Address of Applicant:113 cours Berriat, 38000 Grenoble, France France (72)Name of Inventor: 1)JOSEP TORRES CARPIO 2)MIQUEL MASSAGUER AGULLO
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(57) Abstract:

An unreeling hook for string for training a climbing plant, said unreeling hook comprising a hook (C) designed to be hooked onto a support cable (14) and an unreeling reel designed to receive a hank of string, said unreeling hook being characterized in that said hook and said unreeling reel are arranged in such a manner that, by hooking said hook onto said cable, said cable expels said hank of string from said unreeling reel.

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : IMAGE PROCESSING METHOD AND IMAGE PROCESSING DEVICE FOR PERFORMING THE SAME

(51) International classification(31) Priority Document No	:H04W :10-2014- 0062068	(71)Name of Applicant: 1)SAMSUNG DISPLAY CO., LTD. Address of Applicant:95, Samsung 2 Ro, Giheung-Gu
(32) Priority Date	:23/05/2014	Yongin-City, Gyeonggi-Do, Korea, Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor : 1)CHANG-HOON LEE
(86) International Application No	:NA	2)IL-NAM KIM
Filing Date	:NA	3)JONG-IN BAEK
(87) International Publication No	: NA	4)YI-JOON AHN
(61) Patent of Addition to Application Number	:NA	5)WON-SANG PARK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An image processing method and image processing device for performing the same are disclosed. In one aspect, the image processing method includes transmitting a content image having a visual condition to a display unit. The method also includes periodically changing the visual condition from a first visual condition to a second visual condition according to a modulation timing such that the content image to be displayed after the modulation timing has the second visual condition different from the first visual condition before commencement of the modulation timing.

No. of Pages: 52 No. of Claims: 20

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WATER TREATMENT PLANT

(51) Intermetical elegification	.D01D61/12	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(31) I Hority Document No	129810	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:25/06/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMANOI Ichiro
Filing Date	:NA	2)NAKAMURA Nobuyuki
(87) International Publication No	: NA	3)NISHIDA Yoshinori
(61) Patent of Addition to Application Number	:NA	4)TAKEMOTO Takeshi
Filing Date	:NA	5)TACHI Takahiro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A water treatment plant including: influent as water to be treated; an aerobic vessel for oxidizing the influent; a blower that sends air into the aerobic vessel; a downflow rate estimating unit that estimates flowdown velocity in the aerobic vessel; an influent water quality estimating unit that estimates the water quality of the influent; a blower air flow rate measuring unit that measures the air flow rate of the blower; and a blower air flow rate calculating unit that calculates the air flow rate of the blower. The water quality estimated at the inflow water quality estimating unit is water quality that fluctuates by blowing oxygen from the blower. The blower air flow rate calculating unit has a required air flow rate calculating function for describing at least water quality-required air flow rate relation related to the water quality estimated at the influent water quality estimating unit and a required air flow rate. A blower air flow rate is calculated using the required air flow rate calculated based on the value of water quality at the present time estimated at the influent water quality estimating unit and the required air flow rate calculated based on a past value.

No. of Pages: 34 No. of Claims: 7

(22) Date of filing of Application :09/06/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : POWER CONVERTER, SHORT-CIRCUIT DETECTING DEVICE THEREOF AND SHORT-CIRCUIT DETECTING METHOD THEREOF

 (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 	:H05B37/02 :201410258321.1 :11/06/2014 :China :NA :NA	(71)Name of Applicant: 1)Delta Electronics (Shanghai) Co., Ltd. Address of Applicant: 1F & 7F & 8F, Building 1, No.1675 Huadong Road, Pudong, Shanghai, 201209, China P.R.C. China (72)Name of Inventor: 1)Ming WANG 2)Jian-Ping YING
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 		3)Jian-Ping YING 3)Jian-Gang HUANG 4)Li-Feng QIAO 5)Tao JIANG

(57) Abstract:

A short-circuit detecting device includes a coil and a processing circuit. The coil is configured to detect a variation of magnetic flux intensity generated by a current variation of a current flowing through a power semiconductor switch and to generate an induced electromotive force based on the variation of magnetic flux intensity. When the current variation rate of said current is greater than a predetermined value, the processing circuit is configured to generate a short-circuit signal based on the induced electromotive force so as to turn off the power semiconductor switch based on the short-circuit signal.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PRINT PRODUCT WITH ACCESS CODE •

(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 (82) Divisional to Application Number Filing Date (83) Name of priority country Segrmany SinA SinA	 (71)Name of Applicant: 1)MANROLAND WEB SYSTEMS GMBH Address of Applicant: Alois-Senefelder-Allee 1, 86153 4 Augsburg, Germany Germany (72)Name of Inventor: 1)THOMAS EISENSTEGER 2)PETER SCHULMEISTER
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(57) Abstract:

With a method for producing a print product with an access code in a reel-fed rotary printing press, wherein the access code is printed in a code region on a first sheet of the print product, the access code is to be particularly well protected against illegitimate extraction or viewing by third parties. Furthermore, the buyer of such a print product with an access code is to be able to particularly easily detect if attempts were made by third parties to view this access code. For this purpose, the code region is covered by means of a viewing safeguard in such a manner that the viewing safeguard can only be irreparably removed.

No. of Pages: 20 No. of Claims: 17

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR MANUFACTURING AUTOMOTIVE RESIN PART AND MANUFACTURING DEVICE OF AUTOMOTIVE RESIN PART

(51) International classification	:B60N2/44	(71)Name of Applicant:
(31) Priority Document No	:2014- 116171	1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:04/06/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)IWANO Yoshihiro
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
* *		

(57) Abstract:

A method for manufacturing an automotive resin part includes: heating a fiber reinforced plastic material that uses a therlnoplastic resin as a binder resin and arranging the fiber reinforced plastic material between a first die having a projected section for molding and a second die having a recessed section for molding that corresponds to the projected section; approaching the first die and the second die in a molding direction and holding the fiber reinforced plastic material by the pro-jected sectioli and a movable pad provided in the recessed section; and stacking the first die and the second die in the molding direction and press-molding the fiber reinforced plastic material while a state that the fiber reinforced resin material is held between the projected section and the movable pad is maintained by moving the movable pad along with movement of the projected section in the moldilg direction.

No. of Pages: 18 No. of Claims: 6

(21) Application No.1658/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DAMPER DEVICE FOR VEHICLE

 (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 	:2014- 119098	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor: 1)YOKOUCHI Yoshimitsu
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(57) Abstract:

A damper device for a vehicle comprises, a first rotational member, a second rotational member, a first elastic body, a hysteresis mechanism and a second elastic body. The first rotational member is rotatable about a rotational axis. The second rotational nember is rotatable relatively to the first rotational member. The first elastic body is arranged between the first rotational member and the second rotational member without torsion. The hysteresis mechanism is arranged between the first rotational member and the second rotational member. The hysteresis mechanism and the second elastic body are connected in series between the first rotational member and the second elastic body between the first rotational member and the second rotational member.

No. of Pages: 38 No. of Claims: 6

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : IMAGE CAPTURING OPTICAL SYSTEM, IMAGE CAPTURING DEVICEAND PORTABLE DEVICE

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:Taiwan	Taichung City 408, Taiwan (R.O.C.). Taiwan (72)Name of Inventor:
(86) International Application No	:NA	1)CHEN, WEI-YU
Filing Date	:NA	2)HSU, CHIH-WEN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides an image capturing optical system comprising: a positive first lens element having a convex object-side surface in a paraxial region; a second lens element with refractive power; a third lens 5 element; a fourth lens element having a concave image-side surface in a paraxial region; a plastic fifth lens element having a concave image-side surface in a paraxial region, and the image-side surface has at least one convex shape in an off-axis region thereof; and a plastic sixth lens element w having a concave image-side surface in a paraxial region, and the image-side surface 10 has at least one convex shape in an off-axis region thereof.

No. of Pages: 90 No. of Claims: 27

(21) Application No.1054/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :17/04/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: ANDROID LED TELEVISION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:H04N7/01 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)ARISE INDIA LIMITED C/O DIRECTOR MS. ANJU JAIN Address of Applicant: B-38 JAIN CHOWKMANGLAPURI, PALAM, NEW DELHI-110045, INDIA. Delhi India (72)Name of Inventor:
 (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	1)AMIT JAIN

(57) Abstract:

The invention provides an Android LED Television which has in it dual core processor and an operational system with Android version 4.2 installed inside the system. The utility comprises of a LED display screen, Google Play store, browser, and an in-built memory of 4GB along with a SD Card slot for extra memory. The android television also provides for a sync view and MHL.

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

(21) Application No.1266/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/02/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WATER PIPE HEAD

 (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 	:30/08/2012 :WO 2014/032716 :NA	(71)Name of Applicant: 1)THE SHISHA COMPANY LIMITED Address of Applicant: Sea Meadow House/Blackburne Highway P.O. Box 116 Road Town Tortola VIRGIN ISLANDS (72)Name of Inventor: 1)PORTZ Michael 2)MALHERBE Willem Stephanus
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a water pipe head (2) comprising a capsule (12) including smokeable material (10) a first sealing element (6) being detachably attached to a first surface of the capsule and a second sealing element (3) being detachably attached to a second surface of the capsule for sealing the capsule a guiding element (8) having a first opening in which the capsule is held an opposing second opening and an intermediate passage connecting the first opening and the second opening and a longish element (7) being attached to the first sealing element and extending from the first sealing element (6) through the intermediate passage and through the second opening to the outside of the guiding element.

No. of Pages: 41 No. of Claims: 20

(21) Application No.1329/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : FAILURE DETECTION SYSTEM, FAILURE DETECTION DEVICE AND ITS DETECTION METHOD

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(31) Thority Document No	143089	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:11/07/2014	Tokyo 1008280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TANABE Norihide
Filing Date	:NA	2)KUBO Morimitsu
(87) International Publication No	: NA	3)HAKU Shito
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

To provide a control device with high soundness in a signal security device of a vehicle. Information transmitted to a trackside antenna beacon by a plurality of control devices including a control device for controlling a signaling system indicating a stop signal in the control device for controlling a signaling system is compared with each other by each of the control devices so as to identify the failed control device. Thus, the failed control device can be quickly notified to a direction room, and arrival of a maintenance staff and replacement of the control device can be performed quickly. As a result, disruption of a schedule of an operated train can be suppressed.

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

(21) Application No.1391/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SYSTEM AND METHOD OF MOTION DETECTION AND SECONDARY MEASUREMENTS

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:14/293,517	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:02/06/2014	Address of Applicant :101 Columbia Road, POB 2245,
(33) Name of priority country	:U.S.A.	Morristown, N.J. 07962-2245, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DANIEL J. SHEFLIN
(87) International Publication No	: NA	2)KENNETH L. ADDY
(61) Patent of Addition to Application Number	:NA	3)ARAVIND PADMANABHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A regional monitoring system in communication with a plurality of locally displaced detectors can implement a fusion of inputs from a variety of additional, non-system devices. The monitoring system includes a wireless receiver, or transceiver, enabling it to detect local traffic from the non-system devices, such as sensors. Information received from such non-system devices can be combined with information from system detectors to initiate activity on other networks, to energize actuators, or to activate system detectors that normally reside in a low energy, inactive, state.

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

(21) Application No.1732/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SCROLL COMPRESSOR

(51) International classification	:F04C18/02	(71)Name of Applicant:
(31) Priority Document No	:CN201410254959.8	
(32) Priority Date	:10/06/2014	Address of Applicant :No. 5 Fuyuan Road, Wuqing
(33) Name of priority country	:China	Development Area, Tianjin, 301700, P.R.China; China
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LIN, Ma
(87) International Publication No	: NA	2)ZILI, Sun
(61) Patent of Addition to Application	:NA	3)WEI, Jiang
Number	:NA	4)WENHU, Yao
Filing Date	.IVA	5)FEIFEI, Wang
(62) Divisional to Application Number	:NA	6)YU, Chen
Filing Date	:NA	7)KAILAI, Zhang

(57) Abstract:

A scroll compressor includes a shell; an orbiting scroll; a fixed scroll, the orbiting scroll and the fixed scroll forming a compression component; a housing, configured to support the fixed scroll, with a gas passage throughout the housing and leading to the compression component; a motor below the housing, including: a rotor; a stator; a drive shaft connected with the orbiting scroll; a motor supporting shell tube, wherein the tube is in the shell, an upper end of the tube is connected with the housing, and the rotor and the stator are in the tube; a first suction inlet, at a lower portion of the shell; a second suction inlet, at a lower portion of the motor tube; and a first passage formed by a gap between the shell and the tube, gas from the first suction inlet entering the compression component through the gas passage along the first passage.

No. of Pages: 17 No. of Claims: 13

(22) Date of filing of Application :01/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AIR CONDITIONER AND METHOD OF CONTROLLING THE SAME

(51) International classification	:F24F	(71)Name of Applicant:
(31) Priority Document No	:PI	1)O.Y.L. RESEARCH & DEVELOPMENT CENTRE SDN
(31) Fliority Document No	2014702854	BHD
(32) Priority Date	:29/09/2014	Address of Applicant :Lot 60334, Persiaran Rahman Putra 3,
(33) Name of priority country	:Malaysia	Taman Perindustrian Bukit Rahman Putra, 47000 Sungai Buloh,
(86) International Application No	:NA	Selangor, Malaysia Malaysia
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TEE Boon Siong
(61) Patent of Addition to Application Number	:NA	2)MAK Sai Chuan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An air conditioner that can be controlled by a gesture comprises a distance measurement sensor (DMS) for detecting the gesture at a distance and the gestureTMs sequence by measuring the distance as a signal. The air conditioner further comprises a microprocessor for processing the signal and a LED for indicating the detection of the gesture. Based on the output signals produced by the DMS, a microprocessor will determine whether or not a correct signal is detected. The correct signal will provide instruction either to switch on or off the air conditioner depending on its current state.

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

(22) Date of filing of Application :14/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: BARREL NUT WITH STRESS REDUCTION FEATURES •

 (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 	:G02B :14/469,640 :27/08/2014 :U.S.A. :NA :NA : NA	'
Filing Date (62) Divisional to Application Number	:NA :NA	S)WICHAEL RONALD BUTCHER
Filing Date	:NA	

(57) Abstract:

A barrel nut with features for reducing tensile stresses under heavy load within the barrel nut has a partial-cylindrical body having a first planar end surface and a second planar end surface. A threaded bore extends through the partial-cylindrical body with a central axis substantially parallel to the first planar end surface and the second planar end surface. At least one groove is formed in each of the first planar end surface and the second planar end surface extending at least a part of a distance between a curved upper surface of the partial-cylindrical body to a bottom surface thereof in a direction substantially parallel to the central axis of the threaded bore.

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

(21) Application No.1746/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :10/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: EXHAUST SYSTEM FOR SCOOTER TYPE VEHICLE •

 (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 	:F01P3/18 :2014- 147927 :18/07/2014 :Japan :NA :NA :NA : NA :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 Japan (72)Name of Inventor: 1)KATSUKI MIURA
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(57) Abstract:

[Object] To provide an exhaust system for a scooter type vehicle, in which a catalytic converter is arranged in such a way as to avoid a rear wheel clearance recess having necessary dimensions and depth, and a rear wheel is replaceable without removal of an exhaust muffler while keeping a good external appearance and avoiding an increase in size of a vehicle body. [Means for solving the object] In an exhaust system for a scooter type vehicle, an exhaust muffler (71) is provided with a catalytic converter (90) therein and arranged on an opposite lateral side to the power transmission device (31, 33) which is located on a lateral side of a rear wheel (40). A rear wheel clearance recess (73P) is formed in a region of an inner lateral wall (73a) on the rear wheel (40) side of the exhaust muffler (71) facing a rear wheel axle (35). The catalytic converter (90) is arranged forwardly of the rear wheel clearance recess (73P) within the exhaust muffler (71).

No. of Pages: 60 No. of Claims: 10

(22) Date of filing of Application :10/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: OPTICAL FIBER BASE MATERIAL MANUFACTURING METHOD

(51) International classification	:C03B37/014	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Shin-Etsu Chemical Co., Ltd.
(31) Thorny Document No	123040	Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku,
(32) Priority Date	:16/06/2014	Tokyo 100-0004, Japan. Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Makoto YOSHIDA
Filing Date	:NA	
(87) International Publication 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 an optical fiber base material manufacturing method that includes, while rotating a starting member formed by fusing both ends of a core rod to dummy rods on an axis of the starting member, moving the starting member and burners back and forth relative to each other and depositing glass microparticles on a surface of the starting member. This method also includes setting two or more axes as back and forth movement axes allowing for back and forth movement relative to the starting member; providing a burner facing the starting member on each of the axes; causing each burner to traverse the starting member to an end of the starting member; and changing a position where at least two burners pass by each other during the traversing movement, in a longitudinal direction of the starting member.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : TEXTILE MACHINE, TEXTILE MACHINE SYSTEM AND UPDATING METHOD OF SETTING VALUES IN TEXTILE MACHINE

:B65H63/00	(71)Name of Applicant :
:2014- 132965	1)Murata Machinery, Ltd. Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
:27/06/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
:Japan	(72)Name of Inventor:
:NA	1)NOMA Eiji
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	:2014- 132965 :27/06/2014 :Japan :NA :NA :NA :NA

(57) Abstract:

A management device 50 includes a touch panel display 51 adapted to accept an input of various types of information, a storage section 57 adapted to store setting values, which are accepted via the touch panel display 51, as various processing conditions, an intermachine communicating section 53C adapted to enable communication with other automatic winder 1, and a setting management section 53A adapted to control the inter-machine communicating section 53C to transmit the setting values to the other automatic winder 1, and when the input of the setting values is enabled, to control the inter-machine communicating section 53C to transmit input start information, which is information notifying that the input of the setting values is enabled, to the other automatic winder 1.

No. of Pages: 60 No. of Claims: 20

(21) Application No.1758/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :11/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: NETWORK AUTHENTICATION METHOD FOR SECURE ELECTRONIC TRANSACTIONS

(51) International classification	:H04L9/30	(71)Name of Applicant :
(31) Priority Document No	:14/488,255	1)KEYPASCO AB
(32) Priority Date	:16/09/2014	Address of Applicant :MAGASINSGATAN 24, SE-411 18
(33) Name of priority country	:U.S.A.	GOTHENBURG, SWEDEN Sweden
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MAGNUS LUNDSTR-M
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In a network authentication method, a client device (2) stores a certificate reference mapped uniquely to a certificate (31), which is assigned to an end user (5), and a reference private key (23) obtained by encrypting a private key (313) with a PIN code determined by the end user (5). The client device (2) generates a digital signature for transaction data associated with the certification reference (32) using a current key that is obtained by decrypting the reference private key (23) with a user input code obtained through an input operation. A verification server (3) verifies, based on a public key (312) of a stored certificate (31), whether a received digital signature is signed with the private key (313), and obtains from the digital signature the transaction data when verification result is affirmative.

No. of Pages: 34 No. of Claims: 11

(21) Application No.1759/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: PRINTER AND CONTROL METHOD OF A PRINTER

(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 (NA Filing Date (NA (NA (NA (NA (NA (NA (NA (N	(71)Name of Applicant: 1)SEIKO EPSON CORPORATION Address of Applicant: 4-1, Nishi-shinjuku 2 chome, Shinjuku- ku, Tokyo 163 0811, JAPAN Japan (72)Name of Inventor: 1)SHUNICHI WAKASA
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(57) Abstract:

Barcodes can be printed while suppressing a drop in process efficiency. When the string of the font data written on the same line in the image buffer B as barcode image data consists of space characters, the control unit 30 of a printer 11 deletes the font data, writes the barcode image data to the image buffer B, and causes a print unit 33 to print a barcode image based on the buffered barcode image data.

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

(22) Date of filing of Application :11/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AIR JET SPINNING MACHINE AND METHOD FOR OPERATING THE SAME

 (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 	:00889/14 :12/06/2014	(71)Name of Applicant: 1)Maschinenfabrik Rieter AG Address of Applicant: Klosterstrasse 20, 8406 Winterthur, Switzerland Switzerland (72)Name of Inventor: 1)Gernot Schffler 2)Jrg Hehl 3)Andreas Fischer
		'
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The invention relates to a method for operating an air jet spinning machine, whereas the air jet spinning machine features at least one spinning unit with one spinning nozzle (2) for producing a yarn (6), whereas, during the operation of the spinning unit, the spinning nozzle (2) feeds a fiber composite (3) through an inlet (4) and in a predefined transport direction (T), whereas the fiber composite (3) within a vortex chamber (5) of the spinning nozzle (2) receives a twist with the assistance of a vortex air flow, such that a yarn (6) is formed from the fiber composite (3), which ultimately leaves the spinning unit (2) through an outlet (7), whereas, with the assistance of at least one sensor system (11), the yarn (6) leaving the outlet (7) is monitored with regard to defined yarn flaws (26), and whereas the production of yarn (6) is interrupted upon the detection of a corresponding yarn flaw (26). In accordance with the invention, it is proposed that, between the detection of the specified yarn flaw (26) and the interruption of the yarn production, a cleaning process is carried out at least from time to time, during which an additive (9) is fed to the spinning unit and is applied to the fiber composite (3) and/or the yarn (6) produced from the fiber composite (3) and/or on parts of the spinning nozzle (2). Moreover, an air jet spinning machine for carrying out the method is proposed.

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

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : EXHAUST GAS PURIFICATION CATALYST, METHOD OF PRODUCING THE SAME, AND EXHAUST GAS PURIFICATION METHOD USING THE SAME

(51) International classification	:F01N	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Fliolity Document No	114235	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:02/06/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIROSE Takuto
Filing Date	:NA	2)YAMAZAKI Kiyoshi
(87) International Publication No	: NA	3)SOBUE Yuichi
(61) Patent of Addition to Application Number	:NA	4)SHINMYO Yusuke
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An exhaust gas purification catalyst includes an alumina support, a silica layer, and active metal particles. The silica layer is formed on a surface of the alumina support. The active metal particles are formed of platinum and palladium, the platinum and the palladium being supported on the silica layer. A ratio of fine particles having a particle size of 2.0 nm or less to all the active metal particles is 50% or higher in terms of the number of particles, the fine particles being included in the active metal particles. A ratio of fine alloy particles having a palladium content ratio of 10 at% to 90 at% to all the fine particles is 50% or higher in terms of the number of particles, the fine alloy particles being included in the fine particles. S-elected drawing: None

No. of Pages: 41 No. of Claims: 7

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : EXHAUST GAS PURIFICATION CATALYST, METHOD OF PRODUCING THE SAME, AND EXHAUST GAS PURIFICATION METHOD USING THE SAME

(51) International classification	:F01N	(71)Name of Applicant:
(21) Priority Dogument No.	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Priority Document No	114305	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:02/06/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMAZAKI Kiyoshi
Filing Date	:NA	2)KATO Chika
(87) International Publication No	: NA	3)KIKUGAWA Masashi
(61) Patent of Addition to Application Number	:NA	4)HAMAGUCHI Tsuyoshi
Filing Date	:NA	5)SOBUE Yuichi
(62) Divisional to Application Number	:NA	6)SHINMYO Yusuke
Filing Date	:NA	

(57) Abstract:

An exhaust gas purification catalyst includes: a support formed of alumina and yttria; and platinum and palladium that are supported on the support. An yttria content in the support is 2 mass% to 15 mass%. A content ratio of the platinum to the palladium is in a range of 1 to 10 by mass ratio. At least a portion of the platinum and at least a portion of the palladium constitute a solid solution. A diffraction peak of a (311) plane of a crystal including the platinum, the palladium and the solid solution is present at 81.5° or higher in a range of 81.2° to 82.1°, the diffraction peak being identified by an X-ray diffraction method using CuKa rays. Selected drawing: None

No. of Pages: 34 No. of Claims: 9

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WIRE ROPE FOR ELEVATOR DEVICE AND ELEVATOR DEVICE USING THE WIRE ROPE

	D.C.CD	
(-)	:B66B	(71)Name of Applicant :
(31) Priority Document No	2014-	1)Hitachi, Ltd.
(31) Thomas Bocument 110	116345	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date :	05/06/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country :	Japan	(72)Name of Inventor:
(86) International Application No :	:NA	1)NUNOSHIGE Jun
Filing Date :	NA	2)OTA Ryo
(87) International Publication No :	NA	3)ABE Takashi
(61) Patent of Addition to Application Number :	NA	4)NAKAYAMA Masato
Filing Date :	:NA	
(62) Divisional to Application Number :	NA	
Filing Date :	NA	

(57) Abstract:

The wire rope of the present invention, which is formed by twisting a plurality of strands, each of which is made by twisting a plurality of steel wires, around a rope core of fibers, includes a mixed oil containing both a base oil containing at least one compound represented by General Formula (1) and a viscosity modifying agent having an average molecular weight of 1,000 to 100,000. General Formula (1) (Wherein, n represents an integer of 0 to 4. Each of X, X, and X independently represents a monocyclic hydrocarbon or a cyclic hydrocarbon having a bridged structure; each of R and R independently represents a direct bond or a C1-C3 alkylene group; and R represents a hydrogen atom, a C1-C3 alkylene group, or a cyclic hydrocarbon. Each of R, R, R, and R0 may independently have a C1-C3 alkylene group or a cyclic hydrocarbon in its side chain.)

No. of Pages: 43 No. of Claims: 7

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: A CROSS ARM OF X-RAY EQUIPMENT AND A CORRESPONDING X-RAY EQUIPMENT

(51) International classification	:A61B6/08	(71)Name of Applicant :
(31) Priority Document No	:201210220523.8	
(32) Priority Date		COMPANY LLC
(33) Name of priority country	:China	Address of Applicant :3000 NORTH GRANDVIEW
(86) International Application No	:NA	BOULEVARD, WAUKESHA, WI 53188-1696, USA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)LING, ZHENGGANG
(61) Patent of Addition to Application Number	:NA	2)WANG, YICHENG
Filing Date	:NA	3)XU, YONG
(62) Divisional to Application Number	:NA	4)WANG, ZHENGJUN
Filing Date	:NA	

(57) Abstract:

The present invention relates to the art of medical imaging devices. The present invention discloses a cross arm of X-ray equipment, comprising a guide provided on the cross arm and a tube provided on the guide, wherein the cross arm further comprises a linkage device, such that the tube can be driven to move along the guide when the cross arm rotates. When the cross arm is rotating, the tube can move with the cross arm, thereby reducing operation steps and improving maneuverability and convenience of equipment. Moreover, adjustment of SID can be completed automatically without being towed by a motor, thereby reducing equipments costs and improving market competitiveness.

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :24/11/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHODS OF TREATING CANCER

(57) Abstract:

METHODS OF TREATING CANCERS COMPRISING GENE AMPLIFICATION FGFR1 OVEREXPRESSION FGFR3 OVEREXPRESSION AMPLIFICATION FGF2 OVEREXPRESSION AND/OR GENE AMPLIFICATION ARE PROVIDED. IN SOME EMBODIMENTS THE METHODS COMPRISE ADMINISTERING A FIBROBLAST GROWTH FACTOR RECEPTOR 1 (FGFR1) EXTRACELLULAR DOMAIN (ECD) AND/OR AN FGFR1 ECD FUSION MOLECULE. IN SOME EMBODIMENTS THE METHODS COMPRISE ADMINISTERING A FGFR1 ECD AND/OR AN FGFR1 ECD FUSION MOLECULE IN COMBINATION WITH AT LEAST ONE ADDITIONAL THERAPEUTIC AGENT. IN SOME EMBODIMENTS METHODS OF TREATING CANCERS COMPRISING ADMINISTERING A FGFR1 ECD AND/OR AN FGFR1 ECD FUSION MOLECULE IN COMBINATION WITH AT LEAST ONE CHEMOTHERAPEUTIC AGENT ARE PROVIDED.

No. of Pages: 114 No. of Claims: 47

(21) Application No.1504/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ENGINE MOUNT

(51) International classification	:F16F13/10	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Filority Document No	117098	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:05/06/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HATANAKA Keishi
Filing Date	:NA	2)YOSHII Noriaki
(87) International Publication No	: NA	3)SUZUKI Yasuo
(61) Patent of Addition to Application Number	:NA	4)YAMAGUCHI Hitoshi
Filing Date	:NA	5)KOMURA Shinji
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Provided is an engine mount (10) for a power unit (16). The power unit (16) is supported by a support (12) in a vibro-isolating manner via the engine mount (10). The engine mount (10) includes a first mounting bracket (14), a second mounting bracket (18), and a coating film (72). The coating film (72) is applied to at least one of a surface of a first mounting portion (22) and a surface of a second mounting portion (62). The coating film (72) includes a cured-resin base layer made of a phenolic-resin adhesive, and an outer layer made of an epoxy-resin antirust paint and laminated on the cured-resin base layer. A thickness of the cured-resin base layer is 5 \xm or more. A thickness of the outer layer is less than 15 \}j,m. A sum total of the thickness of the cured-resin base layer and the thickness of the outer layer is equal to or more than 15 \,im and equal to or less than 30 \xm.

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: HANDLE FOR PLASTIC BOTTLE

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:B29C49/22 :2012009259 :19/01/2012 :Japan :NA	(71)Name of Applicant: 1)THE COCA-COLA COMPANY Address of Applicant: ONE COCA-COLA PLAZA NW, ATLANTA, GEORGIA 30313, UNITED STATES OF AMERICA. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HIROMASA IWASHITA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

To provide a handle that can ensure the storability to a pocket, etc. of a refrigerator even in a state where it is attached to a bottle, and that in addition can provide stable support even for a bottle whose weight is to be lightened. The handle 30 is provided with a bottom supporting part 32 that receives the bottom of the bottle 1 and supports the bottom portion of the bottle 1, a neck supporting part 34 that mates with the neck 3 of the bottle 1 and supports this, and a gripping part 36 that connects the bottom supporting part 32 and the neck supporting part 34. The neck supporting part 34 has a first engagement part 60 and a second engagement part 62 with which the neck 3 can engage and disengage. The gripping part 36 exists as an extension in the vertical direction in such a manner that it runs along the body 5 of the bottle 1 in the event that the neck 3 is engaged with the first engagement part 60, and exists as an extension that is slanted relative to the vertical direction in such a manner that it draws apart from the bottle 1 in the event that the neck 3 is engaged with the second engagement part 62.

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

(21) Application No.1767/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHODOLOGY FOR INCREASING THE CAPACITY OF FLOW-THROUGH PROCESSES •

 (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 	:62/012,788 :16/06/2014 :U.S.A. :NA :NA : NA : NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In various embodiments, the present invention provides a process for separating target proteins from non-target proteins in a sample comprising increasing the concentration of the target proteins and non-target proteins in the sample and subsequently delivering the concentrated sample to a chromatography device. In other embodiments, the invention relates to a process for increasing the capacity of a chromatography device for a target protein by delivering a concentrated sample comprising the target protein to a chromatography device.

No. of Pages: 17 No. of Claims: 20

(21) Application No.10812/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: PHOTOVOLTAIC POWER GENERATION 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 	:22/06/2012 :WO 2012/176168 :NA	(71)Name of Applicant: 1)MORGAN SOLAR INC. Address of Applicant: 30 Ordnance Street Toronto Ontario M6K 1A2 Canada (72)Name of Inventor: 1)BALACHANDRESWARAN Dhanushan 2)MORGAN John Paul
11	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A photovoltaic (PV) power generation system comprising an array of PV cell modules arranged in strings connected via secondary stage power efficiency optimizers to a central inverter is provided. In at least one of the strings sunlight receiver assemblies (including the PV cells) of the PV cell modules are provided each with a corresponding primary stage or integrated power efficiency optimizer to adjust the output voltage and current of the PV cell. The PV cell modules can but need not include optical concentrators.

No. of Pages: 62 No. of Claims: 20

(22) Date of filing of Application :07/05/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : GAMMA PRIME PRECIPITATION STRENGTHENED NICKEL-BASE SUPERALLOY FOR USE IN POWDER BASED ADDITIVE MANUFACTURING PROCESS

(51) International classification(31) Priority Document No(32) Priority Date	:14170319.9 :28/05/2014	(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant: BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN UNION	BADEN, SWITZERLAND Switzerland (72)Name of Inventor:
(86) International Application No	:NA	1)ETTER, THOMAS
Filing Date	:NA	2)MEIDANI, HOSSEIN
(87) International Publication No	: NA	3)KONTER, MAXIM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The application relates to the technology of producing three-dimensional articles by means of powder-based additive manufacturing, such as selective laser melting (SLM) or electron beam melting (EBM). It refers to a Nickel-base superalloy powder, wherein said superalloy powder has a chemical composition that allows establishing a gamma-prime precipitation content of 60-70 vol.-% in the superalloy in a heat treated condition. It is characterized in that said powder has a powder size distribution between 10 and 100 pm and a spherical morphology and that the ratios of the content (in weight-%) of the alloying elements C, B, Hf, Zr, Si are the following: CIB = 10 - 32; CIHf > 2; CIZr > 8; CISi > 1. A preferred embodiment consists of the following chemical composition (in weight-%): 7.7-8.3 Cr; 5.0-5.25 Co; 2.0-2.1 Mo;7.8-8.3 W; 5.8-6.1 Ta; 4.7-5.1 Al; 1.1-1.4 Ti; 0.08-0.16 C; 0.005-0.008 B; 0-0.04 Hf; O-0.01 Zr; 0-0.08 Si; the remainder being Ni and unavoidable impurities.

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

(21) Application No.1272/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/02/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MANIPULATING GRAPHICAL OBJECTS

 (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 	:06/08/2013 :WO 2014/025831 :NA :NA :NA	(71)Name of Applicant: 1)LUCID SOFTWARE INC. Address of Applicant: 10808 River Front Parkway Suite 600 South Jordan Utah 84098 U.S.A. (72)Name of Inventor: 1)DILTS Benjamin N.
Filing Date	:NA :NA	

(57) Abstract:

In one example a method of connecting graphical objects on a display includes routing a connector that includes a first portion and first and second end terminals between two end points. After routing the connector between the end points the first portion of the connector is associated with a first plane. The method further includes receiving user input that manipulates a location of at least one of the first and second end terminals of the connector. The connector is then routed between the first and second end points by routing the first portion of the connector in the first plane.

No. of Pages: 74 No. of Claims: 23

(19) INDIA

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

(21) Application No.1336/DEL/2015 A

(43) Publication Date: 29/04/2016

(54) Title of the invention: FLANGE FITTING

(51) Intermetional alassification	.E16I	(71) Nome of Applicant
(51) International classification	:F16L	(71)Name of Applicant:
(31) Priority Document No	:1411018.3	1)Spirax-Sarco Limited
(32) Priority Date	:20/06/2014	Address of Applicant : Charlton House, 15 Cirencester Road,
(33) Name of priority country	:U.K.	Cheltenham Glos. GL53 8ER, United Kingdom U.K.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ZANETTACCI, Charles
(87) International Publication No	: NA	2)FARQUHAR, Keith
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

THERE IS DISCLOSED A FLANGE FITTING 20 FOR A PIPE 14 COMPRISING: A FLANGE RING 26 FOR LOCATING AROUND THE PIPE 14 AND HAVING A PLURALITY OF ANGULARLY SPACED FIXING HOLES 30; AND A RETAINING RING 22 FOR LOCATING AROUND THE PIPE 14 WITHIN A GROOVE 16 IN THE OUTER SURFACE THEREOF WHICH IN USE RESTRICTS AXIAL MOVEMENT OF THE FLANGE RING 26 ON THE PIPE 14; WHEREIN THE RETAINING RING 22 HAS A PLURALITY OF ANGULARLY SPACED REDUCED-PROFILE SECTORS 34 IN REGIONS CORRESPONDING TO THE POSITIONS OF THE FIXING HOLES 30.

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

(22) Date of filing of Application :15/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SUSPENSION ARM FOR SURGICAL MICROSCOPE AND SURGICAL MICROSCOPE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:G02B7/00 :201410306354.9 :30/06/2014 :China :NA	Address of Applicant :Goeschwitzer Str. 51-52, 07745 Jena, Germany Germany (72)Name of Inventor :
Filing Date (87) International Publication No	:NA :NA	1)Shuanghu Zhang 2)Frank Koenig
(61) Patent of Addition to Application NumberFiling Date(62) Divisional to Application NumberFiling Date	:NA :NA :NA :NA	

(57) Abstract:

The present invention relates to a suspension arm for a surgical microscope, and the surgical microscope. The suspension arm for a surgical microscope, comprising a four-link mechanism formed by sequentially articulating a pivot end link, an upper support lever, a fixed end link, and a lower support lever, wherein the pivot end link is connected with a microscope head; the upper support lever and the lower support lever extend in parallel to each other in a longitudinal direction of the suspension arm; the fixed end link is fixed to a frame of the surgical microscope so that the suspension arm is pivotable up and down in a vertical plane; the suspension arm further comprises a first limit element and a second limit element disposed on at least one of the upper support lever and the lower support lever and configured in such a manner that as the suspension arm pivots downward to move the upper support lever and the lower support lever relative to each other in the longitudinal direction, a distance between the first limit element and second limit element in the longitudinal direction is decreased until they are in abutting contact with each other, wherein at least one of the first limit element and the second limit element is adjustable to vary the distance therebetween.

No. of Pages: 15 No. of Claims: 11

(21) Application No.10499/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: MOUNTING SYSTEM AND METHOD FOR MOUNTING A CURVED PANEL TO A FRAME

(51) International classification :H01L31/042,F24J2/52,F16M11/00

(31) Priority Document No :61/494209 (32) Priority Date :07/06/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/041416

Filing Date :07/06/2012

(87) International Publication :WO 2012/170730

(61) Patent of Addition to Application Number :NA

Application Number :NA Filing Date :NA (62) Divisional to Application

(62) Divisional to Application Number :NA Filing Date :NA

Tilling Date

(71)Name of Applicant:

1)GOSSAMER SPACE FRAMES

Address of Applicant :5622 Research Drive Huntington Beach

CA 92649 U.S.A.

(72)Name of Inventor: 1)REYNOLDS Glenn A.

2)HACKBARTH Dean R.

Embodiments of to a mounting system and method for mounting curved panel to a frame are generally described herein. Other embodiments may be described and claimed.

No. of Pages: 36 No. of Claims: 24

⁽⁵⁷⁾ Abstract:

(22) Date of filing of Application :16/12/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE AND METHOD FOR THE SEPARATE METERING OF SOLID BODY PORTIONS

Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	:30/06/2014 :WO 2015/000861 :NA :NA	(71)Name of Applicant: 1)BALDA MEDICAL GMBH & CO. KG Address of Applicant:Bergkirchener Strae 228 32549 Bad Oeynhausen Germany (72)Name of Inventor: 1)REINHOLD Thomas Sowden 2)SAWITZKI Philipp
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(57) Abstract:

The invention relates to a device 100 and method for the separate metering of solid-body portions F, for the safe and monitored discharge of solid-body portions F, in particular mini or micro tablets or globules. The device comprises at least two components, a dividing device 300 and a separating device 200 which can be rotated with respect to the dividing device 300. The separating device 200 has an inner region and, on the inner side thereof, at least one Chamber 230 to receive a respective solid-body portion F, so that, during the rotation of the separating device 200 with respect to the dividing device 300, the at least one Chamber 230 can be moved in a movement direction D and on a movement path B through the tili S. As a result, a respective solid-body portion F can be received in the at least one Chamber 230. The dividing device 300 also has a separating unit 380, which extends parallel to a section of the movement path B of the at least one Chamber 230 as far as an area above the tili S, such that the at least one Chamber 230 on the path section can be closed by the separating unit 380. As a result, solid-body portions F contain therein are prevented from o falling out. In the movement direction D, the path section is adjoined by a transfer path 390 for receiving a respective solid-body portion F falling out of the Chambers 230 and for guiding the solid-body portion F received out of the interior.

No. of Pages: 69 No. of Claims: 13

SYNDROME VIRUS (WSSV)

(19) INDIA

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: NOVEL PRIMERS AND A HIGH THROUGHPUT REAL-TIME ASSAY FOR WHITE SPOT

:C12Q	(71)Name of Applicant:
:NA	1)DEPARTMENT OF BIOTECHNOLOGY
:NA	Address of Applicant :Block-2, 6-8th floor C.G.O. Complex
:NA	Lodi Road, New Delhi-110003, India Delhi India
:NA	2)CENTRAL INSTITUTE OF FISHERIES EDUCATION
:NA	(CIFE)
: NA	(72)Name of Inventor:
:NA	1)K.V. RAJENDRAN
:NA	2)M. MAKESH
:NA	3)APARNA CHAUDHARI
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

The present invention is related to novel primers for detecting and quantifying white spot syndrome virus (WSSV) in shrimp and other crustaceans targeting a specific sequence of WSSV associated with latency as well as early infection. The primers and probe of the present invention are targeted against specific, conserved region of WSSV genome that can detect latent and early infection of WSSV at an early stage in the samples.

No. of Pages: 49 No. of Claims: 12

(21) Application No.1725/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CONTAINER COVER WITH POUR SPOUT AND SPOON

(51) International classification	:B65D5/74	(71)Name of Applicant:
(31) Priority Document No	:14/325,342	1)DART INDUSTRIES INC.
(32) Priority Date	:07/07/2014	Address of Applicant:14901 S. Orange Blossom Trail,
(33) Name of priority country	:U.S.A.	Orlando, Florida 32837, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAKOB HEIBERG
(87) International Publication 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 container cover with pour spout and spoon. The cover includes a rim, and a top wall within the rim. An aperture extends through the top wall. A slider is mounted to the top wall and moves between an open and a closed position. In the open position the aperture may be used as a pour spout. The slider may be removed to use as a spoon within the aperture.

No. of Pages: 13 No. of Claims: 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1799/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ELEVATOR

(51) International classification	:B64G1/42	(71)Name of Applicant:
(31) Priority Document No	:2014- 129800	1)Hitachi, Ltd. Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:25/06/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NOGUCHI Naoaki
Filing Date	:NA	2)INOUE Shinsuke
(87) International Publication No	: NA	3)NOZAWA Yuki
(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 elevator which can decrease the number of components by allowing the counterweight to use a sharable part of the rail with the car and reducing the rail for the counterweight and can have high reliability with comparative ease. An elevator of the present invention includes a car 3 ascending and descending in a shaft, a counterweight 4 ascending and descending in the shaft, a rope 2 for hanging the car 3 and the counterweight 4, a drive device 1 for driving the car 3 and the counterweight 4, and a car rail 9 for guiding the car 3. The car 3 is configured to travel a distance twice as long as the counterweight 4 travels. The counterweight 4 is configured to travel along a portion of the car rail 9.

No. of Pages: 31 No. of Claims: 7

(22) Date of filing of Application :06/06/2014

(43) Publication Date: 29/04/2016

(54) Title of the invention : AN IMPROVED OXIDANT AND SOLVENT FREE ONE-STEP SYNTHESIS OF 5-OXO CHROMENO PYRIDINE DERIVATIVES \bullet

(51) International classification	:A61P25/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(32) Priority Date	:NA	EDUCATION AND RESEARCH (NIPER)
(33) Name of priority country	:NA	Address of Applicant :Sector-67, S.A.S Nagar, Mohali,
(86) International Application No	:NA	Punjab-160062, India Punjab India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Asit Kumar Chakraborti
(61) Patent of Addition to Application Number	:NA	2)Naisargee Parikh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to the field of chemical science. Specifically, this invention provides a one-step efficient and greener process for selective synthesis of 5-oxo chromeno pyridine scaffolds under oxidant and solvent free milder reaction condition. The present process provides product with high yield and purity.

No. of Pages: 17 No. of Claims: 16

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : EXHAUST GAS LINER FOR A GAS TURBINE AND GAS TURBINE WITH SUCH AN EXHAUST GAS LINER

(51) International classification (31) Priority Document No (32) Priority Date	:F23R :14173014.3 :18/06/2014 :EUROPEAN	(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant: BROWN BOVERI STRASSE 7, 5400 BADEN,SWITZERLAND Swaziland
(33) Name of priority country(86) International Application No	UNION :NA	(72)Name of Inventor: 1)MIHALIC, IGOR
Filing Date	:NA	2)MIHELIC, MIRJANA
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	3)MATAN, MLADEN 4)MILANKOVIC,PEDJA
Filing Date (62) Divisional to Application Number	:NA :NA	5)PACHOLLECK, JUERGEN 6)KREUTLE,CHRISTIAN JOERG
Filing Date	:NA	

(57) Abstract:

An exhaust gas liner (18) for a gas turbine comprises an annular inner shell (21) and an annular outer shell (19), which are arranged concentrically around a machine axis of said gas turbine to define an annular exhaust gas channel in between, whereby said inner shell (21) and/or said outer shell (19) are composed of a plurality of liner segments (22, 23; 26, 27; 28), which are attached to a support structure. To compensate thermal expansion and achieving resistance against dynamic loads said liner segments (22, 23; 26, 27; 28) are fixed to said support structure at certain fixation spots (29a-c; 30a-c), which are distributed over the area of said liner segments (22, 23; 26, 27; 28), such that said liner segments (22, 23; 26, 27; 28) are clamped to said support structure through a whole engine thermal cycle without hindering thermal expansion. (Figure 2)

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

(22) Date of filing of Application :03/03/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: MICROMACHINED ELECTROLYTE SHEET COMPRISING LITHIUM METAL PHOSPHATES

(51) International classification :H01M10/0562,H (31) Priority Document No :13/249935 (32) Priority Date :30/09/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/057681

Filing Date :28/09/2012 (87) International Publication No :WO 2013/049430

(61) Patent of Addition to Application
Number

NA

Filing Date
(62) Divisional to Application Number :NA
Filing Date :NA

:H01M10/0562,H01M2/14 (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)BADDING Michael E
2)DUTTA Indrajit

3)KESTER Lanrik Wayne

4)LI Xinghua

(57) Abstract:

The disclosure relates to ceramic lithium ion electrolyte membranes and processes for forming them. The ceramic lithium electrolyte membrane may comprise at least one ablative edge. Exemplary processes for forming the ceramic lithium ion electrolyte membranes comprise fabricating a lithium ion electrolyte sheet and cutting at least one edge of the fabricated electrolyte sheet with an ablative laser.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1807/DEL/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: APPARATUS AND METHOD FOR THERMALLY TREATING AN ANNULAR REGION OF AN INNER SURFACE OF A GLASS CONTAINER PRODUCED FROM A BOROSILICATE GLASS TUBE

:C03B27/06	(71)Name of Applicant:
:10 2014	1)Schott AG
214 083.8	Address of Applicant :Hattenbergstrae 10, 55122 Mainz (DE)
:18/07/2014	Germany
:Germany	(72)Name of Inventor:
:NA	1)FROST, Robert
:NA	2)HASELHORST, Georg
: NA	
:NA	
:NA	
:NA	
:NA	
	:10 2014 214 083.8 :18/07/2014 :Germany :NA :NA : NA : NA :NA

(57) Abstract:

The present invention relates to a method for thermally treating an annular region (23) of an inner surface (14) of a glass container (10) produced from a borosilicate glass tube, wherein the annular region (23) is disposed at a tubular portion (12) of the glass container (10) and is disposed adjacent to a glass container bottom (16), comprising the steps of: - forming the glass container bottom (16) from the glass tube; - heating the annular region (23) of the inner surface (14) of the tubu-lar portion (12) to a treatment temperature TBeh above the transfor-mation temperature TG, wherein the annular region is adjacent to the glass container bottom (16); - maintaining the treatment temperature TBeh for a certain time period; and - cooling the glass container (10) to room temperature. In addition, the invention relates to a bottom side machine for a glass processing apparatus (30) for producing glass containers (10) from a borosilicate glass tube comprising one or more holding units (36) for holding the glass container (10) or the glass tube, wherein the holding units (36) are mounted rotatably about a rotational axis (R) of the bottom side machine (32) in order to carry the glass container (10) or the glass tube to a number of primary processing stations (40), wherein at least at one of the primary processing stations (40) a separating means (48) for separating the glass container (10) from the tube glass is arranged, wherein the bottom side machine (32) comprises one or more further processing stations (42) for thermally treating an annular region (23) of an inner surface (14) of the glass container (10), wherein said holding units (16) are configured such that they also carry the glass container (10) or the glass tube to the further processing stations (42).

No. of Pages: 43 No. of Claims: 27

(21) Application No.1280/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SPINNING MACHINE AND SPINNING METHOD

(51) International classification	:D01H	(71)Name of Applicant:
(21) Driggity: De gymant No	:2014-	1)Murata Machinery, Ltd.
(31) Priority Document No	108289	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:26/05/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AKIMOTO Masahiro
Filing Date	:NA	2)OKA Masaki
(87) International Publication 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 spinning unit (2) includes a draft device (6) adapted to draft a fiber bundle (F), a pneumatic spinning device (7) arranged movable between a spinning position and a receded position that is located further away from the draft device (6) than the spinning position, and adapted to produce a yarn (Y) at the spinning position by applying twists to the drafted fiber bundle (F) by injecting air to a spinning chamber (73), and an injecting device (14) adapted to inject air to a region (C) between the draft device (6) and the pneumatic spinning device (7). The injecting device (14) injects the air after the pneumatic spinning device (7) starts moving from the spinning position to the receded position.

No. of Pages: 33 No. of Claims: 8

(21) Application No.1281/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :07/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SPINNING MACHINE, SPINNING METHOD, AND SPUN YARN

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Murata Machinery, Ltd.
(31) Thority Document No	122176	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:13/06/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AKIMOTO Masahiro
Filing Date	:NA	2)SAWADA Harutoshi
(87) International Publication 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 spinning machine (1) includes a core yarn supplying device (40) adapted to supply a core yarn (C); a draft device (6) adapted to supply a fiber bundle (F); a pneumatic spinning device (7) adapted to produce a spun yarn (Y) by applying twists to the fiber bundle (F) with the core yarn (C) as a core; a tension sensor (9) adapted to detect tension applied to the spun yarn (Y) produced by the pneumatic spinning device (7); and a monitoring section (71) adapted to monitor a yarn quality of the spun yarn (Y) in accordance with a quality monitor reference range for monitoring the yarn quality of the spun yarn (Y) and a detection result of the tension sensor (9).

No. of Pages: 38 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1811/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LOW POWER CONSUMPTION MEMORY DEVICE

 (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 	:103126224 :31/07/2014 :Taiwan :NA :NA : NA :NA	, ,
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A memory device includes a plurality of memory modules and a plurality of control lines. Each memory module includes a plurality of memory units. Each memory unit includes: a plurality of memory cell groups, each of which includes at least one memory cell; a plurality of first bit lines, each of which is coupled to the at least one memory cell of a respective memory cell group; a second bit line; and a plurality of controllable circuits, each of which has an input terminal coupled to a respective first bit line, an output terminal coupled to the second bit line, and a control terminal. Each control line is coupled to the control terminal of a corresponding controllable circuit of each of at least one memory unit of each memory module. The memory device consumes relatively small power.

No. of Pages: 41 No. of Claims: 16

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PASTEURIZATION SYSTEM WITH PURIFICATION OF THE PROCESS LIQUID

(51) International classification	·A23L3/015	(71)Name of Applicant :
(31) Priority Document No	:10 2014 108 798.4	1)Krones AG Address of Applicant :Boehmerwaldstrasse 5, 93073
(32) Priority Date		Neutraubling, Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Jan MUENZER
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Pasteurization system with purification of the process liquid, with a feed and evacuation con-veyor system for containers; at least one treatment zone with sprinkling nozzles to spray the containers with a process liquid such as water, whereby the treatment zone comprises a screening unit with a sedimentation area for the deposition of sediment from the process liquid; with a closed-loop circuit to re-use the process liquid; with devices to remove the se-diment from the sedimentation area for each zone and to feed the sediment into a central filter unit; whereby the central filter unit comprises at least one filter module for the filtration of solid matter from the inputted sediment so that the filtered process liquid is conserved; and with devices to return the filtered process liquid to one or several treatment zones.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LATCH WITH SPRING FOR BELL CRANK LEVER

 (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 	:F16L :62/006,018 :30/05/2014 :U.S.A. :NA :NA	
 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:NA :NA :NA :NA	3)RICE, John R.

(57) Abstract:

A latch having: a fork bolt; a detent lever; and a bell crank lever, wherein the bell crank lever moves the detent lever from a latched position to a released position as the bell crank lever moves from a first position to a second position; and an over center spring secured to the bell crank lever at one end and a portion of a housing of the latch at another end, wherein the over center spring is configured to provide a biasing force to the bell crank lever in a first direction towards first position when the bell crank lever is in the first position and the over center spring is configured to provide a biasing force to the bell crank lever in a second direction towards the second position when the bell crank lever is in the second position.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AIR JET SPINNING MACHINE AND METHOD FOR OPERATING IT

(51) International classification	:D01H13/00	(71)Name of Applicant:
(31) Priority Document No	:00888/14	1)Maschinenfabrik Rieter AG
(32) Priority Date	:12/06/2014	Address of Applicant :Klosterstrasse 20, 8406 Winterthur,
(33) Name of priority country	:Switzerland	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Andreas Fischer
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention refers to a method to operate an air jet spinning machine, in which the air jet spinning machine has at least one spinning unit with a spinning nozzle (2) for manufacturing yarn (6), in which a fiber strand (3) is fed to the spinning nozzle (2) through an inlet (4) during the operation of the spinning unit, in which the fiber strand (3) is imparted a twist inside a vortex chamber (5) of the spinning nozzle (2) by means of a swirled air current, so that a yarn (6) is formed from the fiber strand (3) that finally leaves the spinning nozzle (2) through an outlet (7), and in which an additive (9) is added with the help of an additive dispenser (8), at least temporarily, to the spinning unit while the air jet spinning machine is operating and applied on the fiber strand (3) or on sections of the spinning nozzle and/or the yarn (6). According to the invention, it is suggested that the at least one physical parameter of the yarn (6) leaving the outlet (7) is monitored with the help of a sensor system (11) wherein, based on at least one measured value supplied by the sensor system (11) correlated with the above-mentioned parameter, it is determined whether and/or how much additive (9) was applied on the fiber strand (3) or the yarn (6) manufactured from this that passed through the sensor system (11). In addition, an air jet spinning machine to execute the method is suggested.

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

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR OPERATING A CONTROL DEVICE OF A HOME AUTOMATION INSTALLATION OF A BUILDING AND CONTROL DEVICE

 (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 	:H04L12/28 :FR1455713 :20/06/2014 :France :NA :NA :NA :NA :NA	7
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(57) Abstract:

A method for operating a control device of a home automation installation of a building, the control device comprising a data input device and a display device, the control device being configured so as to control the operation of home automation equipment items and communicate with sensors, the method 10 comprising at least the following automatic operation configuration steps: selection of an icon representing a first condition for implementation of an action relating to the installation out of a proposed set of condition icons, positioning of the first selected condition in a matrix table accommodating the condition icons, 15 - selection of an icon representing a second condition for implementation of an action relating to the installation, positioning of the icon representing the second condition on a same row or a same column as the icon representing the first condition in the matrix table.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1821/DEL/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: SPINNING MACHINE AND SPINNING METHOD

(51) International classification	:D01H13/14	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Murata Machinery, Ltd.
(31) Thority Document No	141879	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:10/07/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MORI Hideshige
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

TO PROVIDE A STRUCTURE THAT PREVENTS FIBERS FROM GETTING CLOGGED IN A PNEUMATIC SPINNING DEVICE DURING A YARN DISCHARGE SPINNING IN A DELIVERY ROLLER-LESS SPINNING MACHINE. [SOLUTION] A SPINNING MACHINE INCLUDES A PNEUMATIC SPINNING DEVICE AND A YARN ACCUMULATING DEVICE. THE PNEUMATIC SPINNING DEVICE INCLUDES A NOZZLE BLOCK AND A HOLLOW GUIDE SHAFT BODY, THE NOZZLE BLOCK INCLUDING A FIRST NOZZLE ADAPTED TO GENERATE WHIRLING AIRFLOW IN A SPINNING CHAMBER, AND THE HOLLOW GUIDE SHAFT BODY ARRANGED DOWNSTREAM OF THE NOZZLE BLOCK IN A FIBER TRAVELLING DIRECTION AND INCLUDING A SECOND NOZZLE ADAPTED TO GENERATE WHIRLING AIRFLOW FOR SUCKING A FIBER BUNDLE WHIRLED IN THE SPINNING CHAMBER. A YARN ACCUMULATING DEVICE ACCUMULATES A YARN PRODUCED BY THE PNEUMATIC SPINNING DEVICE WHILE PULLING OUT THE YARN. THE WHIRLING AIRFLOW IS GENERATED FROM THE FIRST NOZZLE AND THE SECOND NOZZLE AT LEAST AT AN INSTANCE WHEN THE YARN STARTS BEING WOUND AROUND THE YARN ACCUMULATING DEVICE DURING THE YARN DISCHARGE SPINNING.

No. of Pages: 37 No. of Claims: 8

(21) Application No.1685/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AUTOMATIC WINDER AND YARN WINDING METHOD

(51) International classification	:B65H67/04	(71)Name of Applicant:
(31) Priority Document No	:2014- 122820	1)Murata Machinery, Ltd. Address of Applicant :3, Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:13/06/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAKAGAWA Takashi
Filing Date	:NA	2)HIDAKA Ichiro
(87) International Publication 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 automatic winder (1) includes a plurality of tray-type winding devices (3) arranged in a left-5 right direction and two magazine-type winding devices (4) arranged in the left-right direction with the plurality of tray-type winding devices (3), as a winding device adapted to wind a yarn unwound from a yarn supplying bobbin to form 10 a package. For example, a yarn supplying bobbin, in which the yarn cannot be unwound normally in the tray-type winding device (3), is set in a magazine device of the magazine-type winding device (4), and the yarn is unwound from the relevant yarn supplying bobbin to form a package in the 15 magazine-type winding device (4).

No. of Pages: 80 No. of Claims: 17

(21) Application No.1686/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CORE YARN SUPPLYING UNIT AND SPINNING MACHINE

(51) International classification	·B65H69/06	(71)Name of Applicant:
(31) Priority Document No	:2014- 122199	1)Murata Machinery, Ltd. Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date		Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIOTA Takeshi
Filing Date	:NA	2)SAWADA Harutoshi
(87) International Publication No	: NA	3)YAMADA Shuji
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A core yarn supplying unit (50) includes a tension applying section (60); a slack applying section (70); a core yarn feeding section (90); a relay board (84) electr5 ically connected to each of the tension applying section (60), the slack applying section (70), and the core yarn feeding section (90); and a unit base (51) adapted to support the tension applying section (60), the slack applying section 10 (70), and the core yarn feeding section (90), as well as the relay board (84).

No. of Pages: 59 No. of Claims: 12

(22) Date of filing of Application :05/06/2013

(43) Publication Date: 29/04/2016

(54) Title of the invention : THROTTLE VALVE FOR AN INTERNAL COMBUSTION ENGINE PROVIDED WITH A METAL VALVE SEAT OVERMOULDED INSIDE A VALVE BODY MADE OF A PLASTIC MATERIAL

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:F02D9/00 :BO2012A000312 :06/06/2012 :Italy :NA	(71)Name of Applicant: 1)MAGNETI MARELLI S.P.A. Address of Applicant: CORBETTA VIALE ALDO BORLETTI, 61/63, ITALY Italy (72)Name of Inventor:
Filing Date	:NA	1)MARCELLO COLLI
(87) International Publication No	: NA	2)SALVATORE VUTERA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A throttle valve (1) for an internal combustion engine; the throttle valve (1) has: a valve body (2); a tubular feeding duct (4); a throttle plate (5), arranged inside the feeding duct (4) and is splined to a shaft (6), which is mounted in a rotatory manner; an annular-shaped inner body (17), which is made of a first material, defines a central portion of the feeding duct (4), and is arranged at the shaft (6), so that, in a position of closure, the outer edge of the throttle plate (5) is close to an inner surface (18) of the inner body (17); and an outer body (19), which is made of a second material different from the first material, incorporates inside the inner body (17) leaving the inner surface (18) of the inner body (17) visible, and makes up the remaining part of the feeding duct (4) on opposite sides of the inner body (17). Main figure: figure 3

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

(21) Application No.1764/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: IMPROVED STRUCTURE OF CONVEYOR DRIVING FABRIC DYEING MACHINE

(51) Intermedia not allowification	.D.41E22/04	(71) Name of Amelianna
(51) International classification	:B41F23/04	(71)Name of Applicant:
(31) Priority Document No	:201420313975.5	1)CHANG,CHI-LUNG
(32) Priority Date	:12/06/2014	Address of Applicant :5F., NO. 89, MINSHENG
(33) Name of priority country	:China	RD.,TAOYUAN DIST.,TAOYUAM CITY, TIWAN Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CHANG,CHI-LUNG
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides an improved structure of a conveyor driving fabric dyeing machine. A liquid storage tank is provided in the interior of the machine body, at a rear end or a front end thereof, to be concealed inside the machine body or exposed outside the machine body in order to receive dye liquid falling back from a rear end of a dyeing tube to thereby greatly reduce the amount of the dye liquid used. Further, a heat exchanger or a filter may be additionally and individually arranged inside the liquid storage tank, or alternatively, a heat exchanger and a filter are simultaneously arranged in the liquid storage tank to proceed with heat exchange with the dye liquid thereby simplifying the structure of the dyeing machine.

No. of Pages: 23 No. of Claims: 7

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TRAILING EDGE DETECTOR USING CURRENT COLLAPSE

(51) International classification	:H05B37/00	(71)Name of Applicant:
(31) Priority Document No	:14/322,760	1)Power Integrations, Inc.
(32) Priority Date	:02/07/2014	Address of Applicant :5245 Hellyer Avenue, San Jose, CA
(33) Name of priority country	:U.S.A.	95138, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Mingming Mao
(87) International Publication No	: NA	2)Tiziano Pastore
(61) Patent of Addition to Application Number	:NA	3)Ricardo Luis Janezic Pregitzer
Filing Date	:NA	4)Michael Yue Zhang
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A controller for a power converter compares a voltage sense signal to a first reference and compares a current sense signal to a current sense signal. The voltage sense signal is 5 representative of an input voltage of the power converter. The current sense signal is representative of a current through the power converter. A slope of the voltage sense signal is measured over time. An edge detection is asserted by the controller when (1) the voltage sense signal is larger than the first reference, (2) the current sense signal is lower than the second reference, and (3) the slope is a negative slope.

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

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WALK TRAINING APPARATUS AND WALK TRAINING METHOD THEREOF

(51) International classification	:A63B	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(0 -) <u> </u>	109470	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(32) Priority Date	:27/05/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIMADA Hiroshi
Filing Date	:NA	2)IMAIDA Masayuki
(87) International Publication No	: NA	3)KONOSU Hitoshi
(61) Patent of Addition to Application Number	:NA	4)FUJIKAKE Yoshinori
Filing Date	:NA	5)SAITOH Eiichi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A walk training apparatus (1) includes a walking assist device (2), a first tensile portion, and a second tensile portion. The walking assist device (2) is configured to be attached to a leg of a user so as to assist the user in walking. The first tensile portion pulls at least one of the walking assist device (2) and the leg of the user toward a vertically upper side and toward a front side. The second tensile portion pulls at least one of the walking assist device (2) and the leg of the user toward the vertically upper side and toward a rear side. REFER TO FIG. 1

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

(21) Application No.1490/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ROTATIONAL DRIVING DEVICE

 (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 	:B25B :103118624 :28/05/2014 :Taiwan :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)HSU, YI-PING Address of Applicant: NO. 80, HEYI ST., CIANJHEN DIST., KAOHSIUNG CITY, POSTAL CODE: 806, TAIWAN Taiwan 2)HSU, CHIA-MING 3)HSU, TING-CHEN 4)HSU CHU, YU-LIEN (72)Name of Inventor: 1)HSU, YI-PING 2)HSU, CHIA-MING 3)HSU, TING-CHEN 4)HSU CHU, YU-LIEN
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(57) Abstract:

A rotational driving device (1) for driving a rotating shaft (21) includes an annular frame (11), a magnetic pendulum unit (12), a plurality of electromagnetic units (13) and a plurality of control units (14). The magnetic pendulum unit (12) is rotatable about a center (112) of the annular frame (11) through which a rotating shaft (21) extends and is connected co-rotatably to the rotating shaft (21). The electromagnetic units (13) and the control units (14) are alternatively and equiangularly arranged along a circumference of the annular frame (11). The control units (14) are configured to turn on and off the respective electromagnetic units (13) to generate a magnetic force between the magnetic pendulum unit (12) and the respective electromagnetic units (13) for facilitating rotation of the magnetic pendulum unit (12) and allow the magnetic pendulum unit (12) to pass by the respective electromagnetic units (13), respectively. (FIG. 1)

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

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: VARIABLE CAPACITANCE TYPE CAPACITOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:Japan :NA	(71)Name of Applicant: 1)WACOM CO., LTD. Address of Applicant: 2-510-1 TOYONODAI, KAZO-SHI, SAITAMA 349-1148, JAPAN Japan (72)Name of Inventor: 1)MASAYUKI OBATA
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A variable capacitance type capacitor includes an inside member and an outside member including a space for housing the inside member. The inside member has a columnar shape, and a first conductor pattern is formed on a circumferential surface thereof. The outside member has a predetermined dielectric constant, and a second conductor pattern is formed on an outer circumferential surface thereof so as to oppose the first conductor pattern formed on the inside member. The inside member housed in the space of the outside member is displaced relative to the outside member in a direction of a central axis of the inside member in response to an externally applied force, and an opposed area between the first conductor pattern and the second conductor pattern changes to thereby form a capacitance corresponding to the externally applied force between the first electrode and the second electrode.

No. of Pages: 69 No. of Claims: 17

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : APPARATUS AND METHOD FOR THE PREPARATION AND STERILIZATION OF VISCOUS PRODUCTS CONTAINING TEMPERATURE SENSITIVE COMPOUNDS

 (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 	:A61L2/07 :14306004.4 :25/06/2014 :EPO :NA :NA : NA :NA	(71)Name of Applicant: 1)SPX Apv Danmark A/S Address of Applicant: Pasteursvej 1, DK-8600 Silkeborg (DK) Denmark (72)Name of Inventor: 1)MARES, Philippe 2)COELHO, Gil
• •		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to an apparatus for the preparation and sterilization of a viscous fluid (10) containing a temperature sensitive compound (11) diluted into a viscous matrix (12), characterized in that it comprises: - a heat treatment unit (15), fed with the viscous matrix (12), wherein the viscous matrix (12) is sterilized, - a mixing unit (17), fed with the sterilized viscous matrix (12) and the sterile temperature sensitive compound (11), wherein the temperature sensitive compound (11) is incorporated into the sterilized viscous matrix (12) to form the viscous fluid (10).

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: INTEGRATED EXHAUST GAS MANAGEMENT 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 (82) Divisional to Application Number SN. (83) International Publication No SN. (84) Patent of Addition to Application Number SN. (85) Divisional to Application Number SN.	:F01N5/02 :EP14382216.1 :10/06/2014 :EPO :NA
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(57) Abstract:

The present invention relates to a device for managing gases suitable for being installed at the outlet of a particle filter or a catalytic converter. This device is characterized by a very compact configuration combining at least the heat exchanger for an EGR (Exhaust Gas Recirculation) system, particularly suitable for a low-pressure system, and an exhaust gas outlet pipe with a special configuration that is part of the exhaust line. The exhaust outlet incorporates a valve that allows using the heat exchanger of the EGR system as a heat recovery unit.

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

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: POWER CONVERSION DEVICE, DRIVING DEVICE AND DRIVING METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:NA	(71)Name of Applicant: 1)DELTA ELECTRONICS (SHANGHAI) CO., LTD Address of Applicant:1F&7F&8F, Building 1,No.1675 Huadong Road, Pudong, Shanghai, 201209, China, P.R.C. China (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA	1)Hong-Jian GAN 2)Ming WANG 3)Jian-Ping YING
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A driving device includes a driving primary circuit, an isolating transforming circuit, and at least one driving secondary circuit. The isolating transforming circuit is coupled to the driving primary circuit. The at least one driving secondary circuit is coupled to the isolating transforming circuit. The driving primary circuit receives a control signal and a power signal. The driving primary circuit generates a driving pulse signal according to the control signal and generates a power pulse signal according to the power signal. The driving primary circuit transmits the driving pulse signal and the power pulse signal to the at least one driving secondary circuit through the isolating transforming circuit. The at least one driving secondary circuit receives the driving pulse signal so as to generate a driving signal, and the at least one driving secondary circuit drives a power semiconductor switch unit according to the driving signal.

No. of Pages: 57 No. of Claims: 16

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: CONTROL ARRANGEMENT OF AN EXHAUST-GAS TURBOCHARGER

(51) International classification(31) Priority Document No(32) Priority Date	:F01D25/16 :102014212581.2 :30/06/2014	Address of Applicant :Patent Department, 3850 Hamlin Road,
(33) Name of priority country (86) International Application No	:Germany :NA	Auburn Hills, Michigan 48326 (US) U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)Niedens, Johann
(87) International Publication No	: NA	2)Dietrich, Ingo
(61) Patent of Addition to Application Number		
Filing Date (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a control arrangement (9) of an exhaust-gas turbocharger (1), having a regulating unit (4) which has a regulating rod (5), and having a guide piece (6) which is connected to a free end region (8) of the regulating rod (5), wherein the free end region (8) is connected to the guide piece (6) by way of a spring clip (10) which engages around the free end region (8) and which is clamped to the guide piece (6).

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

(22) Date of filing of Application :26/06/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR THE DETECTION OF PULSED LASER RADIATION AND IMAGING LASER ALERTER

 (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 	:G01V5/00 :12005053.9 :07/07/2012 :EUROPEAN UNION :NA :NA :NA	(71)Name of Applicant: 1)EADS DEUTSCHLAND GMBH Address of Applicant: WILLY-MESSERSCHMITT- STRASSE 1, 85521 OTTOBRUNN, GERMANY Germany (72)Name of Inventor: 1)SCHERBARTH, STEFAN 2)RUDOW, OLIVER
(87) International Publication No	: NA	2)RUDOW, OLIVER
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

Method for the detection of pulsed laser radiation (10) having two-dimensional resolution of the direction of incidence, characterized in that a CCD sensor (1) having an imaging optic (2) is used for the detection, in a first signal processing (4) having a sampling frequency of at least 5 kHz, single images are generated, by comparing each pixel of the CCD sensor (1) to a threshold value and by storing the pixel value for further processing only if it exceeds the respective threshold value, in the first signal processing (4), the mean value or peak value of these stored pixel values of a single image is ascertained pixel-by-pixel over at least 10 samples, the signal image thus obtained in the first signal processing (4) is provided at an image frequency of 10 Hz to 500 Hz to a further image processing (5), in the further image processing (5), signal pixel(s), which represent(s) the incident laser radiation, is/are identified from the signal image, wherein the direction of incidence of the laser radiation results from the position of the signal pixels on the signal image.

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

(21) Application No.1711/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :08/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: WORKING MACHINE JOYSTICK ASSEMBLY

 (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 	:B60N2/46 :1410893.0 :18/06/2014 :U.K. :NA :NA	1)J.C. BAMFORD EXCAVATORS LIMITED Address of Applicant :Lakeside Works, Rocester, Uttoxeter, Staffordshire, ST14 5JP, United Kingdom U.K. (72)Name of Inventor: 1)COOKE, Rebecca Louise
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)COOKE, Rebecca Louise 2)HILL, Edward James
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A working machine joystick assembly comprising: a joystick arranged to control one or more functions of a working machine; and a mechanical linkage assembly configured to operatively connect the joystick to spool valves to control the one or more functions; wherein the joystick comprises at least two axes of movement, one axis being a twist axis, each axis of movement being configured to mechanically actuate a separate spool valve through the mechanical linkage assembly.

No. of Pages: 42 No. of Claims: 27

(22) Date of filing of Application :08/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A VEHICLE

 (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 	:B60T8/172 :1411302.1 :25/06/2014 :U.K. :NA :NA :NA :NA :NA :NA	
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(57) Abstract:

A method of automatically orientating a materials handling vehicle to a desired angle, the method including providing the vehicle with ground engaging transport means operably connected to a chassis of the vehicle, providing a first stabiliser towards a right hand side of the vehicle, the first stabiliser being selectively engageable with the ground to lift a right hand side of the chassis, providing a second stabiliser towards a left hand side of the vehicle, the second stabiliser being selectably engageable with ground to lift the left hand side of the chassis, providing a controller to control operation of the first and second stabilisers in response to an operator input, the method including the steps of positioning the vehicle on ground with the first and second stabilisers being disengaged from the ground such that the chassis is at an initial roll angle, providing a desired roll angle, providing an operator input to the controller requiring deployment of the stabilisers such that the controller simultaneously deploys the first and second stabilisers, wherein upon detection of a change in roll angle away from the desired roll angle caused by engagement of one of the stabilisers with the ground, the controller automatically stops deployment of said one of the stabilisers and continues deployment of the other of the stabilisers until the desired roll angle is achieved.

No. of Pages: 20 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1783/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : COMPOSITE COMPRISING A MATRIX MATERIAL MADE OF AN AMORPHOUS POLYAMIDE AND USE THEREOF •

 (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 	:C04B41/81 :EP 14 173 332.9 :20/06/2014 :EUROPEAN UNION :NA :NA :NA	(71)Name of Applicant: 1)EMS-PATENT AG Address of Applicant: Via Innovativa 1, CH-7013 Domat/Ems, Switzerland, Switzerland (72)Name of Inventor: 1)RALF HOPPE 2)JUSTYNA TRZASKOWSKI
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The invention relates to a composite which comprises a matrix material made of an amorphous polyamide with a glass transition temperature of at least 180°C. The composites according to the invention are used for the production of reinforced components in the fields of sport, leisure, engineering industry, electronics, construction, medical technology, communication and transport means and aeronautical and aerospace engineering,

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1921/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/03/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: ANDROGEN RECEPTOR MODULATOR FOR THE TREATMENT OF PROSTATE CANCER AND ANDROGEN RECEPTOR-ASSOCIATED DISEASES

(51) International classification :A61K31/44 (31) Priority Document No :60/785,978 (32) Priority Date :27/03/2006 (33) Name of priority country :U.S.A. (86) International Application No Filing Date :27/03/2007

(87) International Publication No :WO/2007/126765

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :9025/DELNP/2008

Filed on :27/03/2007 (71)Name of Applicant:

1)THE REGENTS OF THE UNIVERSITY OF

CALIFORNIA

Address of Applicant: 1111 Franklin Street, 12th Floor

:PCT/US2007/007485 | Oakland, California 94607-5200, USA U.S.A.

(72)Name of Inventor:

1)JUNG Michael Ernest

2)SAWYERS Charles Lazelle

3)OUK Samedy

4)TRAN Chris

5)WONGVIPAT John

(57) Abstract:

A hydantoin coTnpound useful for the prevention or treatment of hyperproliferative diseases or disorders.

No. of Pages: 56 No. of Claims: 42

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A BOILER AND A METHOD FOR NOX EMISSION CONTROL FROM A BOILER

(51) International classification	:B01D53/56	(71)Name of Applicant :
(31) Priority Document No	:14175813.6	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:04/07/2014	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND Swaziland
	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)HILBER, THOMAS
Filing Date	:NA	2)SCHNIEDER, KLAUS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A boiler (1) comprises an enclosure (2) having at least a supply (3, 4) for fuel and oxidizer and at least a supply (5) for a SNCR reagent. The supply (5) for the SNCR reagent comprises at least a regulation valve (15, 15a, 15b, 15c) for the SNCR reagent. The boiler (1) comprises at least a sensor (17) for measuring information indicative of the NOX concentration over at least one given enclosure cross section (18). The boiler. (1) comprises a controller (20) connected to the at least a sensor (17) and to the at least a regulation valve (15, 15a, 15b, 15c), the controller (20) for regulating the SNCR reagent supply according to the measured information indicative of the NOx concentration.

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

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : CLUTCH DISC •

 (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) Petent of Addition to Application Number 	:F16B5/04 :1455983 :26/06/2014 :France :NA :NA	(71)Name of Applicant: 1)VALEO EMBRAYAGES Address of Applicant:81 Avenue Roger Dumoulin, 800009 Amiens Cedex 2, France, France (72)Name of Inventor: 1)OLIVIER MARECHAL
•		1)OLIVIER MARECHAL
(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 clutch disc comprising: - a hub (2) having a central axis X, able to be connected to a driven shaft for conjoint rotation therewith, the hub having a protruding collar (12) on its outer periphery, - a rigid annular cover plate (3) connected to the hub for conjoint rotation therewith, having an inner portion (14) bearing against the collar, and - a support (1) having an annular inner portion (13), bearing against the collar, the cover plate and the support being disposed on either side of the collar and connected one against the other so as to pinch the collar of the hub between the respective inner portions of the support and of the cover plate, wherein the support is resiliently deformed, such that the support has a resiliently deformed truncated cone-shaped zone (13) and exerts a resilient force clamping the collar against the inner portion of the cover plate.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/04/2016

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

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:NA :NA	Address of Applicant :1F&7F&8F, Building 1,No.1675 Huadong Road, Pudong, Shanghai, 201209, China P.R.C. China (72)Name of Inventor: 1)Tao JIANG
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:NA :NA	2)Li-Feng QIAO 3)Jian-Gang HUANG 4)Yang-Yang TAO 5)Hong-Jian GAN
Filing Date	:NA	

(57) Abstract:

A driving device is configured to drive a power semiconductor switch module based on a main control signal. The driving device includes a voltage-modulating unit and a driving module. When the voltage-modulating unit receives a protection signal, the voltage-modulating unit generates a turn-off pulse signal based on the protection signal. Moreover, the driving module is configured to turn off the power semiconductor switch module based on the turn-off pulse signal. Also disclosed herein is a driving method.

No. of Pages: 79 No. of Claims: 49

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : POWER CONVERSION DEVICE AND METHOD FOR TRANSMITTING PROTECTION SIGNAL USING THE SAME

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:H02J17/00 :201410290589.3 :25/06/2014 :China	Address of Applicant :1F&7F&8F, Building 1,No.1675 Huadong Road, Pudong, Shanghai, 201209, China, P.R.C. China
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Hong-Jian GAN
(87) International Publication No	: NA	2)Ming WANG
(61) Patent of Addition to Application Number	:NA	3)Jian-Ping YING
Filing Date	:NA	4)Bing ZHANG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A power conversion device includes a power semiconductor switch module, a driving signal-transmitting circuit, a plurality of failure-detecting circuits, a protection signal transmitting circuit and a control circuit. The driving signal transmitting circuit receives a control signal and generates a driving signal according to the control signal to drive the power semiconductor switch module. The failure detecting circuits generate a fault signal when they detect that one of the power semiconductor switches and/or the driving signal transmitting circuit is malfunctioning. The isolated pulse transforming unit of the protection signal transmitting circuit receives a corresponding fault pulse signal generated according to the fault signal, and outputs a protection pulse signal. The control circuit generates the control signal and receives a protection signal generated according to the protection pulse signal. The control circuit generates a turn off signal according to the protection signal to turn off the power semiconductor switch module.

No. of Pages: 49 No. of Claims: 28

(22) Date of filing of Application :10/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ANTENNA USING LIQUID METAL AND ELECTRONIC DEVICE EMPLOYING THE SAME

(57) Abstract:

An antenna using a liquid metal is provided. The antenna includes a plurality of antenna structures each having an inner cavity of a form corresponding to a radiator pattern; and at least one actuator connected to at least two of the plurality of antenna structures to control movement of the liquid metal to supply the liquid metal to at least one of the antenna structures. Thereby deterioration of an antenna performance due to an influence of a human body can be prevented and deterioration of an antenna performance can be prevented due to a form change of an electronic device including the antenna. In this manner optimal antenna radiation performance can be dynamically realized.

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

(22) Date of filing of Application :12/12/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: CONDITIONAL INTERACTION CONTROL FOR A VIRTUAL OBJECT

 (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 	:12/06/2013 :WO 2014/012717 :NA :NA	(71)Name of Applicant: 1)ALCATEL LUCENT Address of Applicant: 148/152 route de la Reine F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)PAPILLON Serge 2)MARTIN Antony
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A method and system for providing conditional interaction for a virtual object (2) accessible with a mobile device (1) said mobile device (1) comprising geolocation means for assessing a real world geographic location (PI) to said mobile device (1) and said virtual object (2) being assessed a location information (P2) corresponding to a real world geographic location In various embodiments at least one interaction is conditioned with said virtual object (2) through said mobile device (1) at least in function of the real world geographic location (PI) of said mobile device (1) and the location information (P2) of said virtual object (2). In case said conditioning step is satisfied interacting (7) with said mobile device (1) on said virtual object by modifying said location information (P2) of the virtual object (2).

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

(22) Date of filing of Application :10/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : METHOD FOR CONTROLLING A SPEED SURGE OF AN INTERNAL COMBUSTION ENGINE OF A MOVING VEHICLE DURING A GEARBOX RATIO CHANGE

(31) Priority Document No :145	2)CONTINENTAL AUTOMOTIVE GmbH (72)Name of Inventor: 1)CRENNE, Dominique
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(57) Abstract:

The present invention relates to a method for controlling a speed surge of an internal combustion engine of a moving vehicle during a ratio change of a manual gearbox, the vehicle comprising an engine control unit (100) which is provided with a transient progressive torque reduction phase (60) which is activated when the driver requests zero torque or when the foot is raised, the method comprising the following steps: the engine control unit detects the foot being raised and activates the transient progressive torque reduction phase; the engine control unit records the engine speed (NIvp) and determines the gearbox ratio (RBi) engaged when the foot is raised; the engine control unit then determines, in the raised foot state, a maximum permissible engine speed, (Nmax) which is greater than the recorded speed (NIvp) of the raised foot, in accordance with the engine speed recorded and the engaged gearbox ratio; the engine control unit then monitors the current speed (Nc) so that: if the current speed exceeds the maximum permissible speed, the engine control unit initiates a stop with immediate effect of the transient progressive torque reduction phase, if the current speed remains less than or equal to the maximum permissible speed, the engine control unit maintains the transient progressive torque reduction phase.

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

(21) Application No.1879/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND DEVICE FOR BLADE REPLACEMENT IN WIND TURBINES

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:B23P6/00 :ES201400538 :07/07/2014 :Spain :NA	(71)Name of Applicant: 1)GAMESA INNOVATION & TECHNOLOGY, S.L. Address of Applicant: Avenida Ciudad de la Innovaci ³ n, 9-11, 31621 Sarriguren (Navarra) Spain Spain (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)Raul, MODREGO JIMENEZ
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

Method and device for replacing a blade (13) in wind turbines that comprises two elements, one upper (1) and the other lower (2) that work together to raise and/or lower the blade (13) of a wind turbine. The devices upper element or top • (1) comprises some elements (4) bolted to the bearing (3) of the wind turbine and some means of fastening (5) the blade (13), while the lower element or ground • (2) is a structure that encompasses the wind turbine tower (8) and has at least two winches (2.5) and two deviation pulleys (2.4) to connect some cables (6) between the device elements, namely the top • (1) and ground • (2).

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

(21) Application No.1941/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VANE DEVICE FOR A TURBINE APPARATUS

(31) Priority Document No :1031	(72)Name of Inventor : 1)HUANG, KUO-CHANG
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(57) Abstract:

A vane device is adapted for use in a turbine apparatus, and includes a rotary shaft (1) and a plurality of angularly spaced-apart vane units (2). The rotary shaft (1) is rotatable in a rotational direction (T). The vane units are connected to the rotary shaft (1). Each of the vane units (2) includes a grid frame (21) and a plurality of spaced-apart cup members (22). The grid frame (21) is connected to the rotary shaft (1). The cup members (22) are arranged in an array and are connected to the grid frame (21). Each of the cup members (22) has an inner surface (211) that defines a receiving space (220), and an outer surface (222) that is opposite to the inner surface (211) and that faces toward the rotational direction (T).

No. of Pages: 20 No. of Claims: 7

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention : THE TRANSITION METAL CARBAMATES OF 4-METHYLPIPERAZINE-1-CARBAMIC ACID WITH COPPER (II) AND ZINC (II) AND THEIR SYNTHESIS

(51) International classification	:A61K33/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HIMACHAL PRADESH UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :Shimla - 171 005, HIMACHAL
(33) Name of priority country	:NA	PRADESH, India Himachal Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Shashi Bala Kalia
(87) International Publication No	: NA	2)Rajesh Kumar
(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 embodies some novel carbamate compounds, viz.4-methylpiperazinel- carbmic Acid (4-MPipzcbmH) and its complexes with copper(II) and zinc(I1) metal ions: [Cu (4-MPipzcbmH)2]X2: (X= Cl,ClO4,NO3) and [Zn(4-MpipzcbmH)2]Cl2. The compounds have been synthesized using green synthetic routes and exhibit potential insecticidal activity against various potato pests with low residues.

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

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ARC RESISTANT SHUTTERS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:14/310,660 :20/06/2014 :U.S.A. :NA :NA	Address of Applicant:1415 South Roselle Rd., Palatine, IL 60067, United States of America U.S.A. (72)Name of Inventor: 1)FABER, Tim
(87) International Publication No	: NA	2)WOODSON, Cameron
(61) Patent of Addition to Application Number	:NA	3)ROMERO LEGORRETA, German
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A connection system for connecting electrical devices to busses within a switchgear cabinet includes an independently movable shutter that slides along a bus bar, the shutter covering access to the bus bar in a disconnected position and allowing access in a connected position. The bus bar has an insulator cap covering its free end. The shutter is mounted to a spring-biased support. The shutter has an opening through which the bus bar passes. The shutter slides along the bus bar backwardly away from the insulator cap, in the connected position. The shutter slides forwardly along the bus bar toward the insulator cap, in the disconnected position. The insulator cap fits closely within the opening in the shutter to prevent access to the bus bar when in the disconnected position. The shutter can fit within arc attenuating phase barriers surrounding each bus bar and be constructed to be arc resistant.

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

(21) Application No.1798/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/03/2014 (43) Publication Date: 29/04/2016

(54) Title of the invention: TERNESITE USED AS AN ACTIVATOR FOR LATENT HYDRAULIC AND POZZOLANIC **MATERIALS**

(51) International classification :C04B7/13,C04B7/153,C04B7/24 (71) Name of Applicant: (31) Priority Document No :11006757.6 (32) Priority Date :18/08/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/002979 :16/07/2012

Filing Date

(87) International Publication :WO 2013/023732

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)HEIDELBERGCEMENT AG

Address of Applicant :Berliner Str. 6 69120 Heidelberg

Germany

(72) Name of Inventor:

1)BULLERJAHN Frank

2)SCHMITT Dirk 3)BEN HAHA Mohsen 4)BATOG Barbara

5)IRBE Linda

The invention relates to a binding agent based on latent hydraulic and/or pozzolanic materials which are activated by adding ternesite (CS\$).

No. of Pages: 38 No. of Claims: 19

(21) Application No.1938/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: IGNITION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

 (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 	:F02P9/00 :10 2012 216 182.1 :12/09/2012 :Germany :PCT/EP2013/068872 :12/09/2013 :WO 2014/041050 :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)SKOWRONEK Tim 2)PAWLAK Thomas
E	:NA :NA	

(57) Abstract:

The invention relates to an ignition system having: a high voltage generator in particular a step up transformer with a primary side and a secondary side; an electrical energy source which can be connected to the primary side; and a spark gap which is designed to carry a current transferred by the step up transformer to the secondary side. The step up transformer has a bypass for transferring electrical energy from the electrical energy source to the secondary side. The invention is characterised in that the bypass is designed to support a diminishing electrical signal in the secondary coil of the high voltage generator after a predefined time or once a predefined current intensity of the current has been reached. The invention also relates to a corresponding method for generating and maintaining an ignition spark.

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

(22) Date of filing of Application: 10/03/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: METHOD FOR FUNCTION MONITORING ULTRASOUND SENSORS

(51) International classification	:G01S7/52, G01S15/93	(71)Name of Applicant: 1)ROBERT BOSCH GMBH
(31) Priority Document No	:10 2012 216 290.9	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(32) Priority Date	:13/09/2012	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/065962	1)SCHOENHERR Michael
Filing Date	:30/07/2013	2)ROKA Andras
(87) International Publication No	:WO 2014/040788	
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to a method for function monitoring ultrasound sensors (1 12) of a vehicle (100) wherein the vehicle (100) comprises at least one ultrasound sensor (2 5; 8 11) oriented parallel to the direction of movement (102) and at least one ultrasound sensor (1 6 7 12) oriented vertically to the direction of movement (102). The ultrasound sensors (1 12) transmit ultrasound signals (110 120) at a frequency f wherein the ultrasound sensors (1 12) receive bottom echoes (112 122) reflected from the ground while the vehicle is travelling. By way of at least one ultrasound sensor (1 6 7 12) oriented vertically to the direction of movement a bottom echo (112) is recorded as a reference signal and by way of at least one ultrasound sensor (2 5 8 11) oriented parallel to the direction of movement a doppler shifted bottom echo (122) is recorded as a measuring signal. As a function of the doppler frequency fof the doppler shifted bottom echo (122) a ratio (A) of measuring signal and reference signal is formed and from at least two ratios (A) calculated at different doppler frequencies f the frequency response curve (200) of the at least one ultrasound sensor (2 5 8 11) oriented parallel to the direction of movement is determined wherein a malfunction of an ultrasound sensor (1 12) can be detected by way of deviations of the determined frequency response curve (200) from a reference frequency response curve.

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

(22) Date of filing of Application :21/02/2014 (43) Publication Date: 29/04/2016

(54) Title of the invention: CLAMPING DEVICE

(51) International classification (31) Priority Document No	:F16H7/08 :10 2011 079 612.6	(71)Name of Applicant: 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG
(32) Priority Date	:22/07/2011	Address of Applicant :Industriestrae 1 3 91074
(33) Name of priority country	:Germany	Herzogenaurach Germany
(86) International Application No	:PCT/EP2012/054225	(72)Name of Inventor:
Filing Date	:12/03/2012	1)KRAWIETZ Christopher
(87) International Publication No	:WO 2013/013839	
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.1339/DELNP/2014 A

(57) Abstract:

(19) INDIA

The clamping means has two components specifically a supporting body made of sheet metal and a sliding cover arranged on the supporting body. The supporting body additionally has a rotary bearing. A spring arranged approximately parallel to the running path is provided between a clamping piece and the supporting body. The spring is designed as a compression spring and on one side is arranged on a pin and on the other side is arranged in an opening in the clamping piece. Provided on the clamping piece is a lug which in the loaded position of the compression spring can be connected to a hook. The sliding cover which is formed as a one piece component accommodates both the one end of the supporting body with the rotary bearing of the latter and the opposite end of the supporting body; furthermore the sliding cover forms both the hook and the pin.

No. of Pages: 11 No. of Claims: 6

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HIGH EFFICIENCY RADIATOR AND MANUFACTURING METHOD THEREOF

(51) International classification (31) Priority Document No	:F01P :201410368240.7	(71)Name of Applicant : 1)Guangdong Thermal Management Technology Co.,
(32) Priority Date	:30/07/2014	Limited
(33) Name of priority country	:China	Address of Applicant :Flat 1801, Workingport Comm
(86) International Application No	:NA	Bldg,No.3 Hau Fook ST, TST, KL, Hongkong, China China
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Weizeng Deng
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A high efficiency radiator and a manufacturing method thereof are disclosed. The high efficiency radiator includes: a radiating set, a closed ring and a basement membrane. The basement membrane has a chamber, the radiating set is provided in the chamber of the basement. The closed ring is provided on a connecting gap between the radiating set and the basement membrane. The radiating set comprises a cover plate and a plurality of radiating fins. The radiating fins are provided on a surface of the cover plate at an equal interval. The radiating fins are provided in the chamber of the basement membrane, and the cover plate is provided on an opening of the basement membrane and connected with the closed ring. The present invention has advantages of high radiation efficiency, light weight, low cost and wide application.

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

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VARIABLE FREQUENCY SPEED CONTROL SYSTEM AND METHOD OF THE SAME

 (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 	:H04W :201410241036.9 :30/05/2014 :China :NA :NA : NA : NA :NA :NA	(71)Name of Applicant: 1)Delta Electronics (Shanghai) Co., Ltd. Address of Applicant:1F & 7F & 8F, Building 1, No.1675 Huadong Road, Pudong, Shanghai, 201209, China China (72)Name of Inventor: 1)Bin LIU 2)Zheng WANG 3)Yi ZHANG 4)Hong-Jian GAN 5)Jian-Ping YING
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(57) Abstract:

A variable frequency speed control system having a low voltage ride through function that includes a variable frequency drive having a rectifier, a DC bus and an inverter is provided. The variable frequency speed control system includes a voltage drop detecting module, a frequency control module, an operation mode selecting module and an inverter control module. The voltage drop detecting module generates a voltage drop coefficient according to a grid voltage and a rated grid voltage and generates an operation mode switching signal. The operation mode selecting module receives a target frequency signal and a frequency decreasing amount and generates an output frequency signal according to the operation mode switching signal. The inverter control module generates a three phase modulating signal according to the output frequency signal, which is used to control the operation of the inverter.

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

(21) Application No.1958/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:11/03/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention : DRUG DELIVERY SYSTEMS AND METHODS FOR TREATMENT OF BLADDER VOIDING DYSFUNCTION|AND OTHER LOWER URINARY TRACT DISORDERS BY USING TROSPIUM

(51) International classification	:A61L 29/16	(71)Name of Applicant :
(31) Priority Document No	:61/702576	1)TARIS BIOMEDICAL LLC
(32) Priority Date	:18/09/2012	Address of Applicant :99 Hayden Avenue Suite 100 Lexington
(33) Name of priority country	:U.S.A.	Massachusetts 02421 U.S.A.
(86) International Application No	:PCT/US2013/060479	(72)Name of Inventor:
Filing Date	:18/09/2013	1)GIESING Dennis
(87) International Publication No	:WO 2014/047221	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

(57) Abstract:

Methods devices and medicaments that include trospium are provided for use in the treatment of bladder dysfunction by locally administering the trospium into the bladder to achieve a sustained concentration of trospium in urine in the bladder sufficient to produce a therapeutic concentration of trospium in bladder tissue. The drug may be delivered into the bladder from an intravesical drug delivery device inserted into the bladder wherein the device continuously releases the drug into the urine in the bladder over an extended period of hours or days.

No. of Pages: 34 No. of Claims: 32

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: REDUCED-TILT BACK PLASTIC FEATURE FOR A CONTACT LENS MOLD

(51) International classification(31) Priority Document No(32) Priority Date	B29D :13/480,780	(71)Name of Applicant: 1)JOHNSON & JOHNSON VISION CARE, INC. Address of Applicant:7500 CENTURION PARKWAY, JACKSONVILLE, FLORIDA 32256, U.S.A. U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)DAVID A. KATTERHENRY (DECEASED)
Filing Date	:NA	2)RADHAKRISHNAN DAMODHARAN
(87) International Publication No	: NA	3)JOSE L. PEREZ
(61) Patent of Addition to Application Number	:NA	4)PHILIPPPE F. JUBIN
Filing Date	:NA	5)TIMOTHY CLUTTERBUCK
(62) Divisional to Application Number	:NA	6)PIERRE-YVES GERLIGAND
Filing Date	:NA	

(57) Abstract:

A mold assembly for manufacturing ophthalmic lenses which comprises an anti-tilt feature that prevent relative movement of one half of the mold assembly relative to the other half of the mold assembly. The anti-tilt feature ensures that the edges of the ophthalmic lenses are symmetric around thier periphery.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DOUBLE-ACTION PUSHER CENTRIFUGE AND PUSHER BASE DEVICE •

(51) International classification (31) Priority Document No	:B04B :14173652.0	(71)Name of Applicant : 1)FERRUM AG
(32) Priority Date	:24/06/2014	Address of Applicant :Bahnstrasse 18, 5102 Rupperswil,
(33) Name of priority country	:EUROPEAN UNION	Switzerland Switzerland (72)Name of Inventor:
(86) International Application No	:NA	1)NIK KELLER
Filing Date	:NA	
(87) International Publication 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 double-action pusher centrifuge (1) for separating a mixture (17) into a solid cake (14, 15) and into a liquid (39), which double-action pusher centrifuge comprises a screen drum (6) which is rotatable about an axis of rotation (10) and in which a pusher base device (5) is arranged movable to and fro along the axis of rotation (10) such that the solid cake (14, 15) is displaced alternately by means of an outer ring region (51) of the pusher base device (5) in the screen drum (6) in the operating state. In this respect, a plurality of axial passage openings (12) are provided in the outer ring region (51) of the pusher base device (5) which connect a front region (151) and a rear region (141) of the screen drum (6), wherein a feed unit (11) is provided which is arranged at an inflow disk (29) such that the mixture (17) can be introduced via the feed unit (11) and the inflow disk (29) into the empty space (16) arising on the screen drum (6) on a displacement of the solid cake (14, 15). In accordance with the invention, an inflow gap (53) which is not interrupted in the peripheral direction (U) and via which the mixture (17) can be applied into the empty space (16) on the screen drum (6) is formed between an inflow edge (291) of the inflow disk (29) and a pusher base plate (52) of the pusher base device (5) with an inflow region (500). The invention furthermore relates to a pusher base device (5) for a double-action pusher centrifuge (1).

No. of Pages: 30 No. of Claims: 15

(21) Application No.1552/DEL/2008 A

(19) INDIA

(22) Date of filing of Application :27/06/2008 (43) Publication Date : 29/04/2016

(54) Title of the invention: TOOTH BRUSH COVER WHICH MAKES IT POSSIBLE TO CARRY IT IN POCKET LIKE A PEN

(51) International classification	:B65D81/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KHULLER VIR DEV
(32) Priority Date	:NA	Address of Applicant :F-23, NIZAMUDDIN WEST, NEW
(33) Name of priority country	:NA	DELHI-110013 Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KHULLER VIR DEV
(87) International Publication 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 specially designed tooth brush cover makes it possible to carry the tooth brush in pocket like a pen or in purse for use as and when required. With this cover an adult can use a small tooth brush meant for Children. As one cover can be used for a longtime with many tooth brushes it also helps to economise on tooth brushes.

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

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR FABRICATING AN ORGANIC SEMICONDUCTOR FILM

 (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 	:14 55832 :24/06/2014 :France :NA :NA	(71)Name of Applicant: 1)ARMOR Address of Applicant:20, rue Chevreul 44100 NANTES, France France (72)Name of Inventor: 1)GUICHARD, Pierre Jean Yves 2)DERENNES, Christophe
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	: NA :NA :NA	2)DERENNES, Christophe
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a method for producing a semiconducting organic film comprising the steps: - preparing a first mixture comprising a first organic semiconducting material of type p having a molar mass of less than or equal to 2,000 grams.mol-1 (g.mol-1) and a first organic semiconducting material of type n having a molar mass of less than or equal to 2,000 grams.mol-1 (g.mol-1), - adding to the first mixture a second organic semiconducting material in order to form a second mixture, the second material being a polymer having a molar mass greater than or equal to 10,000 g.mol-1, and - forming the organic film from the second mixture.

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

(21) Application No.1972/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SYSTEM AND METHOD FOR PERSONALIZED ADD- ON PURCHASE

 (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 	:G06Q30/00 :14/321,328 :01/07/2014 :U.S.A. :NA :NA :NA	· · · · · · · · · · · · · · · · · · ·
Filing Date (62) Divisional to Application Number	:NA :NA :NA	
Filing Date	:NA	

(57) Abstract:

A system and method for identifying and promoting product items, in which current personal information of a consumer is used to identify and promote additional products items for purchase that have been specifically selected for the consumer at completion of a current order based upon current personal information of the consumer. The recommended product items may then be ordered with minimum additional effort on the part of the consumer, using information from the completed order. This results in a high likelihood of the recommended product items being of interest to, and therefore being purchased by, the consumer.

No. of Pages: 57 No. of Claims: 21

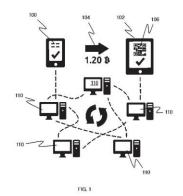
(22) Date of filing of Application :22/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: SYSTEM AND METHOD FOR EXECUTING FINANCIALTRANSACTIONS

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:US	1)Moni Limited
(31) Thomas Boundaries	14/295968	Address of Applicant :Second Floor Cardiff House, Tilling
(32) Priority Date	:04/06/2014	Road, London NW2 1LJ, United Kingdom U.K.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)Antti Pennanen
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A system for implementing at least one cryptocurrency transaction at a point-of-sale by using a mobile terminal is provided. The system is operable to provide authentication for implementing the one or more cryptocurrency transactions, wherein he system is operable to send at least one authentication request for the at least one cryptocurrency transaction from a payment terminal to a payment service hosted via one or more virtual computing machines, wherein the payment service is operable to provide a request for a PIN code at the mobile terminal; to send the PIN code from the mobile terminal via a secure channel to open a vault in the one or more virtual machines, wherein the vault contains one or more private keys which are useable for authenticating the at least one cryptocurrency transaction; and to confirm execution of the at least one cryptocurrency transaction to at least the payment terminal.



No. of Pages: 41 No. of Claims: 15

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR CHECKING A POSITION OF A ROTOR OF AN ELECTRIC MACHINE

(51) International classification	:H02P6/18	(71)Name of Applicant:
(31) Priority Document No	:102014211881.6	1)ROBERT BOSCH GmbH
(32) Priority Date	:20/06/2014	Address of Applicant :Postfach 30 02 20, 70442 Stuttgart,
(33) Name of priority country	:Germany	Germany Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ROESNER, Julian
(87) International Publication 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 a method for determining a position of a rotor relative to a stator of an electrical machine, wherein a winding of the stator has three current pulses (Id) that can be generated in terms of geometric angle of the rotor, wherein the three current pulses (Id) comprises, a first current pulse, a current pulse offset with respect to the first current pulse about a predetermined positive phase angle ($\Delta\Psi1$) and a current pulse offset with respect to the first current pulse about a predetermined negative phase angle ($\Delta\Psi2$).

No. of Pages: 19 No. of Claims: 16

(21) Application No.1735/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :10/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: GAS PIPE FOR EXHAUST GAS RECIRCULATION

(86) International Application No :NA 1)KOBAYASHI Shinichi Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	(87) International Publication No(61) Patent of Addition to Application NumberFiling Date	:2014- 119747 :10/06/2014 :Japan :NA :NA :NA	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor: 1)KOBAYASHI Shinichi
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(57) Abstract:

A plurality of upper Gns (3) and a plurality of lower fins (4) are each provided in an EGR passage (2) so as to be adjacent to each other across a predetermined space (5A to 5C, g 6A to 6C) in a direction perpendicular to all exhaust-gas flow direction. The upper fins (3) and the lower fins (4) are gradually narrowed ill width toward their respective projection directions, so that both sides thereof in their width direction have inclined surfaces. A tilt angle (P) of the inclined surfaces of the lower fins (4) is made larger than a tilt angle (a) of the inclined surfaces of the upper fins (3).

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

(21) Application No.2013/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : HEAT RESISTANT FLAME RETARDANT RUBBER COMPOSITION INSULATED WIRE AND RUBBER TUBE

(51) International classification	:C08L27/18, H01B7/02	(71)Name of Applicant: 1)SUMITOMO ELECTRIC INDUSTRIESLTD.
(31) Priority Document No	:2013006412	Address of Applicant :5 33 Kitahama 4 chome Chuo ku Osaka
(32) Priority Date	:17/01/2013	shi Osaka 5410041 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2013/075308	1)FUJITA Taro
Filing Date	:19/09/2013	2)HAYAMI Hiroshi
(87) International Publication No	:WO 2014/112156	3)NISHIKAWA Shinya
(61) Patent of Addition to Application	:NA	4)OCHI Yuji
Number	:NA	5)TOZAWA Masahiro
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Provided are: a heat resistant flame retardant rubber composition which has low adhesiveness even in an uncrosslinked state; an insulated wire which has an insulating coating that is formed from this heat resistant flame retardant rubber composition; and a rubber tube which is formed from this heat resistant flame retardant rubber composition. A heat resistant flame retardant rubber composition which is obtained by blending 10 100 parts by mass of an inorganic filler per 100 parts by mass of a mixture that is obtained by mixing (A) a vinylidene fluoride hexafluoropropylene copolymer rubber and/or a vinylidene fluoride hexafluoropropylene tetrafluoroethylene copolymer rubber and (B) a polyvinylidene fluoride at a ratio of from 90:10 to 60:40 (mass ratio); an insulated wire which has an insulating coating that is formed from this rubber composition by irradiation of ionizing radiation; and a rubber tube which is formed from this heat resistant flame retardant rubber composition by irradiation of ionizing radiation.

No. of Pages: 20 No. of Claims: 4

(22) Date of filing of Application :11/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD FOR REDUCING THE THICKNESS OF A LENS SHAPE AND UNCUT LENS BLANK

 (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 	:G02F :PCT/US2014/039185 :22/05/2014 :PCT :NA :NA :NA :NA	(71)Name of Applicant: 1)Carl Zeiss Vision International GmbH Address of Applicant: Gartenstr. 97, 73430 Aalen, Germany Germany 2)Carl Zeiss Vision Inc. (72)Name of Inventor: 1)Ray Steven SPRATT 2)Timo KRATZER 3)Philipp ELLINGER
Filing Date	:NA	

(57) Abstract:

The current invention is directed to a method (100), in particular a computer-implemented method, for providing a modified lens design (40) for an uncut lens blank (60), in particular through the use of a non-transitory computer readable medium. Further, a method (130), in particular a computer-implemented method, for reducing a thickness of an original lens design (10) of an uncut lens blank (60), in particular through the use of a non-transitory computer readable medium, is provided. Furthermore, a method (150) for manufacturing an uncut lens blank (60) and an uncut lens blank (60) are provided. (Fig. 2)

No. of Pages: 91 No. of Claims: 17

(22) Date of filing of Application :08/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DETECTOR WITH OPTICAL BLOCK

 (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 	:G08B17/107 :14/315,636 :26/06/2014 :U.S.A. :NA :NA	(71)Name of Applicant: 1)HONEYWELL INTERNATIONAL INC. Address of Applicant:101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, USA U.S.A. (72)Name of Inventor: 1)MASSIMO BRESSANUTTI
 (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	2)MAURO MIHELI 3)ANDREA CHIATTI

(57) Abstract:

An optical smoke detector includes a radiant energy source and a sensor. The source and sensor are carried by an optical block which provides a fixed orientation therebetween and barriers therebetween. The barriers reduce noise and false alarming due to bugs, dust water vapor and other intrusive elements. The barriers can include V-shaped members at a selective angle relative to center lines of the source and sensor

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

(22) Date of filing of Application :08/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PINION ASSEMBLY HAVING A BEARING SUPPORT SURFACE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:14/522,043 :23/10/2014 :U.S.A. :NA :NA	l '
 (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	

(57) Abstract:

A pinion assembly having a pinion and at least one bearing unit. The bearing unit may have a set of bearing elements and an outer race. The bearing elements may be rotatably disposed on a bearing surface of the pinion such that the bearing elements may be disposed between and may engage the bearing surface and the outer race.

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

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A NEW MECHANICAL STRUCTURE FOR MODULARCHILLER UNIT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:201420334314.0 :20/06/2014 :China :NA	LTD. Address of Applicant :Suzhou Donglu No. 88 Taicang, Jiangsu Province 215400, China China
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	2)TRANE INTERNATIONAL INC. (72)Name of Inventor: 1)WANG, Jun
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	2)ZENG, Debin 3)YUE, Jianjun 4)WU, Mingxun

(57) Abstract:

This disclosure describes a draining pan, a cooler, and a cooler set. The draining pan includes a primary pan structure, and a protrusion structure surrounding the primary pan structure, wherein, the primary pan structure has a central ridge and two slopes sliding downward from both sides of the central ridge. The primary pan structure further includes an upper surface as a loading surface, a lower surface, and at least one draining hole. The cooler includes a heat-exchanging panel box, a mechanics chamber, and a draining pan described herein, wherein, the upper surface of the primary pan structure is the loading surface supporting the heat-exchanger panel box, the draining pan is disposed on a top surface of the mechanics chamber. The mechanics chamber includes external parts that are removable. The cooler set includes two or more coolers described herein. The disclosed embodiments simplify the structural complexity of a cooler.

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

(21) Application No.2027/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 17/07/2014 (43) Publication Date: 29/04/2016

(54) Title of the invention: VEHICLE DOOR HINGE

(51) International classification	:E05F1/06	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)MITSUI KINZOKU ACT CORPORATION
(32) Priority Date	155435 ·26/07/2013	Address of Applicant :1-1-2, Takashima, Nishi-ku, Yokohama-shi, Kanagawa, 220-0011, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MORINAGA Hiroshi
Filing Date	:NA	
(87) 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 (62) Divisional to Application Number	:NA :NA	

(57) Abstract:

In a vehicle door hinge, a moving hinge member is fixed to a mounting surface of a door, and a fixed hinge member is fixed to a 5 mounting surface of a vehicle body. The moving hinge member is pivotally mounted to the fixed hinge member via a hinge shaft. The fixed hinge member has a deformation-promoting portion which meets the mounting surface of the vehicle body at an intersection. An extension line extends from a facing side of the fixed hinge member 10 facing the mounting surface of the door. First and second tangential lines which contact an outer circumference of the hinge shaft extend perpendicular the mounting surface of the vehicle body. The intersection is positioned between the extension line and the second tangential line remote from the extension line compared with the first 15 tangential line. The facing side is formed at right angles or approximate right angles with respect to the mounting surface of the vehicle body, and the fixed hinge member is unfolded to a T-shape.

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

(21) Application No.1800/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VEHICLE CONTROL DEVICE

(51) International classification	:B60K6/485	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) I Hority Document 140	127750	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi 471-
(32) Priority Date	:20/06/2014	8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MATSUBARA WATARU
Filing Date	:NA	2)FUJIWARA Hiroya
(87) International Publication No	: NA	3)HINO Akira
(61) Patent of Addition to Application Number	:NA	4)MINAKI Shun
Filing Date	:NA	5)TANAKA Naoto
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A vehicle control device (50) of a vehicle (10) including a lockup clutch (15) configured to directly couple between input/output rotating members (14p, 14t) of a fluid 5 power transmission device (14) transmitting power of an engine (12) to an automatic transmission (18), the vehicle control device engaging the lockup clutch when a running state of the vehicle is in a predetermined running state, the vehicle control device providing lockup clutch pressure learning control of learning an oil pressure of the lockup clutch used in start-time lockup slip control in which the lockup clutch is placed in a 10 slip-engaged state toward an engaged state at the start of the vehicle based on a rotation speed (Ne) of the engine at the time of engagement of the lockup clutch, the vehicle control device inhibiting engagement of the lockup clutch when the running state of the vehicle is in the predetermined running state and also in a second predetermined running state, the vehicle control device engaging the lockup clutch after the running state of the 15 vehicle goes out of the second predetermined running state, and providing the lockup clutch pressure learning control in an engaging process of the lockup clutch.

No. of Pages: 35 No. of Claims: 6

(21) Application No.1801/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: INTERNAL COMBUSTION ENGINE SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:2014- 132934	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor: 1)YASUDA Hiromichi
(87) International Publication 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 internal combustion engine system includes: an in-cylinder pressure sensor 30; a crank angle sensor 42; and a seal portion 34 that seals a space between an outer face of a housing 301 and a 5 wall surface of a cylinder head 32. A slope k that is a ratio of the amount of decrease in a heat release amount Q relative to the amount of increase in a crank angle is calculated in a period during an expansion stroke from a combustion end point 0max until an opening timing of an exhaust valve 22. The existence or nonexistence of an abnormality in the sealing function of the seal portion 34 is determined based on whether or not a ratio X of the amount of decrease in the slope k to the amount of 10 increase in an engine speed is greater than a threshold value a.

No. of Pages: 53 No. of Claims: 12

(21) Application No.1930/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DEVICE HOUSING WITH FASTENER NESTING PROVISION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:14/330,300 :14/07/2014 :U.S.A. :NA :NA	Address of Applicant :101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, USA U.S.A. (72)Name of Inventor : 1)GUOBIN XU
 (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	2)JOE LU 3)JOHN M. KOVACH

(57) Abstract:

An electrical unit includes a mounting portion, which can define, in part an interior region. The mounting portion includes a plurality of item clamping elements. The elements are displaced from one another to releasably support an item within the interior region. Items can be selected from a class which includes at least fasteners, wall anchors, and cable ties. First and second mounting holes are provided wherein a retainer, or wall anchor, can be removed from a respective clamping element and used to attach the unit to a selected mounting surface.

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

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : CHLOROFLUOROPOLYMER COATED SUBSTRATES AND METHODS FOR PRODUCING THE SAME

 (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 	:D21H19/24 :61/704956 :24/09/2012 :U.S.A. :PCT/US2013/059383 :12/09/2013 :WO 2014/046954 :NA :NA	(71)Name of Applicant: 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)RAINAL Eric 2)KERKAR Awdhoot Vasant 3)THENAPPAN Alagappan
Filing Date	:NA	

(57) Abstract:

Disclosed is a coated substrate which includes a substrate comprising a cellulosic fiber material and a copolymer coated in a thin film on at least one surface of the substrate. The copolymer has at least two comonomer units of the formula: CXCYA wherein each X is independently selected from the group consisting of H C1 and F; Y is selected from the group consisting of H C1 F O(CZ)CZ (CZ)CZ (OCZCZ)CZ and (O(CZ))CZ wherein each n is independently from about 1 to about 12 and each Z is independently selected from the group consisting of H Cl and F; and A is selected from the group consisting of H Cl and F; provided that for at least one comonomer unit at least one of A Y and either X or any Z is C1.

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

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PROTECTIVE GARMENT WITH AN INFLATABLE FLOATATION BLADDER

(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 Filing Date (83) Name of priority country SU.K. (10) Name of Inventor: SINA SINA SINA SINA SINA SINA SINA SINA	 (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 	:1409842.0 :03/06/2014 :U.K. :NA :NA : NA :NA :NA	(72)Name of Inventor : 1)MATTHEW SEARLE
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(57) Abstract:

Field of the Invention 5 An armour vest (500) includes front and rear portions (502, 504) that realize or otherwise mount armour plate or soft armour pads over a wearers vital organs. A floatation bladder (505) is stored and deployed under the protection of the armour. The armour vest is expandable to accommodate and at least partially protect the floatation bladder when it is inflated. In either a single or multi-stage process, the armour vests volume is increased 10 by automatically releasing buckles (530, 592, 900) that increase separation between the front and rear portions around the waist and, in an embodiment, also at the shoulders of the armour vest. In a deflated state, shoulder connectors (530) provide a load-bearing connection between the front and rear portions of the armour vest. Inflation of the bladder, either manually actuated by pulling a webbing trigger handle (703) or automatically with 15 immersion, causes a different load-bearing shoulder bridge (511) to be brought into operation at the shoulders of the amour vest. The shoulder bridge (511) is realized by the taking up of folds of fabric, which folds are released with the breaking of the buckle connection. Increased comfort and manoeuvrability are therefore afforded to the wearer of the vest

No. of Pages: 34 No. of Claims: 12

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MODULATED CLAMPING FORCE GENERATOR FOR TOROIDAL CVT

(51) International classification	:F16H 15/38	(71)Name of Applicant:
(31) Priority Document No	:2012903525	1)ULTIMATE TRANSMISSIONS PTY LTD
(32) Priority Date	:16/08/2012	Address of Applicant :31 Phillip Street Strathfield New South
(33) Name of priority country	:Australia	Wales 2135 Australia
(86) International Application No	:PCT/AU2013/000906	(72)Name of Inventor:
Filing Date	:16/08/2013	1)DURACK Michael
(87) International Publication No	:WO 2014/026238	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A toroidal variable speed traction drive is provided. The drive comprises a driving toroidal disc assembly (4) and a driven toroidal disc assembly (3). The toroidal disc assemblies (3 4) have a common axis of rotation. A plurality of roller assemblies are interposed between the toroidal discs (3 4). Each roller assembly comprises at least one roller (16). The toroidal discs (3 4) are urged together against the interposed roller assemblies by an axially directed clamping force. Each roller (16) of each roller assembly contacts each toroidal disc (3 4) at contact points. The driving toroidal disc assembly (4) is driven by an input drive shaft (14) which provides an input torque. The driven toroidal disc (3) drives an output structure (5) that rotates around the common axis of rotation the output structure (5 12) driving an output shaft (13). An interposed clamping arrangement (1 5) is provided between the driven toroidal disc(3) and the output structure (5 12) the interposed clamping arrangement (1 5) provides the axially directed clamping force which is proportional to an output torque experienced by the output shaft (13).

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

(21) Application No.2036/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/03/2015 (43) Publication Date: 29/04/2016

(54) Title of the invention: FOOD CAPSULE WITH MULTIPLE COMPARTMENTS

 (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 	:A47J31/06 :12188393.8 :12/10/2012 :EPO :PCT/EP2013/071297 :11/10/2013 :WO 2014/057094 :NA :NA	(71)Name of Applicant: 1)NESTEC S.A. Address of Applicant: Av. Nestl 55 1800 Vevey Switzerland (72)Name of Inventor: 1)TALON Christian
(62) Divisional to Application Number Filing Date	:NA :NA	
(55)		

(57) Abstract:

The present invention concerns a food capsule (100 300) comprising a cup shaped capsule body (101 301) enclosing a cavity (102 302) with an opening (105 305) at a first end (103 303) a second end (104 304) comprising at least one outlet (106a 106b 310 311) communicating with said cavity (102 302); an injection wall (112 314) closing said opening (105 305); and at least one partition (107 306) within said cavity (102 302) extending from said injection wall (112 314) to said second end (104 304) of said capsule body (101 301) and dividing said cavity (102 302) into a plurality of chambers (108 109 308 309); characterized in that each chamber houses a quantity of an alimentary substance (110 111 315 316) and communicates with at least one outlet comprising an independently operable closure means (106a 106b 310 311) in said second end (104 304).

No. of Pages: 36 No. of Claims: 18

(21) Application No.1816/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MULTIFUNCTIONAL COOKWARE

 (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 	:103210674 :18/06/2014 :Taiwan :NA :NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A multifunctional cookware is disclosed. A side of a chassis 11 is provided with a vessel 12, allowing a single cookware to fry foods with the chassis 11 and cook soups with the vessel 12. The vessel 12 is covered with a pot lid 30, further changing the vessel 12 into a vacuum cooker to simmer the foods. Furthermore, a steaming pan 20 is disposed between the vessel 12 and the pot lid 30, allowing the steam produced by heating up the liquid in the vessel 12 to steam the foods on the steaming pan 20, which turns the vessel 12 into a steamer. In the present invention, a frying pan, a stockpot, a vacuum cooker and a steamer are combined into one unit, allowing a single cookware to be multifunctional simultaneously, which increases convenience in using the cookware and reduces the space required to accommodate plural cookware.

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

(22) Date of filing of Application :09/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: TRANSFER RING SHOE AND TRANSFER RING HAVING VARIED SHOE PROFILE

 (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 	:B29D 30/26 :61/681917 :10/08/2012 :U.S.A. :PCT/US2013/054507 :12/08/2013 :WO 2014/026184 :NA :NA :NA	(71)Name of Applicant: 1)DAVIAN ENTERPRISES LLC Address of Applicant:PO Box 130 6435 Hwy 411 S Greenback Tennessee 37742 U.S.A. 2)JONES Patrick 3)SMITH Ian 4)JONES William 5)MARCUS Robert L. Jr. (72)Name of Inventor: 1)JONES Patrick 2)SMITH Ian 3)JONES William 4)MARCUS Robert L. Jr.
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(57) Abstract:

A transfer ring of the type having a plurality of shoes arranged in a substantially circular configuration to define an inwardly facing segmented cylindrical gripping surface and a shoe for use in such a transfer ring are disclosed. Each shoe comprises an arcuate interior surface defining a segment of the cylindrical gripping surface. The interior surface of each shoe has a first arcuate edge and an opposite second arcuate edge arranged substantially parallel to one another and opposite first and second end edges extending between respective ends of said first and second arcuate edges. Each first and second end edge defines a substantially non linear shape with each first and second end edge being shaped for mating engagement with an end edge of an adjacent shoe in the circular configuration.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : MEDIUM RECOGNIZING AND COUNTING APPARATUS, FINANCIAL DEVICE AND FINANCIAL MANAGEMENT SYSTEM

(51) International classification	:G06Q50/10	(71)Name of Applicant:
(31) Priority Document No	:10-2014-	1)LG CNS CO., LTD.
(31) Thomy Boumont 110	0081099	Address of Applicant :24, Yeoui-daero, Yeongdeungpo-gu,
(32) Priority Date	:30/06/2014	Seoul 150-881, Republic of Korea Republic of Korea
(33) Name of priority country	:Republic of	(72)Name of Inventor:
(33) Name of priority country	Korea	1)LEE, Chang Jin
(86) International Application No	:NA	2)PARK, Maeng Cheol
Filing Date	:NA	3)LEE, Hyun Seok
(87) International Publication No	: NA	4)JEON, Seung Bin
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure provides a recognizing and counting apparatus having a medium storing function, including: a hopper in which an inserted medium is stacked; a recognizing unit which recognizes an abnormal medium while counting the medium transferred from the hopper; a reject pocket in which abnormal medium recognized to be abnormal by the counting unit is stacked; a normal medium pocket in which a normal medium normally counted by the counting unit is stacked; one or more storage cassette which is disposed below the normal medium pocket to store the normal medium stacked in the normal medium pocket; and a conveying unit which is provided between the counting unit, the normal medium pocket, and the storage cassette to convey the normal medium.

No. of Pages: 77 No. of Claims: 16

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A PRESSURE PISTON ACTUATOR WITH NON RIGID SHAFT

 (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 	:F15B 15/28 :61/710632 :05/10/2012 :U.S.A. :PCT/US2013/063230 :03/10/2013 :WO 2014/055741	(71)Name of Applicant: 1)DAYCO IP HOLDINGS LLC Address of Applicant: 2025 W. Sunshine Street Suite L145 Springfield MO 65807 U.S.A. (72)Name of Inventor: 1)FLETCHER David 2)GRAICHEN Brian
E .		7
Number Filing Date	:NA :NA	S)NIND I Studit
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Pressure piston actuators and systems for control of wastegate in a turbocharger pressure that include the pressure piston actuators are disclosed. The pressure piston actuator includes a housing defining a chamber and a pathway leading to the chamber a piston disposed within the chamber a rod connected to the piston by a ball and socket joint and a spring disposed in the chamber to bias the piston and hence the rod into a retracted position. Then when fluid is introduced into the chamber the fluid applies pressure to the piston. Once the pressure overcomes the bias of the spring the piston and hence the rod moves into an extended position. For the system the pressure piston actuator has the connector on the end of the rod opposite the ball and socket joint connected to the valve portion of a wastegate of a turbocharger.

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

(21) Application No.1495/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

(54) Title of the invention: ENGINE WITH VARIABLE VALVE TIMING MECHANISM

(74) 7	Goob	71.33
(51) International classification	:G09B	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION
(31) Thority Document 140	121492	Address of Applicant :300, TAKATSUKA-CHO, MINAMI-
(32) Priority Date	:29/05/2012	KU, HAMAMATSU-SHI, SHIZUOKA 432-8611 JP Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NISHIHASHI, TOMOHIRO
Filing Date	:NA	
(87) International Publication 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 an engine with a variable valve timing mechanism. A mount attachment part of a chain case is provided with a bracket attachment seat surface part to which a engine-side mount bracket is attached and is provided integrally with a hydraulic control valve attachment part below the bracket attachment seat surface part and in an inner side space part. A fastener part fastening the chain case to a cylinder head is disposed in the inner side space part of the mount attachment part and between the hydraulic control valve attachment part and the bracket attachment seat surface part.

No. of Pages: 25 No. of Claims: 3

(21) Application No.1558/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DISK BRAKE, PAD, AND PAIR OF SHIMS

(51) International classification	:F16D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HITACHI AUTOMOTIVE SYSTEMS, LTD.
(31) I Hority Document 140	118783	Address of Applicant :2520, Takaba, Hitachinaka-shi, Ibaraki
(32) Priority Date	:09/06/2014	312-8503, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)OSADA, Takahito
Filing Date	:NA	
(87) International Publication 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 pad (14) includes: a lining (33); a plate (34); a first shim (36) installed at a surface (34b) of the plate (34) which is opposite to the lining (33); and a second shim (37) installed at a surface (36b) of the first shim (36) which is opposite to the plate (34), a first hook (96) overhanging at an outer circumferential edge section (34A) of the plate (34) and hooked to the outer circumferential edge section (34A) of the plate (34) is formed at the first shim (36), a second hook (116) is formed at the second shim (37) at an outer side of the first hook (96) in a disk radial direction, and the second hook (116) is configured to be hooked to a part of the plate (34) with which the first hook (96) does not come in contact.

No. of Pages: 47 No. of Claims: 11

(21) Application No.1772/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: A MATERIAL HANDLING MACHINE

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:E02F3/28 :1411808.7 :02/07/2014 :U.K.	(71)Name of Applicant: 1)J.C. BAMFORD EXCAVATORS LIMITED Address of Applicant: Lakeside Works, Rocester, Uttoxeter, Staffordshire, ST14 5JP, United Kingdom U.K.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)HARPER, Lee
(87) International Publication No	:NA	1)HARPER, Lee
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A method of operating a material handling machine having a material handling implement moveable relative to a chassis of the machine, the method including the steps of a) positioning the material handling implement in a first position of a first region, b) moving the material handling implement to a second region, c) providing a control system to automatically return the material handling implement to the first region by positioning it at a second position of the first region different to the first position of the first region, d) returning the material handling implement to the second region.

No. of Pages: 16 No. of Claims: 18

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: DRIFTING SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:1411202.3 :24/06/2014 :U.K. :NA	Address of Applicant :Hauptstr. 2, 2630 Ternitz, Austria Austria
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)RASTEGAR, Gholam Hossein
Filing Date	:NA	

(57) Abstract:

Disclosed is a drifting system (300) comprising a drifting element (100) having a wall (114) defining a through flow passage (102) extending in an axial direction (104) of the drifting element and a catcher sub having a through hole. In accordance with embodiment of the herein disclosed subject matter the catcher sub has a seat for receiving the drifting element (100) in the through hole. The through flow passage (102) of the drifting element (100) has a first cross section of flow (106) in a first axial region (108) of the drifting element (100) and has a second, smaller cross section of flow (110) in a second axial region (112) of the drifting element (100) located downstream the first axial region (108). Further, the wall (114) of the drifting element (100) has a lateral outlet (116) extending from the through flow passage (102) in the second axial region (112) and/or from the through flow passage (102) at a location upstream the second axial region (112) through the wall.

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

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: HYBRID NOISE INSULATING STRUCTURES AND APPLICATIONS THEREOF

 (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 	:G10K 11/16 :102012018368.2 :18/09/2012 :Germany :PCT/IB2013/058598 :17/09/2013 :WO 2014/045189 :NA :NA	(71)Name of Applicant: 1)LUNGU Cornelius Address of Applicant: Rb½hlstr. 11 77830 B¼hlertal Germany (72)Name of Inventor: 1)LUNGU Cornelius 2)FENICHIU, Alexandru
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to structures that are made of hard materials similar to a skeleton which are embedded in softer materials (e.g. elastomer). Not only can the sound transmission be greatly limited thereby but also other functional advantages can be achieved thereby such as the reduction of the number of parts because formations can be produced from the embedding material such as seals cable passages membranes and elastic suspension elements etc. A special variant of said structures is the light anti humming layer having a thickness of approx. 1 mm which greatly reduces humming noises for example when adhesively bonded to a car door.

No. of Pages: 25 No. of Claims: 27

(21) Application No.2005/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : TREATMENT OF TOUGH INORGANIC FIBERS AND THEIR USE IN A MOUNTING MAT FOR EXHAUST GAS TREATMENT DEVICE

 (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 	:D04H3/08, D04H3/002 :61/721991 :02/11/2012 :U.S.A. :PCT/IB2013/059847 :01/11/2013 :WO 2014/068528 :NA :NA	(71)Name of Applicant: 1)UNIFRAX I LLC Address of Applicant:600 Riverwalk Parkway Suite 120 Tonawanda New York 14150 U.S.A. (72)Name of Inventor: 1)WEEKS Kelvin 2)KELSALL Adam
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A method of treating tough inorganic fiber bundles including opening a plurality of the tough inorganic fiber bundles such that tough inorganic fibers can be dispersed in a liquid slurry to lay down a homogenous fiber aggregate wherein the tough inorganic fibers have a crush settle volume of greater than 250 ml optionally greater than 450 ml. Also a method of treating tough inorganic fiber bundles including dispersing a plurality of the tough inorganic fiber bundles in a slurry with a dilution of about 0.1% to about 2% optionally about 0.1% to about 1% effective to lay down a homogenous fiber aggregate wherein the tough inorganic fibers have a crush settle volume of greater than 250 ml optionally greater than 450 ml.

No. of Pages: 30 No. of Claims: 15

(21) Application No.2053/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PRISMATIC CORRECTING LENS

 (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 	:G02B 27/01 :1218436.2 :15/10/2012 :U.K. :PCT/GB2013/052682 :15/10/2013 :WO 2014/060736 :NA :NA	(71)Name of Applicant: 1)BAE SYSTEMS PLC Address of Applicant: 6 Carlton Gardens London SW1Y 5AD U.K. (72)Name of Inventor: 1)LAYCOCK Leslie Charles 2)STACE Christopher
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The following invention relates to an improved correcting lens (5) for head up displays (HUDs) (9) particularly to Liquid Crystal Display modules (3) for use with a Head Up Display (HUD) device. The correcting lens is preferably selected from a compound prismatic lens wherein the lens may be either a positive or negative lens in optical connection with a prism provided that the two optics have different dispersion functions.

No. of Pages: 16 No. of Claims: 15

(21) Application No.2125/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: ELECTRONIC MEDIA CONTENT GUIDE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 		(71)Name of Applicant: 1)FUNKE DIGITAL TV GUIDE GMBH Address of Applicant: Schiffbauerdamm 22 10117 Berlin Germany (72)Name of Inventor: 1) SCHINDLED Inc.
•		11
1 .	:PCT/EP2013/068037 :30/08/2013 :WO 2014/033284 :NA :NA :NA	

(57) Abstract:

An Electronic media content guide is disclosed comprising a data interface configured for receiving content information data from a plurality of media content sources (40) a graphical interface generator (14) configured for generating a graphical user interface for displaying information about media content sources and media content items a user input interface configured for receiving user inputs and a media storage and play back controller. The graphical interface generator is configured to generate a representation of media content sources comprising at least one real media content source and at least one virtual media content source. The graphical interface generator is further con figured to generate a representation of a plurality of media content items of the at least one real media content source and a representation of a plurality of media content items of the at least one virtual media content source. The graphical interface generator is further configured to respond to an individual user input that determines at least one theme and to generate a theme oriented representation of media content item information and a respective theme oriented virtual media source according to the individual user input.

No. of Pages: 69 No. of Claims: 15

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: PROTECTION APPARATUS OF VEHICULAR CATALYST

(51) International classification	:F02M33/02	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)Suzuki Motor Corporation
(51) Thomas Bocament 110	165173	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:08/08/2013	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SUEHIRO, Kazumasa
Filing Date	:NA	
(87) International Publication 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 protection apparatus of a vehicular catalyst. A catalyst is configured to purify exhaust gas discharged from an engine. Fuel remaining amount detection means detects a fuel remaining amount in a fuel tank. Notifying means performs a notification that the fuel remaining amount is equal to or less than a predetermined value, when the fuel remaining amount detected by the fuel remaining amount detection means is equal to or less than the predetermined value. Ignition timing control means controls an ignition timing of the engine. The ignition timing control means executes an advance control of advancing the ignition timing as compared to normal time, when the notifying means performs the notification.

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

(21) Application No.10970/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :22/12/2014 (43) Publication Date : 29/04/2016

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

 (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 	:18/06/2013 :WO 2014/002821 :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)NAKAGAMI Ohji
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present disclosures pertain to an image processing device and method that enable a reduction in the amount of coding during encoding and decoding. A type setting unit uses post deblocking pixel values to in LCU units set the type of a filter that is common to Y Cb and Cr components and supplies the result to a syntax write unit. An offset setting unit uses the post deblocking pixel values to set an offset that is independent for each of the Y Cb and Cr components in LCU units. An SAO control information setting unit supplies to the syntax write unit an offset or a merge flag that is set having referred to the offset from the offset setting unit. The present disclosures can for example be applied to an image processing device.

No. of Pages: 150 No. of Claims: 15

(21) Application No.1440/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: POWER CONVERTER

 (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 	:2014- 121033	(71)Name of Applicant: 1)Hitachi, Ltd. Address of Applicant:6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280, Japan Japan (72)Name of Inventor: 1)ABE Yusuke 2)ITO Tomomichi 3)TANIGUCHI Masahiro
(62) Divisional to Application Number Filing Date	:NA :NA	
		-

(57) Abstract:

A power converter with a simple configuration capable of controlling a rush current is provided. The power converter is installed between an electric power system and a power storage device, includes a harmonic filter in an AC circuit on the electric power system side and a DC capacitor and a DC breaker in a DC circuit on the power storage device side, and performs AC/DC conversion processing using an inverter. The power converter is configured in such a way that, when the power storage device starts running, a current limited by a limiting resistor is given from the electric power system side to the DC capacitor, the difference between the voltage of the DC capacitor and the voltage of the power storage device is monitored, and the power converter is connected to the power storage device by switching on the DC breaker on the basis of the difference.

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

(22) Date of filing of Application :09/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: METHOD AND SYSTEM FOR LASER HARDENING OF A SURFACE OF A WORKPIECE

 (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 	:C21D1/09 :12382343.7 :06/09/2012 :EPO :PCT/EP2013/067949 :29/08/2013 :WO 2014/037281 :NA :NA :NA	(71)Name of Applicant: 1)ETXE TAR S.A. Address of Applicant:San Antolin 3 E 20870 Elg³ibar (Guip°zcoa) Spain (72)Name of Inventor: 1)GABILONDO Amaia 2)DOM • NGUEZ Jes°s 3)SORIANO Carlos 4)OCA'A Jos Luis
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(57) Abstract:

Method of laser hardening of a surface area of a workpiece such as a surface of a journal of a crankshaft comprising: generating a relative movement between the surface of the workpiece and a laser source to allow a laser spot to subsequently be projected onto different portions of said surface area and during said relative movement repetitively scanning the laser beam (2) so as to produce a two dimensional equivalent effective laser spot (5) on said surface area. The energy distribution of the effective laser spot is adapted so that it is different in a more heat sensitive subarea such as in an area adjacent to an oil lubrication opening than in a less heat sensitive subarea so as to prevent overheating of said more heat sensitive subarea.

No. of Pages: 117 No. of Claims: 86

(21) Application No.2190/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: USE OF MODIFIED SUGAR CANE BAGASSE AS DEPRESSOR IN IRON ORE FLOTATION

 (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 	:B03D 1/016 :61/696710 :04/09/2012 :U.S.A. :PCT/BR2013/000344 :04/09/2013 :WO 2014/036621 :NA :NA	(71)Name of Applicant: 1)VALE S.A. Address of Applicant: Av. Gra§a Aranha 26 Centro 20030 000 Rio de Janeiro RJ Brazil (72)Name of Inventor: 1)SILVA Marclio do Carmo 2)DA SILVA Cezar Gon§alves 3)OLIVEIRA Fl;via Alice Monteiro da Silva 4)MIQUELANTI Elismar
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(57) Abstract:

The patent application describes a depressor in iron ore flotation that comprises sugar cane bagasse treated with caustic soda so as to assist in the iron ore flotation and a process of preparing that depressor. The invention refers to the use of sugar cane bagasse treated with caustic soda as a depressor in iron ore flotation. The use of this depressor shows adequate performance for the function it serves.

No. of Pages: 30 No. of Claims: 13

(21) Application No.2191/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: LIQUID DRUG TRANSFER DEVICES

(51) International classification	:A61J 1/20	(71)Name of Applicant :
(31) Priority Document No	:221634	1)MEDIMOP MEDICAL PROJECTS LTD
(32) Priority Date	:26/08/2012	Address of Applicant :17 Hatidhar Street POBox 2499 43665
(33) Name of priority country	:Israel	Raanana Israel
(86) International Application No	:PCT/IL2013/050706	(72)Name of Inventor:
Filing Date	:20/08/2013	1)LEV Nimrod
(87) International Publication No	:WO 2014/033706	2)BEN SHALOM Niv
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Liquid drug transfer devices with universal drug vial adapters for use with a drug vial of a small drug vial and a large drug vial. Some universal drug vial adapters employ the same generally opposite upright flex members for clamping a small drug vial and a large drug vial. Other universal drug vial adapters include a set of minor flex members for clamping a small drug vial and a set of major flex members encircling the set of minor flex members for clamping a large drug vial whereupon the large drug vial underlies the set of minor flex members. Liquid drug transfer devices with a universal injection port connector for attachment on an injection port of an infusion bag.

No. of Pages: 54 No. of Claims: 14

(22) Date of filing of Application :08/07/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: SELF-CHECKOUT MANAGEMENT SYSTEM FOR UNATTENDED SUPERMARKET

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(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JanardanRai Nagar Rajasthan Vidyapeeth (deemed)
(32) Priority Date	:NA	University
(33) Name of priority country	:NA	Address of Applicant :Janardan Rai Nagar Rajasthan
(86) International Application No	:NA	Vidyapeeth (deemed) University Pratap Nagar, Udaipur,
Filing Date	:NA	Rajasthan-313001 Rajasthan India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Bharat Sukhwal
Filing Date	:NA	2)Dr. Neeru Rathore
(62) Divisional to Application Number	:NA	3)Dr. Hina Khan
Filing Date	:NA	

#### (57) Abstract:

Present invention provides a checkout management system for an unattended supermarket, which comprises a central control platform, self-checkout terminals and a bank system. The checkout management system is characterized in that: the central control platform comprises a data server and a communication server, and is used for checkout management tasks; the communication server is connected with theself-checkout terminals through a wireless network, and is also connected with a monitoring system used for monitoring commodity violating unpacking and non-checkout violating leaving; and the bank system is connected with the communication server through a cable network to realize information interaction between the self-checkout terminals and the bank system and perform remote control management on the self-checkout terminals. The checkout management system for the unattended supermarket can effectively manage the supermarket, reduce labor cost, provide a convenient shopping channel for consumers, and is safe and highly-efficient.

No. of Pages: 11 No. of Claims: 4

(21) Application No.1884/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PUMP 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 Filing Date</li> </ul>	:F04C11/00 :201410295267.8 :26/06/2014 :China :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GmbH  Address of Applicant: Postfach 30 02 20, 70442 Stuttgart,  Germany Germany  (72)Name of Inventor:  1)LI, Jianhui
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#### (57) Abstract:

The invention discloses a pump assembly comprising a pump casing and low and high pressure portions disposed in the pump casing. A fluid passage is disposed between the low and high pressure portions via which the fuel leaked from the low pressure portion can be directed to the high pressure portion. By means of this configuration, the high pressure portion which has a high temperature can be cooled by the fuel leaked from the low pressure portion and having a low temperature.

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

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A MULTI-LAYER EXPLODING FOIL AND MULTIPLE FLYER BASED SLAPPER DETONATOR

		(71) Nome of Applicant
		(71)Name of Applicant :   1)DIRECTOR GENERAL, DEFENCE RESEARCH &
(71) T	:F42B	DEVELOPMENT ORGANISATION
(51) International classification	3/00	Address of Applicant :Ministry of Defence, Govt of India,
(31) Priority Document No	:NA	Room No. 348, B Wing, DRDO Bhawan, Rajaji Marg, New
(32) Priority Date	:NA	Delhi 110105, India; Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)BALKISHAN, Pal Dinesh Kumar
Filing Date	:NA	2)GUPTA, Shallu
(87) International Publication No	: NA	3)KAUR, Jatinder
(61) Patent of Addition to Application Number	:NA	4)Hanuman
Filing Date	:NA	5)GUPTA, Pushpa
(62) Divisional to Application Number	:NA	6)SOOD, Sumedha
Filing Date	:NA	7)SHARMA, Sandeep
		8)RAYCHAUDHURI, Tushar Kanti
		9)SINGH, Manjit

#### (57) Abstract:

The invention relates to a multi-layer exploding foil and multi flyer based slapper detonator comprising (a) a squib comprising a multiple layered exploding foil etched on a printed circuit board (PCB) substrate, the foil being capable of vaporizing into plasma generating shock waves on receiving electrical energy; (b) a multiplicity of flyers, disposed spatially proximal to the exploding foil, being configured to be propelled on receiving the shock waves from the exploding foil; (c) a high alumina ceramic barrel on top of the aluminium flyer configured to cause smooth and even cutting of both the flyers on on receiving the shock waves from the exploding foil thereby freeing flyers to be propelled; (d) a ceramic holder configured to facilitate assembly of the squib with said multiplicity of flyers and the barrel; (e) a HNS-IV(2, 2', 4,4',6,6' Hexanitrostilbene) explosive pellet, contained in stainless steel tube and placed on the top of the barrel, the explosive pellet being capable of detonation on receiving impact of the propelled flyers; and (f) a nickle enclosure for enclosing and sealing the said exploding foil, flyers, barrel and HNS-IV pellet.

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

(22) Date of filing of Application :24/01/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A MEDICAL DISPENSING DEVICE

(51) International classification	:G06Q10/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Chitkara University
(32) Priority Date	:NA	Address of Applicant : Chitkara University, Chandigarh Patiala
(33) Name of priority country	:NA	National Highway (NH-64), Tehsil Rajpura, Distt. Patiala, Punjab,
(86) International Application No	:NA	India Punjab India
Filing Date	:NA	2)Sahil Paul Mamman
(87) International Publication No	: NA	3)Meenu Khurana
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Chitkara University
(62) Divisional to Application Number	:NA	2)Sahil Paul Mamman
Filing Date	:NA	3)Meenu Khurana

#### (57) Abstract:

The present invention is a cost effective medical dispensing device which can dispense OTC medicine /first aid products/ hygiene products to the common man whenever and wherever required as this machine can be implanted anywhere. This device comprises essentially of motor operated coil mechanism for dispensing drug/first aid product consists of complete vending assembly 1 and complete vending assembly 2 to dispense the product. The system uses communication network such as internet not only for retrieval of data form database but also to get information about new or latest viral, infection and diseases registered worldwide or locally and also provide safety steps and precautions to be safe from these in audio / visual form.

No. of Pages: 34 No. of Claims: 13

(22) Date of filing of Application :20/06/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: WOUND STATOR FOR ALTERNATING-CURRENT 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> </ul>	:103122779 :01/07/2014 :Taiwan :NA :NA	Address of Applicant :NO. 20, LANE 421, FUDE 1ST ROAD, XIZHI DIST., NEW TAIPEI CITY 22149, TAIWAN, R.O.C. Taiwan (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	1)WANG, CHUN-YUAN 2)LIOU, MING-LAANG
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a wound stator. The wound stator comprises: a stator and a plurality of wires. The stator comprises: an annular body and a plurality of radial grooves defined therein. The annular body has a plurality of separating posts protruding inwardly and radially from an inner circumference of the annular body. An end of each of the separating posts extends from its two sides to form a plurality of magnetic shoes. The plurality of radial grooves is defined between the separating posts. Each of the grooves has an opening defined between adjacent two of the plurality of magnetic shoes. The plurality of wires comprises: a first end, a second end, and a plurality of wave-shaped coils located between the first end and second end. Each wave-shaped coil is formed of straight portions and curved portions that alternate with each other.

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

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ELECTRICAL SWITCH TERMINAL BLOCK 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>	:103212411 :11/07/2014 :Taiwan :NA :NA :NA :NA	(71)Name of Applicant: 1)SWITCHLAB INC. Address of Applicant:8F., No.66, Zhongzheng Rd., Xinzhuang Dist., New Taipei City 24243, Taiwan, R.O.C. Taiwan 2)Switchlab (Shanghai) Co., Ltd. (72)Name of Inventor: 1)Chih-Yuan WU 2)Wen Bing HSU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An electrical switch terminal block structure for guiding a 5 pushbutton of a power switch to smoothly operate. The terminal block includes a case. At least one contact terminal and a guide channel are disposed in the case. A pushbutton is slidably disposed in the guide channel. A conductive member is arranged between a bottom of the guide channel and the pushbutton. The pushbutton is guidable 10 by the guide channel to push the conductive member along a displacement axis, whereby the conductive member is in separable contact with the contact terminal. A second elastic member is positioned between the bottom of the guide channel and the pushbutton. The second elastic member has an extension/compression 15 path coaxial with the displacement axis of the pushbutton, whereby the pushbutton can be coaxially driven to smoothly operate.

No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :09/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: IMAGING ASSEMBLY FOR SCANNER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:29/08/2013 :WO 2014/036220 :NA :NA :NA	(71)Name of Applicant: 1)OPEX CORPORATION Address of Applicant:305 Commerce Drive Moorestown NJ 08057 4234 U.S.A. (72)Name of Inventor: 1)OMARA Kerry 2)HELMLINGER David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for processing document to scan the documents to obtain optical image data representing the document is provided. The system (10) includes elements that reduce or eliminate the effects of debris that can create streaks in the scanned images. One element is a recess (174) in the lens (170) through which an imaging device (60) scans the document. Another element is a guide (80) having an opening (84) opposing the lens (70 170) of the imaging device (60). The opening (84) reduces or eliminates light reflecting off the guide back to the imaging device so that the area around the document is scanned as black.

No. of Pages: 29 No. of Claims: 40

(21) Application No.2214/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/03/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR EXCHANGING INFORMATION BETWEEN COMMUNICATION TERMINALS AND COMMUNICATION 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</li> </ul>	:H04W 40/24 :2012224131 :09/10/2012 :Japan :PCT/JP2013/003721 :13/06/2013 :WO 2014/057595 :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)UEDA Hirofumi 2)FUJITA Norihito
Filing Date	:NA	

#### (57) Abstract:

Upon sensing an update of any routing information entry held in a routing information storage unit (A104) an information exchange coordination unit (A105) references a node information storage unit (A102) and if a node information entry corresponding to the updated routing information entry does not exist acquires the corresponding node information entry from another communication terminal (A1b). Alternatively upon sensing an update of any node information entry held in the node information storage unit (A102) the information exchange coordination unit (A105) references the routing information storage unit (A104) and if a routing information entry corresponding to the updated node information entry does not exist acquires the corresponding routing information entry from another communication terminal (A1b). This provides a communication terminal for acquiring both the node information entry and the routing information entry relating to a specific communication terminal substantially at the same time.

No. of Pages: 113 No. of Claims: 10

(22) Date of filing of Application :11/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A PHOTOCHROMIC ARTICLE HAVING TWO AT LEAST PARTIALLY CROSSED PHOTOCHROMIC DICHROIC LAYERS

· /	Florida 33782 U.S.A. (72)Name of Inventor:
(87) International Publication No :WO 2014/04 (61) Patent of Addition to Application	43023 2)PARK David 3)KUMAR Anil
Number :NA :NA :NA	4)WILT Truman 5)FOLLER Peter C.
(62) Divisional to Application Number :NA Filing Date :NA	6)SHAO Jiping

#### (57) Abstract:

Photochromic dichroic articles are provided which include a substrate a first photochromic dichroic layer over the substrate and a second photochromic dichroic layer over the first photochromic dichroic layer. The first photochromic dichroic layer includes a first photochromic dichroic compound that is laterally aligned within the first photochromic dichroic layer and which defines a first polarization axis of the first photochromic dichroic layer. The second photochromic dichroic layer includes a second photochromic dichroic compound that is laterally aligned within the second photochromic dichroic layer and which defines a second polarization axis of the second photochromic dichroic layer. The first polarization axis and the second polarization axis are oriented relative to each other at an angle of greater than 0° and less than or equal to 90°. The photochromic dichroic articles can provide for example a combination of increased optical density and increased kinetics when exposed to a given amount of actinic radiation.

No. of Pages: 101 No. of Claims: 29

(22) Date of filing of Application :21/09/2009 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR LIGHT COLLECTION AND LIGHT ENERGY CONVERTING APPARATUS

(51) International classification :H01L3 (31) Priority Document No :971372 (32) Priority Date :26/09/2 (33) Name of priority country :Taiwan (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	Address of Applicant :No. 195 Sec. 4 Chung Hsing Rd.
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#### (57) Abstract:

A light collection system including a light concentrating device and a reflective curving-surface device is provided. The light concentrating device receives at least a portion of an incident light and forwardly emits the portion of the incident light after concentrating and passing it through a first focal region, so as to obtain a first-stage output light. The reflective curving-surface device has an entrance aperture for receiving the first-stage output light. The reflective curving-surface device includes a reflective inner curving surface, and at least a portion of the reflective inner curving surface has a second focal region.

No. of Pages: 54 No. of Claims: 51

(21) Application No.1956/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :21/09/2009 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INNER-ROTOR-TYPE HEAT DISSIPATING 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> </ul>	:97136470 :23/09/2008 :Taiwan :NA :NA :NA :NA	(71)Name of Applicant: 1)SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO. LTD. Address of Applicant: 12F-1 No. 120 Chung-Cheng 1st Rd. Lingya Dist. Kaohsiung Taiwan R.O.C. Taiwan (72)Name of Inventor: 1)Alex HORNG 2)Tso-Kuo YIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An inner-rotor-type heat dissipating fan comprises a fan housing, a seal casing, an inner-rotor-type motor, an impeller and a circuit board. The fan housing includes an outer frame portion and a motor casing. The seal casing is a hollow housing made of magnetically conductive material.

No. of Pages: 29 No. of Claims: 8

(21) Application No.2212/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FEED NOZZLE ASSEMBLY FOR A CATALYTIC CRACKING REACTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:22/10/2013 :WO 2014/064109 :NA :NA	(71)Name of Applicant:  1)SHELL INTERNATIONALE RESEARCH  MAATSCHAPPIJ B.V.  Address of Applicant: Carel van Bylandtlaan 30 NL 2596 HR  The Hague Netherlands (72)Name of Inventor:  1)BROSTEN David Jon 2)CHEN Ye Mon
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Reactor vessel and a feed nozzle assembly (1) for feeding a gas and a liquid into such reactor vessel. The feed nozzle assembly comprises an outer tube (3) supplying a first liquid feed such as oil an inner tube (2) supplying a dispersion gas such as steam a third tube (23) supplying a second liquid feed such as biomass and a nozzle end. A catalytic cracking process wherein two or more hydrocarbon liquids are jointly dispersed into a dispersion gas and jetted via the same feed nozzle assembly (1) into a catalytic cracking reactor (30).

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

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD AND SYSTEM FOR PROCESSING COUPONS IN A NEAR FIELD TRANSACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06Q30/00 :13/622640 :19/09/2012 :U.S.A. :PCT/US2013/058925 :10/09/2013 :WO 2014/046910 :NA :NA :NA	(71)Name of Applicant:  1)MASTERCARD INTERNATIONAL INCORPORATED Address of Applicant: 2000 Purchase Street Purchase New York 10577 U.S.A. (72)Name of Inventor: 1)WU Wilianto
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#### (57) Abstract:

A method for processing a coupon in a near field transaction includes: receiving by near field communication payment details and a coupon record; identifying if the coupon record is valid by comparing the coupon record to a stored configuration profile; modifying the transaction amount for the transaction based on a modifier in the coupon record; and submitting an authorization request for the transaction with the modified transaction amount and the received payment details. A method for applying a coupon in a near field transaction includes: storing payment details in a contactless application; receiving coupon data and coupon details for the coupon; displaying the coupon details to a user; receiving an indication of selection of the coupon by the user; storing the coupon data in the contactless application; and transmitting by near field communication the payment details and coupon data in the contactless application for use in a financial transaction.

No. of Pages: 51 No. of Claims: 26

(21) Application No.2103/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : GREASE COMPOSITION FOR CONSTANT VELOCITY JOINTS AND CONSTANT VELOCITY JOINT IN WHICH GREASE COMPOSITION FOR CONSTANT VELOCITY JOINTS IS SEALED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C10M129/74, :2012187640 :28/08/2012 :Japan :PCT/JP2013/072830 :27/08/2013 :WO 2014/034647 :NA	(72)Name of Inventor: 1)TAKABE Shinichi 2)ARAI Takashi 3)SAKAMOTO Kiyomi
Number Filing Date		3)SAKAMOTO Kiyomi 4)KUROSAWA Osamu
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a grease composition for constant velocity joints which contains: a lubricant base oil; at least one thickening agent that is selected from among urea thickening agents urethane thickening agents and urea/urethane thickening agents; an organic molybdenum; zinc dithiophosphate; a polysulfide; and triglyceride. The content of the organic molybdenum is 1 000 5 000 ppm by mass in terms of molybdenum element based on the total mass of the grease composition. This grease composition is capable of exhibiting sufficient characteristics even in cases where the amount of an additive such as molybdenum disulfide is reduced.

No. of Pages: 33 No. of Claims: 6

(21) Application No.2167/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : LAMP SYSTEM HAVING PARABOLIC REFLECTOR WITH TWO REFLECTIONS FOR RECYCLING LIGHT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F21V 7/06 :61/702451 :18/09/2012 :U.S.A. :PCT/US2013/032127 :15/03/2013 :WO 2014/046736 :NA :NA	(71)Name of Applicant: 1)WAVIEN INC. Address of Applicant:29023 The Old Road Valencia CA 91355 U.S.A. (72)Name of Inventor: 1)LI Kenneth
- 1 01 0		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A lamp system comprises a light source and a parabolic reflecting collar positioned around the light source and having an aperture through which a center axis extends. The aperture permits light rays emitted by the light source at low angles relative to the axis to be emitted from the parabolic reflecting collar while light rays emitted by said light source at higher angles are reflected by the collar for recycling. The parabolic reflecting collar is positioned such that higher angle light rays are reflected twice off opposing wall reflecting portions back to their point of origin. Preferably the light source is an array of multiple LEDs having different colors and sizes.

No. of Pages: 18 No. of Claims: 8

(22) Date of filing of Application: 18/03/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention : A SYSTEM AND A METHOD FOR DATA COLLECTION AND MONITORING OF A DEFINED SPACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 10/00 :NA :NA :NA :NA :PCT/SE2012/050929 :31/08/2012 :WO 2014/035308 :NA :NA :NA	(71)Name of Applicant:  1)SCA HYGIENE PRODUCTS AB Address of Applicant: S 405 03 Gteborg Sweden (72)Name of Inventor: 1)HIMMELMANN Gunilla 2)KLING Robert 3)LISSMATS Johan 4)WASS Andreas 5)L,RFARS Erik
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#### (57) Abstract:

The invention relates to a data collection and monitoring system for a defined space (1) within a public or commercial facility comprising: a plurality of sensors (5a 7a 9a 10a 11) of which at least one sensor (5a 7a 9a) is arranged for monitoring the level of a consumable in connection with said space (1); and a data collecting unit (12) arranged for wirelessly communicating with said sensors (5a 7a 9a 10a 11) and furthermore arranged for communicating with a central server (14) associated with a storage medium (15). The storage medium (15) is adapted for storing and monitoring data related to said space (1). The invention is arranged so that said data collecting unit (12) is arranged for minimizing the amount of data transmitted by transferring data from said sensors (5a 7a 9a 10a 11) to said central server (14) upon a status change of at least one of said sensors (5a 7a 9a 10a 11).

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

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A DATA COLLECTION AND MONITORING 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>	:G06Q 10/08 :NA :NA :NA :PCT/SE2012/050928 :31/08/2012 :WO 2014/035307 :NA :NA	(71)Name of Applicant:  1)SCA HYGIENE PRODUCTS AB Address of Applicant: S 405 03 Gteborg Sweden (72)Name of Inventor:  1)HIMMELMANN Gunilla 2)CARNEY Joshua
Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a data collection and monitoring system for at least one defined space (1) within a public or commercial facility comprising: a plurality of sensors (5a 7a 9a 10a 11) each monitoring a predetermined parameter; and a data collecting unit (12) arranged for communicating with said sensors (5a 7a 9a a 11) within a range (r) of communication which corresponds to the extent of said defined space (1) with at least one mobile device (17) for a user (16) and with a central server (14) which is associated with a storage medium (15). The storage medium (15) is adapted for storing and monitoring data related to said sensors (5a 10 7a 9a 10a 11). According to the invention said data collecting unit (12) is arranged for forwarding data relating to the sensors (5a 7a 9a 10a 11) to the mobile device (4) when the mobile device (17) enters said space (1).

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

(21) Application No.2027/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR DETERMINING THE PHASE CURRENTS OF AN ELECTRIC MACHINE HAVING A CURRENT 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> <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>	:G01R 19/00 :10 2012 217 116.9 :24/09/2012 :Germany :PCT/EP2013/068216 :04/09/2013 :WO 2014/044526 :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)ROESNER Julian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for determining the phase currents of an electric machine having a current converter (20) and a stator having a phase count of four or more wherein the phase currents of a measurement quantity of measurement phases which is at least two and is less than the phase count by at least two are measured and the phase currents of the remaining phases are determined computationally from the measured phases currents wherein at least the measured phase currents a spatial angle of the measurement phases and a spatial angle of the remaining phases are used for the computational determination.

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

(21) Application No.2028/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ELECTRO-ACOUSTIC TRANSDUCER

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(51) International classification	:H04R	(71)Name of Applicant :
(61) International Glassification	19/01	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	:10-2014-	Address of Applicant :129, Samsung-ro, Yeongtong-gu,
(31) Thomas Document No	0011738	Suwon-si, Gyeonggi-do, 443-742, Republic of Korea. Republic of
(32) Priority Date	:29/01/2014	Korea
(22) Name of maiority assument	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)Sung-chan KANG
(86) International Application No	:NA	2)Dong-kyun KIM
Filing Date	:NA	3)Sang-ha PARK
(87) International Publication No	: NA	4)Jong-seok KIM
(61) Patent of Addition to Application Number	:NA	5)Yong-seop YOON
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An electro-acoustic transducer includes a plurality of elements, in which each of the plurality of elements includes a plurality of cells and at least one of the plurality of cells includes a trench that is formed in a membrane.

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

(22) Date of filing of Application :12/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD AND COMPOSITIONS FOR CELLULAR IMMUNOTHERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K 16/28 :61/691117 :20/08/2012 :U.S.A. :PCT/US2013/055862 :20/08/2013 :WO 2014/031687 :NA :NA	CHILDRENS RESEARCH INSTITUTE (72)Name of Inventor: 1)JENSEN Michael 2)RIDDELL Stanley R.
		· ·
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides nucleic acids vectors host cells methods and compositions to confer and/or augment immune responses mediated by cellular immunotherapy such as by adoptively transferring CD8+ central memory T cells or combinations of central memory T cells with CD4+ T cells that are genetically modified to express a chimeric receptor. In embodiments the genetically modified host cell comprises a nucleic acid comprising a polynucleotide coding for a ligand binding domain a polynucleotide comprising a customized spacer region a polynucleotide comprising a transmembrane domain and a polynucleotide comprising an intracellular signaling domain. It has been surprisingly found that the length of the spacer region can affects the ability of chimeric receptor modified T cells to recognize target cells in vitro and affects in vivo efficacy of the chimeric receptor modified T cells. Pharmaceutical formulations produced by the method and methods of using the same are also described.

No. of Pages: 161 No. of Claims: 35

(21) Application No.2184/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: NOVEL EXTRACTS OF *CYNARA SCOLYMUS COFFEA SPP*. AND *OLEA EUROPAEA* FOR THE TREATMENT OF METABOLIC SYNDROME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K36/28 :MI2012A001570 :20/09/2012 :Italy :PCT/EP2013/069455 :19/09/2013 :WO 2014/044744 :NA :NA :NA	(71)Name of Applicant:  1)INDENA S.P.A.  Address of Applicant: Viale Ortles 12 I 20139 Milano Italy (72)Name of Inventor:  1)BOMBARDELLI Ezio 2)CORTI Fabrizio
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#### (57) Abstract:

Disclosed is a composition comprising: a. extract having a caffeoylquinic acid content ranging from 30 to 45% by weight a flavonoid content ranging from 8 to 16% by weight and a cynaropicrin content ranging from 10 to 18% by weight; b. extract containing between 40% and 80% by weight of caffeoylquinic acids; c. extract containing between 30% and 40% polyphenols with a verbascoside content exceeding 5% and a hydroxytyrosol content exceeding 1.5%.

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

(22) Date of filing of Application: 19/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: CONTINUOUS CASTING OF MATERIALS USING PRESSURE DIFFERENTIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B22D23/00 :13/629696 :28/09/2012 :U.S.A. :PCT/US2013/058116 :05/09/2013 :WO 2014/051945 :NA	(71)Name of Applicant:  1)ATI PROPERTIES INC.  Address of Applicant: 1600 N.E. Old Salem Road, Albany, Oregon 97321 U.S.A. (72)Name of Inventor:  1)ARNOLD, Matthew J.;
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for continuous casting. The system includes a melt chamber, a withdrawal chamber, and a secondary chamber therebetween. The melt chamber can maintain a melting pressure and the withdrawal chamber can attain atmospheric pressure. The secondary chamber can include regions that can be adjusted to different pressures. During continuous casting operations the first region adjacent to the melt chamber can be adjusted to a pressure that is at least slightly greater than the melting pressure; the pressure in subsequent regions can be sequentially decreased and then sequentially increased. The pressure in the final region can be at least slightly greater than atmospheric pressure. The differential pressures can form a dynamic airlock between the melt chamber and the withdrawal chamber, which can prevent infiltration of the melt chamber by non- inert gas in the atmosphere, and thus can prevent contamination of reactive materials in the melt chamber.

No. of Pages: 51 No. of Claims: 25

(21) Application No.1945/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: OPERATOR COMPARTMENT 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</li> </ul>	:B62D49/00 :1412209.7 :09/07/2014 :U.K. :NA :NA : NA : NA	(71)Name of Applicant:  1)J.C. BAMFORD EXCAVATORS LIMITED  Address of Applicant: Lakeside Works, Rocester, Uttoxeter, Staffordshire, ST14 5JP, United Kingdom U.K. (72)Name of Inventor:  1)BURGESS, Jason 2)PRINCE, Mark 3)KNOWLES, Chris
Filing Date	:NA	3)KNOWLES, Chris
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides an operator compartment structure (10) for a working machine (1). The compartment structure (10) comprises a roof (12) having an inner surface (22) and an outer surface (24), and a floor (14) spaced apart from the roof (12). A first section (30) of the inner surface (22) of the roof (12) is orientated at an angle to the floor (14).

No. of Pages: 38 No. of Claims: 33

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONTACT LENSES WITH EMBEDDED LABELS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B32B43/00 :13/950,389 :25/07/2013 :U.S.A. :NA :NA	Address of Applicant :7500 Centurion Parkway, Jacksonville, Florida 32256, USA U.S.A. (72)Name of Inventor:  1)NELSON V. TABIRIAN 2)RAFAEL VERGARA TOLOZA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)RUSSELL T. SPAULDING
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An ophthalmic lens incorporating clearly identifiable, highly visible embedded labels that are not visible to the wearer or others when placed on the eye may be utilized to allow an individual to easily distinguish between the normal state of the lens and the inverted state of the lens as well as serve any number of functions, including acting as a brand label, a prescription label or as a cosmetic enhancer. The embedded label comprises holographic recordings revealed only in transmitted light.

No. of Pages: 42 No. of Claims: 13

(21) Application No.2065/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: FUEL INJECTION VALVE

(51) International classification	:F02M57/06	(71)Name of Applicant:
(31) Priority Document No	:2013056740	1)HITACHI AUTOMOTIVE SYSTEMS LTD.
(32) Priority Date	:19/03/2013	Address of Applicant :2520 Takaba Hitachinaka shi Ibaraki
(33) Name of priority country	:Japan	3128503 Japan
(86) International Application No	:PCT/JP2014/054799	(72)Name of Inventor:
Filing Date	:27/02/2014	1)OHNO Hiroshi
(87) International Publication No	:WO 2014/148218	2)KOBAYASHI Nobuaki
(61) Patent of Addition to Application	:NA	3)SAITO Takahiro
Number		4)NAKAI Atsushi
Filing Date	:NA	5)OKAMOTO Yoshio
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

According to the present invention the cross sectional shape of a corner part between a side surface part and a bottom part of a communication passage is a curved shape; when a swirl creating chamber is viewed from an axial direction the side surface part of the communication passage on a side where the swirl creating chamber bulges is a first side surface part and the side surface part of the communication passage on the opposite side of where the swirl creating chamber bulges is a second side surface part; and the communication passage is formed so that a radius r1 is greater than a radius r2 r1 being the radius of the cross sectional shape between the first side surface part and the bottom part and r2 being the radius of the cross sectional shape between the second side surface part and the bottom part.

No. of Pages: 31 No. of Claims: 1

(21) Application No.2265/DEL/2007 A

(19) INDIA

(22) Date of filing of Application :29/10/2007 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A LOW CHARGE-INJECTION CHARGE 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</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant: 1)STMicroelectronics Pvt Address of Applicant: Plot No. 1 Knowledge Park III Greater Noida - 201308 UP India Uttar Pradesh India (72)Name of Inventor: 1)CHATTERJEE Kallol
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention discloses a methodology for reducing a charge injection at a node in a charge pump phase locked loop (PLL). The present invention utilizes new clocking schemes which prevent the switching of any two transistors simultaneously and thereby induces a wanted charge by reducing an unwanted charge. The low charge-injection charge-pump includes a first transistor, a second transistor, a third transistor, a fourth transistor, a fifth transistor, a sixth transistor and an operational amplifier.

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

(22) Date of filing of Application :29/10/2007 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A CORE SUPPLY DETECTION DEVICE FOR A WIDE RANGE OF EXTERNAL AND INTERNAL SUPPLY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H03K19/007 :NA :NA	(71)Name of Applicant:  1)STMicroelectronics Pvt. Ltd Address of Applicant: Plot No. 1 Knowledge Park III Greater
(33) Name of priority country	:NA	Noida - 201308 UP India. Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GARG Paras
(87) International Publication No	: NA	2)Saiyid Mohammad Irshad Rizvi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a core supply detection device for detecting a wide range of a core supply voltage (VDD) with a wide range of a power supply voltage (VDDE). The core supply detection device includes a detection module, a comparator module, a current source, a storage module, and an output module. The detection module includes an edge detector and a complementary edge detector. The detection module is detecting either an edge or a complementary edge of the core supply voltage. The comparator module compares the core supply voltage with either an inbuilt offset voltage or a reference voltage to generate a detection signal. The current source provides a bias current to the comparator module for faster comparison. The storage module latches out the detection signal. The output module includes a pull up module and a pull down module. The pull up module and the pull down module either bring up or bring down the node voltages.

No. of Pages: 25 No. of Claims: 13

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : APPARATUS FOR ASSISTING COMBUSTION AND STEAM GENERATION OF WASTE-HEAT RECOVERY BOILER 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>	:F01K :10-2014- 0064099 :28/05/2014 :Republic of Korea :NA	(71)Name of Applicant:  1)WINNER TECH KOREA Co., Ltd. Address of Applicant: 22, Noksansandan 361-ro, Gangseo-gu, Busan, 618-819, Republic of Korea Republic of Korea (72)Name of Inventor: 1)PARK, Jongmyeon
(86) International Application No Filing Date	: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:

Disclosed herein is an apparatus for assisting combustion and steam generation of a waste-heat recovery boiler system including a first combustion chamber that burns a variety of kinds of waste, and a second combustion chamber that re-combusts unburned gas by reacting the unburned gas of combustion gas generated by the first combustion chamber with air. The apparatus includes a plurality of combustion-air rotating nozzles provided on an inner surface of the second combustion chamber in such a way as to face inwards, the nozzles being provided at upper and lower positions to cross with each other and spraying combustion air, and a steam-generation assisting portion provided in a central portion of the second combustion chamber and recovering waste heat of high temperature transferred from the first combustion chamber and thereby increasing an amount of generated steam.

No. of Pages: 17 No. of Claims: 4

(21) Application No.1910/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/04/2016

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

(51) International classification	:B65H67/08	(71)Name of Applicant:
(31) Priority Document No	:2014- 142086	1)Murata Machinery, Ltd. Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:10/07/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAKAYAMA Noboru
Filing Date	:NA	2)NAKAMURA Yuta
(87) International Publication 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 spinning unit (2) of a spinning machine includes a yarn supplying section (5), a winding device (26), a yarn 5 joining device (23), and a joint monitoring device (25). The yarn supplying section (5) is adapted to supply a spun yarn (10). The winding device (26) is adapted to wind the spun yarn (10) into a package (50). The yarn joining device (23) has a cutter (100). The joint monitoring device (25) 10 monitors the spun yarn (10). The spinning machine (the spinning unit 2) cuts the continuous spun yarn (10) by the cutter (100) of the yarn joining device (23) in accordance with a monitoring result of the joint monitoring device (25)

No. of Pages: 56 No. of Claims: 11

(21) Application No.1976/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SELECTIVE CATALYTIC REDUCTION SYSTEM

(86) International Application No :NA (72)Name of Inventor: Filing Date :NA (1)XIAO, Bin  (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	Address of Applicant :17 Xinhua Road New District, Wuxi City, Jiangsu Province, China China (72)Name of Inventor:
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#### (57) Abstract:

A selective catalytic reduction system comprising a reducing agent tank in which a reducing agent is added; a spraying and dosing module, comprising a dosing valve for metering the reducing agent and a reducing agent injection duct for injecting of the reducing agent; the reducing agent tank and the dosing valve connecting the reducing agent supply line for supplying the reducing agent to the dosing valve; a compressed air source; and a reducing agent-cleaning line whose upstream end is connected to the compressed air source and whose downstream end leads to an output of the reducing agent injection duct. The selective catalytic reduction system can reduce the cost and reduce the discharging time of the reducing agent residue.

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

(22) Date of filing of Application :06/10/2008 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A FEMALE COUPLING ELEMENT AND A COUPLING INCLUDING SUCH AN ELEMENT •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16L37/084 :07 58146 :08/10/2007 :France :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)STAUBLI FAVERGES  Address of Applicant: Place Robert Staubli Faverges France (72)Name of Inventor:  1)ALAIN-CHRISTOPHE TIBERGHIEN  2)CHRISTOPHE DURIEUX
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#### (57) Abstract:

The female element (3) for a coupling (1) comprises: a body (30) comprising a duct (C30) for receiving a male element (2) along a coupling axis (X-X') of the coupling (1); a locking member (33A) presenting a locking portion (330), a connecting portion (331), and a control portion (332), the locking member (33A) extending generally along said axis (X-X') and being movable between a locked position and an unlocked position; 1 o · an annular element (37) suitable for driving the locking member (33A) from the locked position to the unlocked position; and a resilient member (382) for returning the locking member (33A) to the locked position. The female element (3) includes lateral guide means for the connecting 15 portion (331) and/or the control portion (332). The surface (3302) of the locking portion (330) that is to come into contact with the male element (2) generally presents the shape of a portion of a surface of revolution and the width, in a circumferential direction, of the control portion (332) and/or of the connecting portion is less than the width of the locking portion (330).

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

(21) Application No.1822/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FOOD MAKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A47J43/046 :14/327,970 :10/07/2014 :U.S.A. :NA :NA :NA :NA :NA	
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#### (57) Abstract:

Food maker has a body including a container for holding a food mixture, the container having an open top and an open bottom. A plunger having an open top face and a closed bottom face is movable within container. Plunger has an outer wall configured for being received in container adjacent its inner sidewall, and inner sidewall and outer sidewall define an opening between each other. Opening provides that a portion of food mixture flows upwardly through opening past inner and outer sidewalls as plunger moves downwardly. An extruder nozzle is provided adjacent bottom of container, has an inlet and outlet, so that food mixture enters inlet and exits outlet as plunger moves downwardly. A slidable plate is located under outlet, so that food mixture exits outlet, is extruded onto plate, slides plate away from outlet, and extruded food is continually extruded evenly from outlet and received on plate.

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

(21) Application No.2098/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 29/04/2016

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

(51) International alossification	·D65U62/00	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2012-	1)MURATA MACHINERY, LTD.
(61) 1110110; 2 00 01110110110	167376	Address of Applicant :3, MINAMI OCHIAI-CHO,
(32) Priority Date	:27/07/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	JAPAN Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUICHI FUKUHARA
(87) International Publication 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 automatic winder (yarn winding machine) includes a transportation tray 39, a chase portion detecting sensor 74, a yarn quality measuring device, and a yarn quality inspecting section. A yarn supplying bobbin 15 is set in the transportation tray 39. The chase portion detecting sensor 74 detects an unwinding position of the yarn supplying bobbin 15 set in the transportation tray 39. The yarn quality measuring device measures quality of a yarn unwound from the yarn supplying bobbin 15. The yarn quality inspecting section manages the quality of the yarn in accordance with the unwinding position detected by the chase portion detecting sensor 74 and the quality of the yarn measured by the yarn quality measuring device.

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

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR MEASURING THE VISUALLY INDUCED POSTURAL INSTABILITY OF A PERSON

(51) International classification (31) Priority Document No	:A61B 5/11 :12184731.3	(71)Name of Applicant : 1)ESSILOR CANADA LTEE
(32) Priority Date	:17/09/2012	Address of Applicant :371 rue des Lauriers Ville Saint Laurent
(33) Name of priority country	:EPO	Qubec H4N 1W2 Canada
(86) International Application No	:PCT/CA2013/050699	l /
Filing Date	:11/09/2013	(72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2014/040186	1)FAUBERT Jocelyn 2)GIRAUDET Guillaume
Number	:NA	3)DOTI Rafael
Filing Date	:NA	4)LUGO Eduardo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method for measuring the visually induced postural instability of a person Method for measuring the visually induced postural instability of a person the method comprising: a display providing step (S1) during which a visual display device is provided and arranged so as to display a dynamic visual pattern in at least 50 % the lower half visual field of the person and to leave the upper half visual field of the person free a display step (S2) during which a dynamic visual pattern is displayed on the visual display device a measuring step (S3) during which a parameter representative of the postural instability is measured when the person is gazing at a fix target straight in front of him while having the dynamic visual pattern displayed on the visual display device.

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application :18/10/2007 (43) Publication Date : 29/04/2016

# (54) Title of the invention : HIGH FREQUENCY PLANT REGENERATION VIA SOMATIC EMBRYOGENESIS IN NARASIMHA, AN ELITE INDIAN COTTON CULTIVAR AND A PARENTAL LINE USED IN HYBRID SEED 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</li></ul>	:A01H4/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)INTERNTIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY Address of Applicant: ICGEB CAMPUS, P.O. BOX 10504, ARUNA ASAF ALI MARG NEW DELHI-110067, INDIA. Delhi
Filing Date (87) International Publication No	:NA :NA	India (72)Name of Inventor:
<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	1)TANVEER KHAN 2)VANGA SIVA REDDY 3)SADHU LEELAVATHI

### (57) Abstract:

The present invention discloses a method for high frequency regeneration of cotton plant from somatic cells. The invention, in particular, discloses to a method for regeneration of Indian elite cultivar Narasirnha variety. The invention also discloses a method comprising culturing and sub-culturing the explants and callus in different combinations of media and growth conditions. The present invention further discloses that the method results in at least 95% explants forming callus and regeneration of plants in 5-6 months.

No. of Pages: 19 No. of Claims: 18

(22) Date of filing of Application :21/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TANK RESISTANT TO THE OVERPRESSURES CAUSED BY PROJECTILE IMPACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60K15/03 :1259425 :04/10/2012 :France :PCT/FR2013/052364 :04/10/2013 :WO 2014/053787 :NA :NA	(71)Name of Applicant:  1)EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE Address of Applicant: 37, boulevard de Montmorency, F- 75016 Paris France (72)Name of Inventor: 1)THEVENET, Pascal;
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a tank (100, 12, 11) of liquid (2) designed to withstand the overpressures caused by projectile impact and placed within a structure (4), said tank comprising an overpressure management device, said device comprising a layer (3) of polyethylene- based hyperelastic fbam. The object of the invention is to obtain simple, durable and passive expansion both on existing tanks and on new tanks.

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

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: HOUSING FOR SCROLL COMPRESSOR AND SCROLL COMPRESSOR

#### (57) Abstract:

A housing for a scroll compressor and a scroll compressor are provided. The housing includes: a cannular central part; a center hole disposed at the cannular central part; a plurality of arms substantially extending radially from the cannular central part, the plurality of arms being used to be connected with a fixed scroll of the scroll compressor; and a thrust bearing surface disposed on a first side of the cannular central part in an axial direction, the thrust bearing surface being used to support an orbiting scroll. The orbiting scroll is supported with low friction, the motor supporting shell tube and the fixed scroll are connected with better alignment, and materials and machining costs are saved. In addition, the housing can provide better support for a scroll set, thereby achieving better performance.

No. of Pages: 19 No. of Claims: 17

(21) Application No.1804/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FLOW DEFLECTOR

<ul><li>(51) International classification</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>	:F01D25/30 :EP14382234.4 :17/06/2014 :EPO :NA	Address of Applicant :Carretera de Zamanes, 20 36315 Vigo, Pontevedra Spain Spain (72)Name of Inventor :
Filing Date (87) International Publication No	:NA : NA	1)GRANDE FERN • NDEZ, Jos Antonio 2)RODR • GUEZ TATO, Marcos
(61) Patent of Addition to Application Number	:NA	2)RODK GUEZ TATO, Warcos
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a device for deflecting coolant fluid flow in a heat exchanger, particularly a heat exchanger of an EGR (Exhaust Gas Recirculation) system, better cooling of the fluid to be cooled and flowing through the bundle of tubes of said heat exchanger being obtained.

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

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SOLAR ENERGY SHED FRAME PROTECTION DEVICE FOR CULTURE POND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H01L 31/00 :101139842 :26/10/2012 :Taiwan :NA :NA	(71)Name of Applicant:  1)SENTEC E & E CO., LTD.  Address of Applicant: NO. 32, GONG 5 RD., LUNGTAN, TAOYUAN CITY, TAIWAN Taiwan (72)Name of Inventor:  1)CHOU, CHUN-CHI 2)LOAO, CHUN-YING
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a joint container (10) and a method for manufacturing a tank having the joint container (10). The joint container (10) comprises a first component (100) and a second component (200) which are assembled and connected together. The first component (100) has a first joint portion (110). The second component (200) has a second joint portion (210). The first joint portion (110) comprises a base (120), a stop block (130), and an installation space formed between the base (120) and the stop block (130). The second joint portion (210) comprises a base (220) and a stop wall (230) located on the base (220) and facing one side of the stop block (130). When the second joint portion (210) is fixed at an installation position, a melted material space (140) is formed between the base (120) and the base (220) to accommodate the melted material. After the joint container (10) is connected by melting, no burrs are exposed. Thus, there is no need for the process to remove the burrs to save the cost.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TRANSFER CONTROL METHOD OF CONTINUOUS PAPER AND PRINTER

(87) International Publication No : NA (61) Patent of Addition to Application	<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:2012-175755 :08/08/2012 :Japan :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)SEIKO EPSON CORPORATION Address of Applicant:4-1, NISHISHINJUKU 2 - CHOME, SHINJUKU-KU, TOKYO 163 - 0811, JAPAN, Japan (72)Name of Inventor:  1)MAEDA HIROYUKI
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#### (57) Abstract:

A transfer control method of continuous paper includes controlling a transfer amount of the continuous paper based on a rotational amount detected by a roller feeding amount detecting unit which detects the rotational amount of a paper feed roller, when each page of the continuous paper is printed, and when the printing on each page is completed, performing a cueing process of transferring the continuous paper until a printing start position of a next page reaches the printing position. The cueing process includes transferring the continuous paper until the continuous paper reaches a reference transfer position based on the feeding amount of the tractor detected by a tractor feeding amount detecting unit! for detecting a feeding amount of the tractor and after the continuous paper reaches the reference transfer position, setting the transfer amount of the continuous paper as a target feeding amount.

No. of Pages: 41 No. of Claims: 10

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DISPOSABLE FILTER FOR AN 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</li> </ul>	:14/321,142 :01/07/2014 :U.S.A. :NA :NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A disposable filter for an engine includes a shroud and a filter element. The shroud has at least one pair of sidewalls that define an inlet and an outlet respectively therethrough. The sidewall includes an outer ply, an inner ply, and a core comprising a honeycomb matrix of cells. The outer ply and the inner ply are disposed in a spaced-apart relation to each other. Lateral ends of the core are bonded to inner surfaces of the outer ply and the inner ply to integrally form the sidewall. The filter element is disposed within the shroud and also releasably coupled to the shroud. Further, the shroud and the filter element are both formed using at least one biodegradable material.

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

(19) INDIA

(43) Publication Date: 29/04/2016

(21) Application No.1961/DELNP/2015 A

(22) Date of filing of Application:11/03/2015

(54) Title of the invention: NOVEL USES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K14/81 :61/712499 :11/10/2012 :U.S.A. :PCT/EP2013/071093 :09/10/2013 :WO 2014/057003 :NA :NA	(71)Name of Applicant:  1)NERRE THERAPEUTICS LIMITED  Address of Applicant: Stevenage Bioscience Catalyst Office F25 Incubator Building Gunnels Wood Road Stevenage Herts SG1 2FX U.K. (72)Name of Inventor:  1)EMILIANGELO Ratti 2)MICHAEL Trower
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This invention relates to the new use of the compound (I) or pharmaceutically acceptable salts thereof and pharmaceutical compositions containing it for the treatment of pruritus and to combinations for such a use.

No. of Pages: 42 No. of Claims: 21

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A PROCESS FOR PRODUCTION OF A SILICA SUPPORTED ALKALI METAL 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:01/10/2013 :WO 2014/053818 :NA :NA	(71)Name of Applicant:  1)LUCITE INTERNATIONAL UK LIMITED  Address of Applicant: Cumberland House 15 17 Cumberland  Place Southampton SO15 2BG U.K.  (72)Name of Inventor:  1)YORK Ian Andrew  2)MORRIS Trevor Huw
Filing Date	:NA	

### (57) Abstract:

A process for regenerating a silica supported depleted alkali metal catalyst is described. The level of alkali metal on the depleted catalyst is at least 0.5 mol% and the silica support is a zero gel. The process comprises the steps of contacting the silica supported depleted alkali metal catalyst with a solution of a salt of the alkali metal in a solvent system that has a polar organic solvent as the majority component. A re impregnated catalyst prepared by the process of the invention any comprising a silicazero gel support and a catalytic metal selected from an alkali metal in the range 0.5 5 mol% on the catalyst wherein the surface area of the silica support is

No. of Pages: 21 No. of Claims: 25

(21) Application No.2204/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR D2D RADIOCOMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W76/00 :NA :NA :NA :PCT/CN2012/082394 :28/09/2012 :WO 2014/047907 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON(PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)LINDOFF Bengt 2)LU Qianxi 3)MIAO Qingyu 4)WILHELMSSON Leif
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#### (57) Abstract:

The present disclosure relates to a method of a first radio device (102) in non network assisted device to device (D2D) communication with a second radio device (103) using a first frequency resource and a first communication protocol. The method comprises determining that the first radio device is within coverage of a cellular network (100). The method also comprises connecting to the cellular network. The method also comprises sending a message to the second radio device informing said second radio device that the first radio device is within coverage of the cellular network. The method also comprises receiving a message from the cellular network comprising information about a second frequency resource and a second communication protocol. The method also comprises initiating a handover of the D2D communication from the first frequency resource and communication protocol to the second frequency resource and communication protocol.

No. of Pages: 38 No. of Claims: 19

(21) Application No.2362/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SEMICONDUCTOR 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> </ul>	:2012-178907 :10/08/2012 :Japan	(71)Name of Applicant:  1)SEMICONDUCTOR ENERGY LABORATORY CO., LTD.  Address of Applicant: 398 HASE, ATSUGI-SHI, KANAGAWA-KEN 243-0036, JAPAN Japan (72)Name of Inventor:  1)YAMAZAKI SHUNPEI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A semiconductor device including a capacitor with increased charge capacity and having a high aperture ratio and low power consumption is provided for a semiconductor device including a driver circuit. The semiconductor device includes a driver circuit which includes a first transistor including gate electrodes above and below a semiconductor film so as to overlap with the semiconductor film; a pixel which includes a second transistor including a semiconductor film; a capacitor which includes a dielectric film between a pair of electrodes in the pixel; and a capacitor line electrically connected to one of the pair of electrodes. In the semiconductor device, ; the gate electrode over the semiconductor film of the first transistor is electrically connected to the capacitor line.

No. of Pages: 177 No. of Claims: 23

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD DEVICE AND SYSTEM FOR ESTABLISHING SESSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W4/02, H04L9/08, H04L29/06, H04K1/ :201210387157.5 :12/10/2012 :China :PCT/CN2013/083006 :05/09/2013 :WO 2014/056374 :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan District Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)ZHOU Xiaoyun
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## (57) Abstract:

A method device and system for establishing a session are disclosed in the present invention. The method comprises the following steps: the V PCRF receiving the S9 session establishing trigger message sent by the H PCRF wherein the S9 session establishing trigger message is used for triggering the S9 session and the first S9 sub session establishing and the first S9 sub session is used for controlling the evolved packet core network route service and policy; the V PCRF judging whether the S9 session is established or being established; when the judging result is yes the V PCRF indicating the H PCRF the S9 session is established or being established. According to the present invention the problem of session conflict which occurs during establishing the S9 sub session in the prior art is solved thereby the stability of the system is enhanced.

No. of Pages: 43 No. of Claims: 14

(21) Application No.2203/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LIQUID DRUG TRANSFER DEVICES EMPLOYING MANUAL ROTATION FOR DUAL FLOW COMMUNICATION STEP ACTUATIONS

(51) International classification	:A61J1/10, A61J1/14, A61J1/20	(71)Name of Applicant: 1)MEDIMOP MEDICAL PROJECTS LTD
(31) Priority Document No	:221635	Address of Applicant :17 Hatidhar Street PO Box 2499 43665
(32) Priority Date	:26/08/2012	Raanana Israel
(33) Name of priority country	:Israel	(72)Name of Inventor:
(86) International Application No	:PCT/IL2013/050721	1)LEV Nimrod
Filing Date	:26/08/2013	2)BEN SHALOM Niv
(87) International Publication No	:WO 2014/033710	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Liquid drug transfer devices employing manual rotation of a drug vial adapter with respect to a liquid container adapter for dual flow communication step actuation for establishing flow communication between a liquid container containing liquid contents and an initially intact namely non punctured drug vial. Manual rotation compacts a liquid drug transfer device along a longitudinal device axis for urging a puncturing tip through a drug vial stopper during a drug vial flow communication step for flow communication with a drug vial interior. Manual rotation also executes a liquid container flow communication step for flow communication with a liquid container therefore establishing flow communication between a drug vial and a liquid container.

No. of Pages: 59 No. of Claims: 11

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR WELDING CONDUITS.

(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 (83) International Publication Number Filing Date (84) International Publication Number Filing Date (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	57.5 1)ALSTOM TECHNOLOGY LTD.
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#### (57) Abstract:

A system 100 and a method 600 for welding two or more conduits 200, 300 are disclosed. The system 100 includes a root welding tool 110, a filler welding tool 120 and a support member 130. The root welding tool 110 root weld a gap 400 to form a root layer 410 configured along end portions 210, 310, from outer circumferential surfaces side 220, 320 opposite to inner circumferential surfaces side 230, 330 of conduits 200, 300. The root weld is performed such that spattering of root weld material is prevented. The filler welding tool 120 is utilized to fill the gap 400. The support member 130 is provided for applying an outward thrust to ensure shrinkage of the filler and root weld materials longitudinally and radially outward, preventing pressing out of the filler and root weld materials along the inner circumferential surfaces side 230, 330. FIG. 1

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: POWER PLANT AND HEAT SUPPLY 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</li> </ul>	:F24J2/00,F03G6/00 :2012-174411 :06/08/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant:1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN Japan (72)Name of Inventor:  1)MIKHAIL RODIONOV  2)NOBUO OKITA
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

According to one embodiment, a power plant includes a solar heat collector (12) which collects solar heat and then supplies the solar heat to a heat medium. The power plant includes a heat exchanger (13) which changes a secondary medium into steam by heat exchange with the heat medium. The power plant includes a turbine (15). The power plant includes a temperature sensor (71) which detects the temperature of the heat medium. The power plant includes and a controller (50) which supplies the heat medium with heat obtained by the conversion of an output variation component having a period shorter than a predetermined value in electricity generated by a wind power generator (40) when the temperature does not satisfy a predetermined condition associated with the driving of the turbine (15).

No. of Pages: 37 No. of Claims: 8

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FILTER CARTRIDGE HAVING DOUBLE THREADS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C02F1/44 :201420341364.1 :25/06/2014	(71)Name of Applicant: 1)KEMFLO (NANJING) ENVIRONMENTAL TECHNOLOGY CO., LTD.
(33) Name of priority country	:China	Address of Applicant :19 Aitao Rd. Jiangning Development
(86) International Application No	:NA	Zone, Nanjing, 211106 China China
Filing Date	:NA	2)KEMFLO INTERNATIONAL CO., LTD.
(87) International Publication No	: NA	3)LIN, Ching shiung
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LIN, Jack
(62) Divisional to Application Number	:NA	2)QIAN, Yu cui
Filing Date	:NA	3)CHEN, Peng

#### (57) Abstract:

A filter cartridge having double threads is provided, and has a housing and a cap. The housing is opaque and provided with a connecting portion, a filter containing portion and a bottom portion. The housing and the cap are tightly connected to each other by a connector. When the housing and the cap are assembled via the connector, various types of threads and shapes of the bottom portion of the housing can be selected. Additionally, users can conveniently observe the using condition of a filter media through an opened window formed on an outer circumference surface of the bottom portion of the housing and a transparent base, so that the user can then directly decide whether the filter media should be changed or not.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: APPARATUS AND METHOD FOR RECOGNIZING MEDIA, FINANCIAL DEVICE

(31) Priority Document No (32) Priority Date :10-2014- 0081359 :30/06/2014 S	(71)Name of Applicant:  1)LG CNS CO., LTD.  Address of Applicant: 24, Yeoui-daero, Yeongdeungpo-gu, Seoul 150-881, Republic of Korea Republic of Korea (72)Name of Inventor:  1)LEE, Jung In 2)KOO, Beum Yong 3)KIM, Eun Ki 4)AN, Joong Ho 5)CHO, Han Cheol
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#### (57) Abstract:

The present disclosure relates to an apparatus and a method for recognizing media and a financial device. The apparatus for recognizing media according to an exemplary embodiment of the present disclosure includes: an image sensor configured to emit different first light source and second light source to media including at least one character to acquire a first image and a second image corresponding to each light source; a noise detector configured to detect noise of a region in which the character is included from the first image and the second image; and a controller configured to combine the first image and the second image depending on the detected noise information to recognize the character included in the media.

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

(21) Application No.2209/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: VEHICLE SIDE DOOR 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</li> <li>Number Filing Date</li> </ul>	:B60J5/04 :2012278352 :20/12/2012 :Japan :PCT/IB2013/002798 :18/12/2013 :WO 2014/096934 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 8571 Japan (72)Name of Inventor: 1)KOIKE Hiroyuki
Number Filing Date (62) Divisional to Application Number		
Filing Date	:NA	

### (57) Abstract:

In a state where a glass run channel (40) that sandwiches an end portion of a door glass (16) sandwiches a flange portion (26) formed at an outer side of a door frame (18) in a vehicle width direction the glass run channel (40) is attached to the door frame (18). A bracket (50) is connected to a portion (outer wall upper portion (24D2)) of the door frame (18) which is different from the flange portion (26). Therefore it is possible to ensure continuity in the cross sectional shape of the glass run channel (40). Thus even when the glass run channel (40) is attached to the door frame (18) so as to sandwich the flange portion (26) it is possible to inhibit a deformation of a design surface of the glass run channel (40) due to thermal effect or the like.

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHODS AND APPARATUS TO COMMUNICATE AUDIENCE MEASUREMENT INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/584,352 :13/08/2012 :U.S.A. :NA :NA : NA :NA	, , , , , , , , , , , , , , , , , , , ,
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatus to communicate audience measurement information are disclosed. An example method includes analyzing a plurality of media identifiers collected over a first period of time to identify a dominant one of the media identifiers for the first period of time; and communicating the dominant media identifier for the first period of time via a text-only messaging service to a storage facility.

No. of Pages: 62 No. of Claims: 73

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

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

(51) International (71)Name of Applicant: :H01L27/00,H01L29/00,H01L23/00 1)SEMICONDUCTOR ENERGY LABORATORY CO., classification (31) Priority Document No :2012-178724 LTD. (32) Priority Date :10/08/2012 Address of Applicant: 398, HASE, ATSUGI-SHI, KANAGAWA-KEN 243-0036, JAPAN Japan (33) Name of priority country: Japan (86) International Application :NA (72) Name of Inventor: 1)SHUNPEI YAMAZAKI :NA Filing Date (87) International Publication : NA (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A highly reliable semiconductor device exhibiting stable electrical characteristics is provided. Further, a highly reliable semiconductor device is provided. Oxide semiconductor films are stacked so that the conduction band has a well-shaped structure. Specifically, a transistor having a multi-layer structure is manufactured in which a second oxide semiconductor film having a crystalline structure is stacked over a first oxide semiconductor film, and at least a third oxide semiconductor film is provided over the second oxide semiconductor film. When a buried channel is formed in the transistor, few oxygen vacancies are generated and the reliability of the transistor is improved.

No. of Pages: 88 No. of Claims: 24

(22) Date of filing of Application: 17/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: DEVICE AND METHOD FOR PRODUCING A TUBE HEAD AND TUBE HEAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29C45/28, B29C45/16 :01696/12 :19/09/2012 :Switzerland :PCT/EP2013/069192 :17/09/2013 :WO 2014/044647 :NA	(71)Name of Applicant:  1)ALPLA WERKE ALWIN LEHNER GMBH & CO. KG Address of Applicant: Allmendstrasse A 6971 Hard Austria (72)Name of Inventor:  1)KRAMMER Christian
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an injection molding device for producing at least one tube head having a tube shoulder and a neck formed thereon having a press out opening comprising a mold that defines a mold cavity (37) and a nozzle (15) that interacts with the mold. The nozzle (15) has a nozzle body (49) and a valve needle (51) that can be moved in the nozzle body (49) in the direction of the longitudinal tube axis. The valve needle comprises a valve needle shaft (53) and a terminal valve needle head (55). The valve needle (51) is surrounded by a first flow channel (63) through which a first material component (64) can be pressed out. The opening (72) of the nozzle (15) is closed by the valve needle head (55) in a retracted position of the valve needle (51) and released by the valve needle head (55) in an advanced position of the valve needle (51) wherein in the advanced position of the valve needle (51) an annular outlet opening (72) is formed which establishes a fluid connection into the mold cavity (37) together with an annular gap (83) of the mold serving as a gate.

No. of Pages: 28 No. of Claims: 25

(21) Application No.2151/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# $(54) \ Title \ of the invention: PHARMACEUTICAL \ COMBINATIONS \ COMPRISING \ DUAL \ ANGIOPOIETIN \ 2 \ / \ DLL4 \ BINDERS \ AND \ ANTI \ VEGF \ AGENTS$

(51) International classification	:A61K39/395, A61P35/00, C07K16/22	(71)Name of Applicant: 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH
(31) Priority Document No	:12186696.6	Address of Applicant :Binger Strasse 173 55216 Ingelheim
(32) Priority Date	:28/09/2012	Am Rhein Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/070144	1)GSCHWIND Andreas
Filing Date	:26/09/2013	2)BAUM Anke
(87) International Publication No	:WO 2014/049100	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to pharmaceutical combinations comprising dual Angiopoietin 2 / Dll4 binders and anti VEGF agents for use in treating diseases like cancer and ocular diseases.

No. of Pages: 100 No. of Claims: 20

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : COKE OVEN TEMPERATURE CONTROL DEVICE AND COKE OVEN TEMPERATURE CONTROL 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>	:C10B21/10 :2012184501 :23/08/2012 :Japan :PCT/JP2013/068053 :01/07/2013 :WO 2014/030438 :NA :NA :NA	(71)Name of Applicant:  1)KANSAI COKE AND CHEMICALS CO. LTD  Address of Applicant: 2 6 Shioe 1 chome Amagasaki shi Hyogo 6610976 Japan (72)Name of Inventor:  1)NOJIMAYutaka
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#### (57) Abstract:

The purpose of the present invention is to automate battery temperature detection and provide appropriate coke oven temperature control. The coke oven temperature control device is a device for controlling the temperature of a coke oven in which a single battery is configured by arranging multiple ovens formed from a combustion chamber (1) and a carbonization chamber (2). The temperature control device comprises: a battery temperature detection unit (4) for detecting the battery temperature; a fuel gas valve (14) for changing the flow of fuel gas supplied to the battery as a whole; and a battery temperature control unit (5) for controlling the supplied amount using the fuel gas valve (14) so that the difference between the actual battery temperature T detected by the battery temperature detection unit (4) and a previously determined target battery temperature T is eliminated. The battery temperature detection unit (4) comprises: a temperature sensor (40) which is disposed in at least one combustion chamber (1) and is for detecting the ambient temperature inside the combustion chamber (1) at a distance from the oven wall; and a battery temperature deriving unit (41) for deriving the actual battery temperature T in accordance with the detection results of the temperature sensor (40).

No. of Pages: 40 No. of Claims: 6

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FRONT-END SIGNAL GENERATOR FOR HARDWARE IN-THE-LOOP SIMULATION.

(51) International classification	:G06F17/00	(71)Name of Applicant:
(31) Priority Document No	:61/680,759	1)BAE SYSTEMS INFORMATION & ELECTRONIC
(32) Priority Date	:08/08/2012	SYSTEMS INTEGRATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :P.O. BOX 868, NHQ1-719, NASHUA,
(86) International Application No	:NA	NH 03061-0868, UNITED STATES OF AMERICA. U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JEW, JEFFREY L.
(61) Patent of Addition to Application Number	:NA	2)CLARK, DENNIS R.
Filing Date	:NA	3)SMITH, NATHAN D.
(62) Divisional to Application Number	:NA	4)VATTER, FORREST C.
Filing Date	:NA	5)MAHAR, ANTHONY

### (57) Abstract:

A front-end signal generator for hardware-in-the-loop simulators of a simulated missile is disclosed. The front-end signal generator is driven by the Digital Scene And Reticle Simulation-Hardware In The Loop (DSARS-HITL) simulator. The simulator utilizes a computer to calculate irradiance on an Electro- Optical/Infrared (EO/IR) detector. The generator converts irradiance values into voltages that are injected into the missiles electronics during simulation. The conversion is done with low latency and a high dynamic range sufficient for hardware-in-the-loop simulation. The generator is capable of emulating laser pulse inputs that would be present during laser-based jammer countermeasures. Computer control of the generator occurs via front-panel-data-port (FPDP).

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : 6LOWPAN BASED MULTIDISCIPLINARY WIRELESS SENSOR PROTOCOL FOR CONNECTED HOME SECURITY 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 Number</li> </ul>	:14/330,064 :14/07/2014 :U.S.A. :NA :NA	Address of Applicant :101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, USA, U.S.A. (72)Name of Inventor: 1)SANDEEP SURESH 2)KENNETH ESKILDSEN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)VISHNU BEEMA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system including a control panel having a wireless transceiver that operates under a 6LowPan/!Pv6/loT or equivalent protocol where the 6LowPan/IPv6/loT protocol supports one or more of a 6LowPan protocol, an IEEE802.15.4 protocol and IEEE802.11 coordination, a plurality of remotely located, wireless devices each having a wireless transceiver that exchanges messages with the control panel within a time division multiple access (TDMA) slot on a radio frequency (RF) channel and a respective processor within the control panel and each of the plurality of wireless devices that controls transmission and reception of messages within TDMA slots of a repeating super frame where at least some of the plurality of wireless devices select TDMA slots within the super frame under a carrier sense multiple access with collision avoidance (CSMA/CA) algorithm/mechanism and some other of the plurality of devices select slots of the super frame under a WiFi protocol.

No. of Pages: 16 No. of Claims: 15

(21) Application No.2225/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR DETERMINING THE FUEL QUALITY IN AN INTERNAL COMBUSTION ENGINE IN PARTICULAR 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F02D 19/06 :102012222899.3 :12/12/2012 :Germany :PCT/EP2013/074442 :22/11/2013 :WO 2014/090543 :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)WALTER Michael  2)PALMER Joachim  3)BOLLINGER Stefan
(62) Divisional to Application Number Filing Date	:NA :NA	
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# (57) Abstract:

The present invention relates to a method for determining the fuel quality in an internal combustion engine in particular of a motor vehicle in which method it is provided in particular that a two stage zero quantity calibration is carried out wherein in the first stage a test injection is carried out with an actuation duration and a first quantity correction is produced wherein in the second stage two test injections are carried out with said actuation duration the time interval between which two test injections is selected in such a way that the influence of a pressure wave which is generated by the first test injection on the second test injection is as low as possible and a second quantity correction is produced using the two test injections wherein the first quantity correction and the second quantity correction are compared with one another and a conclusion about the fuel quality is made from the result of the comparison.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: REVERSE OSMOSIS MEMBRANE ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:China :NA :NA : NA	(71)Name of Applicant:  1)A. O. SMITH (SHANGHAI) WATER TREATMENT PRODUCTS CO. LTD.  Address of Applicant:6F, BAOLI BUILDING NO. 2888 QIXIN AVENUE MINHANG DISTRICT SHANGHAI, P. R. CHINA 201101 CHINA China (72)Name of Inventor:  1)HOU, YIZHI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)HOU, YIZHI 2)WANG, QIANG
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A reverse osmosis membrane element has a relatively high recovery rate. In the present invention, water ports of the reverse osmosis membrane element are located at both ends thereof, and a waterproof adhesive tape is coated between a flow guide net and a reverse osmosis membrane of the reverse osmosis membrane element, including a plurality of adhesive tapes parallel with an axial direction of the reverse osmosis membrane element, so that fed water is discharged from the water outlet after circuitously flowing between adjacent adhesive tapes along the axial direction of the reverse osmosis membrane element. In the technical solution of the present invention, a circuitous flow passage is available in the reverse osmosis membrane element, which increases the fluid flow rate, and decreases the surface pollution rate of the reverse osmosis membrane, thereby contributing to the improvement of the recovery rate of the reverse osmosis membrane element.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SCALE INHIBITOR

(51) International classification	:C02F5/00,C23F11/00,C07F9/00	(71)Name of Applicant:
(31) Priority Document No	:201210283452.6	1)A.O. SMITH (CHINA) WATER HEATER CO., LTD
(32) Priority Date	:09/08/2012	Address of Applicant :336 YAOXIN AVENUE, NETDZ
(33) Name of priority country	:China	NANJING, JIANGSU PROVINCE P.R. CHINA 210038 China
(86) International Application N	o:NA	(72)Name of Inventor:
Filing Date	:NA	1)WEI DING
(87) International Publication No	o : NA	2)BU QIU
(61) Patent of Addition to	:NA	3)BAOLIN LIU
Application Number	:NA	4)LEYUN LIN
Filing Date	.NA	5)YUPING SHI
(62) Divisional to Application	:NA	6)LIN KUANG
Number	:NA	
Filing Date	.IVA	

#### (57) Abstract:

The present invention provides a combined scale inhibitor and scale inhibiting device. The combined scale inhibitor contains organophosphorous filter materials, ceramic filter materials and polyphosphate filter materials. The organophosphorus filter materials are the granular filter materials of liquid organophosphorus scale and corrosion inhibitor while the said ceramic filter materials are the granular filter materials containing oxide ceramic powder. The said scale inhibiting device is comprised of a tank, a water inlet, a water outlet, an organophosphorus filter material layer, a ceramic filter material layer and a polyphosphate filter material layer in the said tank. The said organophosphorus filter material layer contains organophosphorus filter materials, which are the granular filter materials, which are the granular filter materials containing oxide ceramic powder.

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

(22) Date of filing of Application :20/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: LOCK FOR TOOL HOLDER

(51) International classification	:E02F9/28	(71)Name of Applicant:
(31) Priority Document No	:12300984	1)COMBI WEAR PARTS AB
(32) Priority Date	:21/09/2012	Address of Applicant :P.O. Box 205, S -681 24 Kristinehamn
(33) Name of priority country	:Sweden	Sweden
(86) International Application No	:PCT/SE2013/000140	(72)Name of Inventor:
Filing Date	:12/09/2013	1)QUARFORDT, Per;
(87) International Publication No	:WO 2014/046587	2)GABELA, Adnan;
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a lock for releasable locking of an excavating tooth to a wearing- part holder in a wearing- part system, where the excavating tooth and the wearing part holder together define a lock opening for receiving the lock, where the lock comprises a threaded conical screw and a first thread half designed with a first thread bed , where the first thread half and a second thread half, designed with a second thread bed are mounted in the lock opening , where the first thread half and the second thread half, with the thread beds directed towards each other, together define an opening for threaded fastening of the threaded conical screw, such that rotation of the threaded screw moves the threaded screw along the thread beds in the axial direction of the screw into the lock opening , locking the lock when the first thread half is moved towards the excavating tooth and the second thread half is moved towards the wearing- part holder. The invention also relates to a wearing- part system , a first thread half, a second thread half, a conical screw, and an associated method for releasable locking of an excavating tooth to a wearing part holder in a wearing- part system with lock.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SUPPORT SYSTEM FOR PRODUCTION SCHEDULE PLANNING OF DESALINATION PROCESS

(51) International classification	:C02F1/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 215460	1)HITACHI, LTD. Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:28/09/2012	CHIYODA-KU, TOKYO, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KOJI KAGEYAMA
Filing Date	:NA	2)HIDEYUKI TADOKORO
(87) International Publication No	: NA	3)TOSHIAKI ARATO
(61) Patent of Addition to Application Number	:NA	4)TOMOFUMI SHIRAISHI
Filing Date	:NA	5)MISAKI SUMIKURA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A support system for production schedule planning of desalination process is used for a desalination plant which has a freshwater tank serving as a buffer for storing therein freshwater produced from raw water. The support system includes: a salt concentration time change estimation unit that computes a salt concentration estimated value of raw water; a water temperature time change estimation unit that computes a water temperature estimated value of the raw water; a production schedule computation unit that calculates a power cost of the desalination plant, based on a salt concentration estimated value, a water temperature estimated value, an electricity rate unit price per time zone in an area in which the desalination plant is installed, a freshwater tank maximum capacity, a freshwater tank minimum capacity, a current freshwater volume in freshwater tank, and a demand for freshwater, and thereby computes a water desalination schedule; and a water desalination schedule display unit that displays the computed water desalination schedule.

No. of Pages: 75 No. of Claims: 6

(21) Application No.2375/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :03/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : POLYMORPHISM AND PRIORITY INVERSION TO HANDLE DIFFERENT TYPES OF LIFE STYLE AD LIFE SAFETY TRAFFIC IN WIRELESS SENSOR NETWORK FOR A CONNECTED HOME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W92/02 :14/452,587 :06/08/2014 :U.S.A. :NA :NA :NA	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC. Address of Applicant:101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, USA U.S.A. (72)Name of Inventor: 1)SANDEEP SURESH
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

#### (57) Abstract:

A system including a control panel having a first and second wireless transceivers, a beacon processor of the control panel that transmits a beacon through the first transceiver, the beacon defines a repeating superframe having a first time period and a second time period, a plurality of wireless devices that exchange messages with the control panel within a respective TDMA slot of the superframe and an access processor within the control panel that dynamically adjusts a relative size of the first and second time periods to reduce or exclude WiFi access by portable user devices based upon a status of the plurality of wireless devices wherein use of the second time period is polymorphic under IEEE 802.11 and IEEE 802.15.4 protocols and wherein a relative priority of the first and second time periods is inverted during transmissions between the control panel and other devices of the control panel.

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : MICROWAVE CAVITY RESONATOR AND SPINNING PREPARATION MACHINE EQUIPPED WITH THE SAME

(51) International classification	:D01H5/00	(71)Name of Applicant:
(31) Priority Document No	:10 2014	1)Rieter Ingolstadt GmbH
(31) Thority Document 140	109 651.7	Address of Applicant :Friedrich-Ebert Strasse 84, 85055
(32) Priority Date	:10/07/2014	Ingolstadt, Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Michael Ueding
Filing Date	:NA	2)Otmar Kovacs
(87) International Publication No	: NA	3)Tobias Hermann
(61) Patent of Addition to Application Number	:NA	4)Thomas Eibert
Filing Date	:NA	5)Muhammad Usman Faz
(62) Divisional to Application Number	:NA	6)Uwe Siart
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a microwave cavity resonator (8) for monitoring a strand-shaped fiber material, the microwave cavity resonator (8) comprising an internal resonator chamber (7) in which an electrical field can be generated by means of at least one coupling-in arrangement (9) of the microwave cavity resonator (8), the microwave cavity resonator (8) comprising at least one inlet opening (10) for the fiber material (3; 15) opening into the resonator chamber (7), through which the fiber material (3; 15) can enter the resonator chamber (7) in a predetermined transport direction (T), the microwave cavity resonator (8) comprising at least one outlet opening (11) for the fiber material (3; 15), and the microwave cavity resonator (8) comprising a pass-through channel (13) for the fiber material (3;15) connecting the inlet opening (10) and the outlet opening (11) in said transport direction (T) and running through the resonator chamber (7). According to the invention, it is proposed that the inner contour of the resonator chamber (7) is implemented such that the locations having the same value for electrical field strength in a cross section of the microwave cavity resonator (8) running parallel to the transport direction (T) each lie onlines (14), the shape thereof having a maximum spatial extent (A1) in the transport direction (T) in the region of the pass-through channel (13) that is less than the maximum spatial extent (A2) thereof running perpendicular thereto.

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

(22) Date of filing of Application :19/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AN INTELLIGENT VACUUM PUMP WITH LOW POWER CONSUMPTION

(51) International alassification	·E04C20/06	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Padmini VNA Mechatronics Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :Jal Vihar, Basai - Garhi Road Village
(33) Name of priority country	:NA	Dhankot Gurgaon-122001 Haryana, India Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KABIR BHANDARI
(87) International Publication No	: NA	2)RAJESH KUMAR SAHOO
(61) Patent of Addition to Application Number	:NA	3)PRAVEEN GUPTA
Filing Date	:NA	4)SUMIT RAJPAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A vacuum pump for automobiles used for brake application is provided wherein a method of reducing power consumption and running torque in a vacuum pump of a motor vehicle is explained. The present invention also provides a vacuum pump for automobiles comprising an actuator, a new vane locking assembly, a new vane and rotor assembly, a new non return valve assembly, the controlled oil supply means and a reed stopper assembly that reduces power loss and unnecessary frictional forces and to maintain a controlled oil supply to the vacuum pump.

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

(21) Application No.2107/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHODS OF INHIBITING HAIR GROWTH

(51) International classification	:A61K31/196	(71)Name of Applicant:
(31) Priority Document No	:61/700614	1)NOGRA PHARMA LIMITED
(32) Priority Date	:13/09/2012	Address of Applicant :33 Sir John Rogersons Quay Dublin 2
(33) Name of priority country	:U.S.A.	Ireland
(86) International Application No	:PCT/EP2013/069063	(72)Name of Inventor :
Filing Date	:13/09/2013	1)GIULIANI Giammaria
(87) International Publication No	:WO 2014/041141	2)PAUS Ralf
(61) Patent of Addition to Application	:NA	3)RAMOT Yuval
Number	:NA	4)BARONI Sergio
Filing Date	.11/1	5)VITI Francesca
(62) Divisional to Application Number	:NA	6)BELLINVIA Salvatore
Filing Date	:NA	7)MARZANI Barbara

# (57) Abstract:

Provided herein are methods for reducing mammalian hair growth using the disclosed compounds. Also provided herein are methods of inhibiting hair growth after hair removal of an area of mammalian skin of a mammal using the disclosed compounds.

No. of Pages: 42 No. of Claims: 28

(22) Date of filing of Application :24/10/2007 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MECHANICAL SEALS AND METHODS OF MAKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16J15/34 :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 United States of America. U.S.A. (72)Name of Inventor: 1)KRISNAMURTHY Anand 2)SALEHI Mohsen 3)BRISSON Bruce William 4)GHASRIPOOR Farshad 5)MATHEW Paul 6)GRAY Dennis Michael 7)SRINIVASAN Dheepa
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### (57) Abstract:

A mechanical seal includes a pair of opposing seal faces (10), wherein at least one of the pair of seal faces (10) includes a multilayer coating (14) disposed on a substrate (12), wherein the multilayer coating (14) has a periodic repetition of distinct layers, a plurality of layers of a composite wherein no two adjacent layers of the composite comprise an identical ratio of composite constituents, or both. A method includes disposing a multilayer coating (14) on a substrate (12) to form at least one of a pair of opposing seal faces (10) of a mechanical seal.

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

(21) Application No.2378/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ANTIFOULING REMOVABLE STREAMER SECOND SKIN AND METHOD OF MOUNTING THEREOF

(51) International classification	:G01V1/00	(71)Name of Applicant:
(31) Priority Document No	:61/682,389	1)CGG SERVICES SA
(32) Priority Date	:13/08/2012	Address of Applicant :27 AVENUE CARNOT, 91300
(33) Name of priority country	:U.S.A.	MASSY, FRANCE France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MACQUIN, RAPHAEL
(87) International Publication 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 streamer usable underwater for marine seismic surveys is covered by a removable skin to prevent bio-fouling deposits on its outer surface. The removable skin includes a flexible material charged with a biocide substance or has foul release properties, and a closure system configured to join sides of the flexible material. The removable skin may be mounted onboard of a vessel while the streamer is deployed.

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

(21) Application No.1796/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A METHOD 0F DRYING A STRIP OF CIGARETTE PAPER, AND CIGARETTE PAPER OBTAINED THEREBY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A24D1/02 :14 55593 :18/06/2014	(71)Name of Applicant: 1)ALLIMAND Address of Applicant:1250 Avenue, Jean Jaur's, 38140
(33) Name of priority country	:France	RIVES, France, France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JEAN-DOMINIQUE BONFANTI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method drying a strip of cigarette paper (1) in a drying section (2) comprising a 10 pre-drying section (4) and a post-drying section (5). For at least the pre-drying section (4), the method consists in supporting the strip of cigarette paper (1) continuously with the help of at least one drying felt (8) traveling around dryer drums (6) and transfer rolls 15 in order to form a single Unorun drying system in this pre-drying section (4) in order to drive the strip of cigarette paper (1) at a speed that is substantially constant.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ADAPTIVE THREE PARAMETER ISOLATOR ASSEMBLIES INCLUDING EXTERNAL MAGNETO-RHEOLOGICAL VALVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16F13/30 :14/330,296 :14/07/2014 :U.S.A. :NA :NA :NA :NA :NA	,
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#### (57) Abstract:

Embodiments of an adaptive three parameter isolator assembly (30) are provided, as are embodiments of a vehicle isolation system (130) including a plurality of isolator assemblies. In one embodiment, the isolator assembly includes a three parameter isolator (10) having opposing hydraulic chambers (44, 46) configured to be filled with a Magneto-Rheological (MR) damping fluid. An MR valve (34, 100) external to the three parameter isolator is fluidly coupled between the opposing hydraulic chambers. The MR valve is configured to generate a magnetic field through which the MR damping fluid passes as the fluid flows between the opposing hydraulic chambers. A control device (88) is operably coupled to the MR valve and is configured to control the strength of the magnetic field to adjust the viscosity of the MR damping fluid during operation of the three parameter isolator.

No. of Pages: 27 No. of Claims: 10

(21) Application No.2000/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/03/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention : OXIDE CATALYST METHOD FOR PRODUCING SAME AND METHOD FOR PRODUCING UNSATURATED ALDEHYDE DIOLEFIN OR UNSATURATED NITRILE

:C07C253/26, (51) International classification (71)Name of Applicant: (31) Priority Document No :2012216071 1)ASAHI KASEI CHEMICALS CORPORATION (32) Priority Date :28/09/2012 Address of Applicant: 1 105 Kanda Jinbocho Chiyoda ku (33) Name of priority country Tokyo 1018101 Japan :Japan (86) International Application No :PCT/JP2013/076364 (72)Name of Inventor : Filing Date :27/09/2013 1)YOSHIDA Jun (87) International Publication No :WO 2014/051090 2)YAMAGUCHI Tatsuo (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

An object of the present invention is to provide an oxide catalyst that prevents the reduction degradation of the catalyst even during industrial operation for a long time and less reduces unsaturated aldehyde yields, diolefin yields, or unsaturated nitrile yields, and a method for producing the same, and methods for producing unsaturated aldehyde, diolefin, and unsaturated nitrile using the oxide catalyst. The present invention provides an oxide catalyst for use in the production of unsaturated aldehyde, diolefin, or unsaturated nitrile from olefin and/or alcohol, the oxide catalyst satisfying the following (1) to (3): (1) the oxide catalyst comprises molybdenum, bismuth, iron, cobalt, and an element A having an ion radius larger than 0.96 A (except for potassium, cesium, and rubidium); (2) an atomic ratio a of the bismuth to 12 atoms of the molybdenum is 1 < 0 < 0, an atomic ratio b of the iron to 12 atoms of the molybdenum is 0 < 0, an atomic ratio d of the cobalt to 12 atoms of the molybdenum is 0 < 0, and an atomic ratio d of the cobalt to 12 atoms of the molybdenum is 0 < 0, and an atomic ratio d of the cobalt to 12 atoms of the molybdenum, the bismuth, the iron, and the element A.

No. of Pages: 186 No. of Claims: 13

(21) Application No.2404/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ROLLING CONTROL DEVICE, ROLLING CONTROL METHOD, AND COMPUTER READABLE MEDIUM STORING ROLLING CONTROL PROGRAM

(51) International classification	:B21B	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(31) Thority Document No	166978	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:19/08/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HATTORI Satoshi
Filing Date	:NA	
(87) International Publication 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 excellent control in the case of performing rolling control on the basis of the states of a rolled material on the entry and exit sides of the whole of a plurality of roll stands. This rolling control is characterized by including: obtaining detection results of the state of the rolled material entering a #2 roll stand 12 disposed on the most upstream side and the state of the rolled material exiting from a #4 roll stand 14 disposed on the most downstream side of the plurality of roll pairs arranged in succession with respect to the rolled material; and, on the basis of the obtained two detection results, controlling the roll speed of the roll pairs other than the #2 roll stand 12 so that the entry and exit rates of the rolled material is coincident with each other.

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

(21) Application No.2363/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: EXHAUST AIR SYSTEM AND METHOD THEREOF

(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  (88) International Publication No  (89) International Publication No  (81) Patent of Addition to Application Number  Filing Date  (82) Divisional to Application Number  Filing Date  (83) Priority Document No  (84) International Publication No  (84) International Publication No  (87) International Publication Number  Filing Date  (88) International Publication Number  Filing Date  (89) International Publication Number  Filing Date  (80) Priority Document No  (81) Priority Document No  (81) Priority Document No  (82) International Application Number  Filing Date	(71)Name of Applicant: 1)RENA GmbH Address of Applicant: Ob der Eck 5 D-78148 G ¹ /4tenbach Germany Germany (72)Name of Inventor: 1)DIRK BAREIS 2)FLORIAN KALTENBACH 3)ANDRE LINDERT 4)PASQUALE ROCCIA 5)HOLGER SPRENGER
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(57) Abstract : see the wipo

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : PROBE FOR DETECTING A PORTION OF MATERIAL COMPONENT OF A MATERIAL MIXTURE

<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>	:G01K1/00,G01N27/00 :102012216467.7 :14/09/2012 :Germany :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20. 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)SEILER, THOMAS
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#### (57) Abstract:

A probe (100) for detecting a portion of a solid component of a material mixture is proposed. The probe (100) has a measurement cell (102) for detecting a measurement voltage (UN), a heating element (104) for heating the measurement cell (102), and a first common electrical conductive path (118, 119), through which an external heater voltage (UB) is applied to the heating element (104), and the measurement voltage (UN) of the measurement cell (102, 402) is read. Further the probe (100) comprises a first diode element (122), which is electrically connected to the measurement cell (102), to protect the measurement cell (202, 402) against the heater voltage (UB). A second diode element (128) can be present, which is electrically connected to the heating element (104), to isolate the heating element (104) with respect to the measurement voltage (UN)

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR DETERMINING A DETECTION THRESHOLD FOR DETECTING MISFIRES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G01M15/00 :102012216354.9 :14/09/2012 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant:POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)BOETTCHER, JENS
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# (57) Abstract:

The present subject matter relates to a method for determining a detection threshold for detecting misfires in a multi cylinder internal combustion engine, wherein, under predetermined releasing conditions during normal operation of the internal combustion engine at a first operating point, a single misfire for a defined cylinder of a plurality of cylinders is generated, a resultant uneven running signal is measured, thereby a first threshold value is derived, and this first threshold is stored in an adaptation matrix for the first operating point, wherein the standard values stored in the adaptation matrix, at the beginning, is scaled corresponding to this first threshold value for different operating points in regard to the first threshold value for the first operating point and is stored as a respective corresponding threshold value for the respective different operating points in the adaptation matrix.

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

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR FREQUENCY DRIFT COMPENSATION FOR A DIELECTRIC RESONATOR OSCILLATOR $\bullet$

(51) International classification	:H01P	(71)Name of Applicant:
(31) Priority Document No	:14/456,203	
(32) Priority Date	:11/08/2014	
(33) Name of priority country	:U.S.A.	Morristown, N.J. 07962-2245, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)FU MA
(87) International Publication 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 and methods for frequency drift compensation for a dielectric resonator oscillator and systems and methods to reduce temperature drift in a dielectric resonator oscillator are provided. Some systems can include an oscillator circuit and a dielectric resonator eectncaWy coupled to the oscillator circuit. The oscillator circuit can have a first temperature coefficient, and the dielectric resonator can have a second temperature coefficient to compensate for frequency drift caused by the first temperature coefficient of the oscillator circuit.

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

(22) Date of filing of Application :16/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: RADIATION DETECTION PANEL, RADIATION IMAGING DEVICE, AND DIAGNOSTIC IMAGING DEVICE

(51) International classification	:G01S	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)SEMICONDUCTOR ENERGY LABORATORY CO.LTD
(31) Thority Document No	184985	Address of Applicant :398, HASE, ATSUGI-SHI,
(32) Priority Date	:24/08/2012	KANAGAWA-KEN 2430036, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KUROKAWA YOSHIYUKI
Filing Date	:NA	2)IKEDA TAKAYUKI
(87) International Publication 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 achieve a radiation detection panel capable of outputting a signal for generating an accurate pixel signal regardless of the performance of a conversion unit, a detection circuit that outputs a signal used for generating a pixel signal includes a first output circuit that outputs a signal due to afterglow, and a second output circuit that outputs a signal including both a signal based on radiation emission and a signal due to afterglow. Transistors using an oxide semiconductor material for a channel formation region are used as some transistors included in the first and second output circuits. In the radiation detection panel having this structure, the signal (a first signal or a second signal) can be held in each output circuit; therefore, after all output circuits hold the signal (the first signal or the second signal), the first signal and the second signal can be sequentially output from detection circuits.

No. of Pages: 69 No. of Claims: 21

(22) Date of filing of Application :20/01/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROJECTION KEYBOARD FOR PORTABLE COMMUNICATION DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01H, B01F :14/140,556 :26/12/2013	(71)Name of Applicant: 1)LIANG HUI-PIN Address of Applicant: NO. 3, POA CHI LANE, CHUNG YA TSUN, SIU SHUI HSIANG, CHANGHUA HSIEN, TAIWAN
(33) Name of priority country	:U.S.A.	(R.O.C.) Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WU CHUAN-SHIH
(87) International Publication 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 projection keyboard for a portable communication device includes a main body having a HDMl input hole; a battery unit disposed in the main body; a 5 connection module connected with the main body and electrically connected with the battery unit, the connection module communicating with an external portable communication device by means of a wireless or wired connection way; a micro projection device pivotally connected to a front central portion of the main body and electrically connected with the battery unit and the HDMl input hole; and a 10 wireless AV receiver electrically connected with the battery unit and the micro projection device. The micro projection device projects the image data to a front screen or on the wall directly like a computer. The present invention has a simple structure and is small in size, without a traditional screen, so the cost is lowered greatly and can be used conveniently. ABHISHEK SAKET (Patent Agent) AGENT FOR THE APPLICANT

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

(21) Application No.1784/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: YARN WINDING 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B65H63/036 :2014- 132544 :27/06/2014 :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 Japan (72)Name of Inventor: 1)YAMAMOTO Atsushi 2)NAMIKAWA Tetsuya
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### (57) Abstract:

A winding unit includes a cradle adapted to hold a package, a contact roller adapted to make contact with a surface of the package, an air cylinder adapted to move the package between a contacting position in which the package makes contact with the contact roller and a non-contacting 10 position in which the package is separated from the contact roller, and a package driving motor adapted to rotatably drive the package. The package driving motor carries out a forward rotation of rotating the package in a winding direction for a set period a in a lift-up state in which 15 the package having a yarn end is separated from the contact roller by the air cylinder.

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

(21) Application No.1785/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :15/06/2015 (43) Publication Date : 29/04/2016

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

(51) International classification	:B65H63/036	(71)Name of Applicant:
(31) Priority Document No	:2014- 136419	1)Murata Machinery, Ltd. Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:02/07/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MIURA Takahiro
Filing Date	:NA	2)MURAKAMI Takeshi
(87) International Publication No	: NA	3)KUMAZAWA Tsuyoshi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

A yarn winding device includes a yarn storage roller (51), a tension measuring device, a yarn hooking arm (53), an arm driving section (55), and a control section (60). The yarn storage roller (51) stores a yarn on a surface by being rotatably driven by a roller driving section (52). 10 The tension measuring device measures tension of the yarn pulled out from the yarn storage roller (51). The yarn hooking arm (53) is arranged downstream in a yarn travelling direction of the yarn storage roller (51), and makes contact with the yarn to apply tension to the yarn. The arm driving 15 section (55) rotatably drives the yarn hooking arm (53). The control section (60) feedback controls the arm driving section (55) based on a measurement result of the tension measuring device to adjust an amount of tension applied by the yarn hooking arm (53).

No. of Pages: 32 No. of Claims: 9

(21) Application No.2439/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :08/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PIPE FREEZER 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>	:F25D :14/456,502 :11/08/2014 :U.S.A. :NA :NA	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An evaporator cuff for use with a pipe freezer apparatus. The evaporator cuff includes a hose connector attached to an evaporator body. The evaporator body has an inner wall configured to engage the outer surface of a pipe, and an outer wall spaced apart from the inner wall. A chamber is defined between the inner and outer walls, first and second side walls, and first and second end walls. A plurality of baffles are located in the chamber and arranged to define a series of conduits for creating a flow path through the chamber for refrigerant to flow along. The walls are arranged so as to form a serpentine flow path from the evaporator inlet to the evaporator outlet.

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

(21) Application No.1829/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BLOCK COPOLYMERS, THEIR MANUFACTURE AND THEIR 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> <li>(87) International Publication No</li> </ul>	:B01D53/22 :14/333,203 :16/07/2014 :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	2)ADRIE A. VAN DER HUIZEN

# (57) Abstract:

A flinctionalized block copolymer polymerized using vinylbcnzylamino derivative monomers for use in such applications as anionic exchange membranes.

No. of Pages: 60 No. of Claims: 17

(21) Application No.1899/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : EXTRUDABLE HOT-MELT PRESSURE-SENSITIVE ADHESIVES FOR RESEALABLE PACKAGING HAVING IMPROVED ORGANOLEPTIC PROPERTIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B32B7/12 :14.56561 :08/07/2014 :France :NA :NA : NA :NA	(71)Name of Applicant: 1)BOSTIK SA Address of Applicant:253, avenue du Prsident Wilson 93210 LA PLAINE SAINT DENIS France. France (72)Name of Inventor: 1)ROBERT, Christophe
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

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

¹⁾ Hot-melt pressure-sensitive adhesive composition with MFI of 0.01 to 200 g/10 minutes and comprising: - from 45 to 70% by weight of a composition of styrene block copolymers of SIS type with an SI diblock content of 30 to 90% and a content of styrene units of 10 to 40%; and - from 30 to 55% by weight of at least one tackifying resin having a softening temperature of between 5 and  $150^{\circ}$ C, and obtained by a process comprising: - a first stage of polymerization of a composition chosen from: - a composition (i) essentially composed of unsaturated hydrocarbons having 9 carbon atoms, or - a composition (ii) essentially composed of dicyclopentadiene and of its derivatives having 10 carbon atoms; then - a second stage of hydrogenation of the polymer thus obtained. 2) Multilayer film comprising an adhesive layer composed of the said composition with a thickness of between 7 and 50  $\mu$ m. 3) Process for the manufacture of the said film by coextrusion. 4) Use of the said film for the manufacture of resealable cartons.

(22) Date of filing of Application :13/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CHARGE AIR COOLER, AND INTAKE MANIFOLD INCLUDING 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>	:F02D :14/461,955 :18/08/2014 :U.S.A. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Mann+Hummel GmbH  Address of Applicant: Hindenburgstr. 45, 71638 Ludwigsburg, Germany Germany  2)Modine Manufacturing Company (72)Name of Inventor:  1)MESHENKY, Steven P.  2)BRAUN, Jason J.  3)MOORE, Christopher Michael 4)SPEIDEL, Gerrit-Tobias 5)BUEHL, Heinz 6)KORN, Alexander
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### (57) Abstract:

A charge air cooler includes a housing and a heat exchanger core positioned within the housing. The heat exchanger core includes a first core section, a second core section, and a centrally located section positioned between the first core section and the second core section. The charge air cooler also includes a plurality of coolant circuits. Each coolant circuit extends through at least one of the first and second core sections. The charge air cooler fiuther includes a coolant inlet extending fiom the centrally located section to deliver coolant to the plurality of coolant circuits, and a coolant outlet extending firom the centrally located section to receive coolant firom the plurality of coolant circuits. The charge air cooler also includes a fastener extending through the centrally located section of the core to secure the core to the housing.

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

(22) Date of filing of Application :13/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A RECIPROCATING-TYPE NITROGEN-HYDROGEN COMPRESSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F04B :201410436997.5 :29/08/2014 :China :NA :NA :NA :NA	(71)Name of Applicant:  1)SHANGHAI SHANG LONG COMPRESSOR  MANUFACTURE CO., LTD.  Address of Applicant: Building 2, Lixin Road 99, Malu Town,  Jiading District, Shanghai, P.R. China China (72)Name of Inventor:  1)WU, XIANGQI
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#### (57) Abstract:

The present invention discloses a reciprocating-type nitrogen-hydrogen compressor. The reciprocating-type nitrogen-hydrogen compressor comprises a body component, a power component and a compression component, wherein the body component comprises a crankcase and a mid-body, which are integrally formed, the inner wall of the crankcase is fixedly connected to a bearing seat, and a sliding bearing is inlaid into the bearing seat; the power component comprises an electromotor and a crankshaft fixedly connected to an output shaft of the electromotor, the crankshaft passes through the sliding bearing and is fixedly connected to one end of each connecting rod, and two sides of the crankshaft are correspondingly provided with the same number of connecting rods; the compression component comprises a piston rod connected to the other end of each connecting rod through a crosshead, the tail end of the piston rod is provided with a piston, and the piston is arranged in an air cylinder. The air cylinders of the reciprocating-type nitrogen-hydrogen compressor are horizontally arranged and distributed at two sides of the crankshaft, and the advantages such as good dynamic balance, convenience in operation and overhauling and the like can be achieved; the reciprocating-type nitrogen-hydrogen compressor has characteristics of advanced design, reasonable structure, reliable performance, low noise, small vibration, long service life of vulnerable parts and the like Figure 1.

No. of Pages: 38 No. of Claims: 9

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MEDICAL COMBINATIONAL CLOSURE AND MEDICAL SOFT BAG •

(51) International classification	:A61L17/00	(71)Name of Applicant:
(31) Priority Document No	:201420429620.2	
(32) Priority Date	:31/07/2014	TECHNOLOGY LTD.,
(33) Name of priority country	:China	Address of Applicant :of Yanxi River West Road 3, Yanxi
(86) International Application No	:NA	Economic Development Zone, Huairou District, Beijing 101407,
Filing Date	:NA	China China
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)WENFANG ZHANG
Filing Date	:NA	2)WENDONG ZHANG
(62) Divisional to Application Number	:NA	3)AIMIN LIANG
Filing Date	:NA	4)JIANDONG LIU

#### (57) Abstract:

The invention relates to a medical combinational closure including at least a joint, a combinational closure body, and a base part used for connecting with the medical soft bag; wherein a via-hole and a separator are arranged in the joint; the combinational closure body covers one end of the via-hole; the separator is transversely arranged in the via-hole; the base part is a convex structure surrounding the outer wall of the joint, and is provided on one end of the joint far from the combinational closure body, and the outer wall of the joint and the base part have sealed and fixed connection; and the base part, the joint and the combinational closure body are in integrated structure. The invention further relates to a medical soft bag, comprising a bag body for containing infusion solution and the medical combinational closure connected to the bag, wherein a bag opening is placed on one side of the bag; the outer wall of the base part of the medical combinational closure is sealed and fixed with the bag opening; a filling mouth is placed on the other side of medical soft bag and connected to the bag.

No. of Pages: 27 No. of Claims: 10

(21) Application No.2242/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR RESTORING MALE SEX DRIVE (LIBIDO) USING A FOOD SUPPLEMENT FOR RESTORING MALE SEX DRIVE (LIBIDO)

<ul><li>(51) International classification</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>	:A61K 31/198 :2012135560 :20/08/2012 :Russia :PCT/RU2013/000173	(71)Name of Applicant: 1)OBSHCHESTVO S OGRANICHENNOJ OTVETSTVENNOSTJU PARAFARM Address of Applicant: ul. Sverdlova 4 Penza 440026 Russia (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	:06/03/2013 :WO 2014/031026 :NA :NA :NA :NA	1)OBSHCHESTVO S OGRANICHENNOJ OTVETSTVENNOSTJU PARAFARM

#### (57) Abstract:

The method for restoring male sex drive (libido) using a food supplement for restoring male sex drive (libido) relates to medicine, and more specifically to the pharmaceutical industry producing food supplements for restoring male sex drive (libido) and male sexual function which are based on natural ingredients. The method involves the use of nitric oxide (NO) in terms of L- arginine , pollen or beebread in terms of rutin , drone brood in terms of decenoic acids , a substance containing zinc in terms of zinc, a substance containing vitamin B6 ,in terms of vitamin B6 horny goat weed in terms of icariin true or false ginseng root in terms of saponins, and leuzea or crowned saw- wort in terms of ecdysteroids , in various combinations.

No. of Pages: 33 No. of Claims: 8

(21) Application No.2536/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/08/2015 (43) Publication Date : 29/04/2016

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

(51) International classification	:B65H :2014-	(71)Name of Applicant: 1)Murata Machinery, Ltd.
(31) Priority Document No	174571	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:28/08/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)JINYAMA Tatsuo
Filing Date	:NA	
(87) International Publication 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 winding unit includes a yarn supplying section, a yarn storage section, a package forming section, a yarn joining device, a tension applying section, and a control section. The yarn storage section winds and stores a yarn supplied by the yarn supplying section around a yarn storage roller. The package forming section pulls out the yarn from the yarn storage section and winds the pulled out yarn to form a package. The yarn joining device connects the yarns when the yarn is disconnected between the yarn supplying section and the yarn storage section. The tension applying section is arranged between the yarn supplying section and the yarn storage section, and is adapted to apply tension to the yarn. After completion of the yarn joining operation by the yarn joining device, the control section performs a control to rotate the yarn storage roller from a stopped state while changing the acceleration rate in the winding direction of the yarn storage roller. [Most Illustrative Drawing] FIG.

No. of Pages: 46 No. of Claims: 14

(21) Application No.2537/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/08/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: FUEL INJECTION VALVE

(51) International classification	:F23Q	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HITACHI AUTOMOTIVE SYSTEMS, LTD.
(31) Friority Document No	177753	Address of Applicant :2520, Takaba, Hitachinaka-shi, Ibaraki
(32) Priority Date	:02/09/2014	312-8503, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAGAOKA Masaki
Filing Date	:NA	2)KOBAYASHI Nobuaki
(87) International Publication No	: NA	3)KINOSHITA Ryuta
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fuel injection valve (1) having a valve body (17); a valve seat (15b) on which the valve body (17) is seated; and a nozzle plate (21n) provided at a downstream side of the valve seat (15b). The nozzle plate (21n) has a fuel injection orifice (220); a swirl chamber (212) having an inner circumferential wall (212c) and a bottom surface (211b) on which an entry opening (220i) of the fuel injection orifice (220) opens; and a transverse passage (211) whose one side wall (211o) is connected to an upstream side (212cs) of the inner circumferential wall (212c) in a flow direction of swirl fuel and whose other side wall (211i) is connected to a downstream side (212ce) of the inner circumferential wall (212c) so as to communicate with the swirl chamber (212). When imaging a first extension line (211ol) extending along the one side wall (211o) and imaging a second extension line (211il) extending along the other side wall (211i), and when projecting as a projection drawing the fuel injection orifice (220), the swirl chamber (212), the transverse passage (211) and the first and second extension lines (211ol, 21111) on a flat surface that is perpendicular to an axial center line (la) of the fuel injection valve (1), the entry opening (220i) of the fuel injection orifice (220) is set on the flat surface so that the entry opening (2201) crosses the second extension line (21111) and is positioned at a one side wall (211o) side or a first extension line (211ol) side.

No. of Pages: 43 No. of Claims: 5

(21) Application No.2155/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ABSOLUTE AND RELATIVE POSITIONING SENSOR FUSION IN AN INTERACTIVE DISPLAY 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>	:G06F3/033 :61/697342 :06/09/2012 :U.S.A. :PCT/US2013/058269 :05/09/2013	(71)Name of Applicant: 1)INTERPHASE CORPORATION Address of Applicant: 2901 North Dallas Parkway Suite 200 Plano TX 75093 U.S.A. (72)Name of Inventor: 1)SOLOMON Yoram
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An interactive display system including a wireless pointing device and positioning circuitry capable of determining absolute and relative positions of the display at which the pointing device is aimed. An error value between the absolute position and an estimated or actual relative position at the point in time of the absolute position is determined and a compensation factor is determined from this error value that is applied to subsequent relative positioning results.

No. of Pages: 66 No. of Claims: 54

(21) Application No.2222/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR D2D RADIOCOMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W76/00 :NA :NA :NA :PCT/CN2012/082391 :28/09/2012 :WO 2014/047905 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)LINDOFF Bengt 2)LU Qianxi 3)MIAO Qingyu 4)WILHELMSSON Leif
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### (57) Abstract:

The present disclosure relates to a method of radio communication between a first radio device (102) and a second radio device (103) using a first frequency resource and a first communication protocol by means of a network node (101) at least one of the radio devices being served by said network node. The method comprises determining a second frequency resource to use for non network assisted device to device (D2D) communication between the first and second radio devices in case of a radio link failure between said at least one radio device and the network node. The method also comprises determining a second communication protocol to use for the non network assisted D2D communication between the first and second radio devices in the case of a radio link failure between said at least one radio device and the network node.

No. of Pages: 36 No. of Claims: 21

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

(43) Publication Date: 29/04/2016

## (54) Title of the invention: A CHAFF MATERIAL AND PROCESS FOR MAKING THE SAME

(51) International classification :B29B17 (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 Filing Date :NA	(71)Name of Applicant:  1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION  Address of Applicant: Defence Research & Development Organization, Ministry of Defence, Govt. of India, DRDO Bhavan, 3 rd - Floor, B-Block, Rajaji Marg, New Delhi-110 011 Delhi India (72)Name of Inventor:  1)Ravindra Kumar Agarwal 2)Prashant Vasistha 3)Bobin Mondol 4)Kavita Chouhan 5)Brij Bala Tak 6)Parmod Kumar Sharma
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## (57) Abstract:

The present disclosure relates to a chaff material for an electronic warfare countermeasure made of fine aluminum fibers, metal or metal alloy fibers. The chaff material made of fine aluminum fibers or metal or metal alloy fibers having diameter in the range of 20-75  $\mu$ m. The present invention also relates to a wet chemical etching method for making fine aluminum fibers, metal or metal alloy fibers.

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

(22) Date of filing of Application :08/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SIDE-GUSSET BAG AND METHOD OF MAKING 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 Filing Date (62) Divisional to Application Number	:B65D :14 184 973.7 :16/09/2014 :EUROPEAN UNION :NA :NA :NA :NA :NA	Address of Applicant :Jbkesweg 11 48599 Gronau Germany.
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#### (57) Abstract:

The invention relates to a side-gusset bag with two face panels (1) and two folded side panels (2a, 2b) that are each joined to the face panels (1) at side edges (3) and that each have a crease (4) running in a bag longitudinal direction (1) in the center between the respective side edges (3), a handle assembly (5) having a film handle being attached to one of the folded side panels (2a) on an outer side of the bag, the handle assembly (5) being attached, when seen in the longitudinal direction (1), to handle ends (7) and having a handle section 8 between the handle ends extending in a transverse direction (q) over less than 60% of the width of the respective folded side panel (2a) and having a respective spacing (a) of at least 15 mm from the two respective side edges (3). According to the invention, the film handle is interrupted at the crease (4) by a gap (S) with a width (bsp) of at least 2 mm running in the longitudinal direction (1) that separates the film handle into a first film handle section (6a) and a separate second film handle section (6b). The invention also relates to a method of making the side-gusset bag. To be published with FIG. 1.

No. of Pages: 25 No. of Claims: 19

(21) Application No.2585/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COLOR-STABLE 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 No</li> </ul>	:A61Q11/00, C09B67/22 :NA :NA :NA :PCT/US2012/067342	
<ul> <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>	:PCT/US2012/067342 :30/11/2012 :WO 2014/084851 :NA :NA	1)FILHO Luiz Alberto Goncalves 2)OLIVI Raquel Margutti 3)DILLON Rensl
Filing Date	:NA	

# (57) Abstract:

Disclosed herein are oral care compositions comprising a colorant blend comprising a triarylmethane green colorant and a naphthalene sulfonate yellow colorant in a weight ratio of from 2:1 to 1:2; and a substituted or unsubstituted phenyl alkene flavorant.

No. of Pages: 20 No. of Claims: 26

(21) Application No.2436/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ACTUATOR/SENSOR DEVICE

(31) Priority Document No (32) Priority Date (33) Name of priority country (34) International Application No (35) International Publication No (36) International Publication No (37) International Publication No (38) International Publication No (39) International Publication No (30) International Publication No (31) Priority Document No (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Address of Applicant: 1, Avenue Paul Ourliac - 31100 (35) Toulouse - FRANCE France (36) Priority Date (37) Address of Applicant: 1, Avenue Paul Ourliac - 31100 (38) Toulouse - FRANCE France (39) Priority Date (30) Address of Applicant: 1, Avenue Paul Ourliac - 31100 (31) Toulouse - FRANCE France (31) Priority Date (32) Priority Date (33) Name of priority country (34) Address of Applicant: 1, Avenue Paul Ourliac - 31100 (35) Toulouse - FRANCE France (36) Name of Inventor: (37) Name of Inventor: (38) Name of Applicant: 1, Avenue Paul Ourliac - 31100 (38) Name of Inventor: (39) Name of Inventor: (40) Name of Inventor: (41) Priority Date (42) Name of Inventor: (42) Name of Inventor: (43) Name of Inventor: (44) Name of Inventor: (45) Name of Inventor: (47) Name of Inventor: (47) Name of Inventor: (48) Name of Inventor: (48) Name of Inventor: (49) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (41) Name of Inventor: (42) Name of Inventor: (42) Name of Inventor: (43) Name of Inventor: (44) Name of Inventor: (44) Name of Inventor: (45) Name of Inventor: (47) Name of Inventor: (47) Name of Inventor: (48) Name of Inventor: (48) Name of Inventor: (49) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (40) Name of Inventor: (41) Name of Inventor: (42) Name of Inventor: (43) Name of Inventor: (44) Name of Inventor: (44) Name of Invent	<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> </ul>	:1458816 :18/09/2014 :France :NA :NA : NA :NA	Toulouse - FRANCE France 2)CONTINENTAL AUTOMOTIVE GmbH (72)Name of Inventor: 1)COLLET, Thierry
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#### (57) Abstract:

The present invention relates to an actuator/sensor device (1) comprising at least one actuator (3) controlled by a control signal and at least one sensor (5) transmitting an acquisition signal, the actuator (3) and the sensor (5) being integrated into the same component, furthermore comprising: an actuator/sensor pin (8) connecting a terminal of the actuator (3) and an output of the sensor (5) to the same single electrical wire (9) external to said actuator/sensor device (1); and switching means adapted to cause either the control signal in a control phase (19) or the sensor information in an acquisition phase (21) to be sent on the electrical wire (9). FIG. 1

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

(21) Application No.2436/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SHIP FOR COLLECTING OBJECTS FLOATING ON WATER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B63B 35/32 :12/59060 :26/09/2012 :France :PCT/EP2013/069605 :20/09/2013 :WO 2014/048852 :NA :NA :NA	(71)Name of Applicant: 1)ECOCEANE Address of Applicant: 35 quai d'Anjou, F -75004 Paris France (72)Name of Inventor: 1)GASTALDI, Robert 2)LERONDEAU, Benjamin
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#### (57) Abstract:

The invention relates to a ship (100) comprising: a hull (106), having at the stern (104), an opening (116) having a first flap (118) capable of movement between an open position in which the opening (116) is clear and a second closed position in which the opening (116) is blocked; a storage means (110) arranged in the hull (106) and having a window (120) extending opposite the opening (116); and lowering means for lowering the hull (106) into the water when the first flap (118) is in the open position and for raising the hull (106) when the first flap (116) is in the closed position.

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

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: FRAME ASSEMBLY AND METHOD FOR SECURING A SCREEN IN A 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:E06B 9/52 :2012903842 :05/09/2012 :Australia :PCT/AU2013/000933 :22/08/2013 :WO 2014/036591 :NA :NA	(71)Name of Applicant:  1)VEIVERS, Bradley, Mark Address of Applicant:55 Shamley Heath Road, Kureelpa, Queensland 4560 Australia (72)Name of Inventor: 1)VEIVERS, Bradley, Mark
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of assembly of a security screen assembly of the type employing an outer extruded frame and a woven stainless steel screen, the method comprising the steps of (in no particular order): - providing an extruded frame with an inside having a screen receiving portion, ; inserting a marginal edge portion of the screen into the frame; insulating at least part of the marginal edge portion of the screen; subsequent to the above steps , applying compression to deform at least part of the assembly and by deforming at least a part of the assembly in the region of the marginal edge portion of the screen secure the screen to the frame.

No. of Pages: 28 No. of Claims: 25

(21) Application No.2508/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :14/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: VEHICLE CENTER PILLAR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka, 432-8611 Japan Japan (72)Name of Inventor:  1)Kousuke OHHARA
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(86) International Application No	:NA	1)Kousuke OHHARA
Filing Date	:NA	
(87) International Publication 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 vehicle center pillar capable of improving comfort by ensuring a space in a compartment while favorably suppressing deformation by ensuring high rigidity. A center pillar 100 according to the present invention has a configuration in which a central portion 140 of an inner panel 120 on an interior side includes an inner front surface 126 and an inner rear surface 128 that respectively extend from ends of a front flange 122 and a rear flange 124 toward a vehicle interior side, an inner central surface 146 that is located between the inner front surface and the inner rear surface, first beads 142a and 142b that respectively project in a step shape from a front edge and a rear edge of the inner central surface toward the vehicle interior side, and second beads 144a and 144b that further project in a step shape toward the vehicle interior side from the first beads and are respectively continuous with ends of the inner front surface and the inner rear surface on the vehicle interior side, the first beads and the second beads extending below a belt line.

No. of Pages: 20 No. of Claims: 4

(22) Date of filing of Application :20/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DETECTION SENSOR AND STARTER GENERATOR

(51) International classification	:F02N	(71)Name of Applicant:
(31) Priority Document No	:2014- 169724	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho, Minami-ku,
(32) Priority Date	:22/08/2014	Hamamatsu-shi, Shizuoka-ken, JAPA Shizuoka, 432-8611
(33) Name of priority country	:Japan	JAPAN Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Tetsuya OSAKABE
(87) 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:

There is provided a detection sensor configured to be attached to a starter generator. The starter generator includes a stator of which a plurality of teeth having coils wound thereto are arranged in a circumferential direction and a rotor having a magnet arranged to face an outer periphery of the stator, and configured to detect a rotating position of the rotor configured to rotate around the stator. A sensor case extends from a center-side of the stator towards an outer periphery-side thereof. A standing part is configured to stand up from the sensor case so as to enter between the adjacent teeth at the outer periphery-side of the stator. A sensor element is arranged at the standing part so as to detect a change in a magnetic field accompanied by rotation of the rotor. The sensor case is formed with a fixing part to be fixed to the center-side of the stator and the standing part is formed with an engaging part configured to engage with the stator.

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

(21) Application No.1968/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: POWER CONVERSION 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>	:H02N3/00 :2014- 137411 :03/07/2014 :Japan :NA	(71)Name of Applicant: 1)Hitachi, Ltd. Address of Applicant:6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan Japan (72)Name of Inventor: 1)Yuuichi MABUCHI 2)Tetsuya KAWASHIMA
(87) International Publication No	: NA	3)Daisuke MATSUMOTO
(61) Patent of Addition to Application Number	:NA	4)Akira MIMA
Filing Date	:NA	5)Yukio HATTORI
(62) Divisional to Application Number	:NA	6)Hiroshi KAMIZUMA
Filing Date	:NA	

#### (57) Abstract:

A power conversion device capable of reducing a temperature variation between a plurality of semiconductor modules is provided. The power conversion device comprises condensers 121, 122, a plurality of semiconductor modules 101, 102, heat dissipation units 103 to 109, a bus bar 140 connecting the condensers 121, 122 with the plurality of the semiconductor modules 101, 102, and a ventilation unit having cool wind blow. The power conversion module has features that the plurality of semiconductor modules 101, 102 are arranged apart from the condensers 121, 122 and in a line in a longitudinal direction of the bus bar 140 and that the cool wind 150 blows in a direction from the condensers 121, 122 toward the plurality of semiconductor modules 101, 102 that are mounted.

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

(21) Application No.2090/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COMPOSITION OF HMB AND ATP AND METHODS OF 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> <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>	:A61K 31/19 :61/698919 :10/09/2012 :U.S.A. :PCT/US2013/059039 :10/09/2013 :WO 2014/040067 :NA :NA :NA	(71)Name of Applicant:  1)METABOLIC TECHNOLOGIES INC. Address of Applicant:2711 South Loop Drive Suite 4400 Ames Iowa 50010 U.S.A. (72)Name of Inventor: 1)BAIER Shawn 2)KOLB Larry 3)RATHMACHER John
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#### (57) Abstract:

The present invention provides a composition comprising HMB and ATP. Methods of administering HMB and ATP to an animal are also described. HMB and ATP are administered to increase power and strength. The combination of HMB and ATP together has a synergistic effect which results in a surprising and unexpected level of improvement in power and strength. HMB and ATP are also administered to increase lean body mass and muscle hypertrophy and to prevent typical declines in performance that are characteristic of overreaching.

No. of Pages: 52 No. of Claims: 11

(21) Application No.2159/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ORAL CARE 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>	:NA :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)BOYKE Christine 2)WU Donghui
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#### (57) Abstract:

An oral care system including an elongated member having tooth cleaning elements and a store of oral care material. In one aspect the invention can be a toothbrush comprising: a handle; a through slot extending through the handle; an elongated member rotatably coupled to the housing for rotation about a rotational axis the elongated member comprising: a toothbrush head located on a first side of the rotational axis; and a dispenser comprising a store of oral care material located on a second side of the rotational axis; a plurality of tooth cleaning elements extending from the toothbrush head; the elongated member rotatable about the rotational axis between: (1) a first state in which the toothbrush head protrudes from the handle while the dispenser is nested within the through slot; and (2) a second state in which the dispenser protrudes from the housing while the toothbrush head is nested within the through slot.

No. of Pages: 37 No. of Claims: 23

(21) Application No.2223/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: LOW PRESSURE TRANSALKYLATION 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</li> <li>Filing Date</li> </ul>	:C07C15/04 :13/645998 :05/10/2012 :U.S.A. :PCT/US2013/059339 :12/09/2013 :WO 2014/055212 :NA :NA	(71)Name of Applicant:  1)UOP LLC  Address of Applicant: 25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A.  (72)Name of Inventor:  1)RASHID Naiyl A.  2)BOLDINGH Edwin P.  3)SHIH Raymond  4)SCHREIER Marc R.  5)LAFYATIS David S.
Number Filing Date	:NA	4)SCHREIER Marc R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A process for transalkylation is described. The process operates at a lower pressure than a typical transalkylation processes and provides higher benzene purity with comparable or lower ring loss compared to the typical transalkylation process. The xylene selectivity is comparable to or higher than the standard process and the ethyl benzene selectivity is comparable to or lower than the standard process.

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

(22) Date of filing of Application :20/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL LAYER FOR LITHIUM ION BATTERY, AND POSITIVE ELECTRODE ACTIVE MATERIAL LAYER FOR LITHIUM ION BATTERY

(51) I (1) (1) (1) (1) (1) (1)	HOIM	(71)Name of April 2 and a
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Thority Document No	176599	Address of Applicant :1, Toyota-cho Toyota-shi, Aichi-ken,
(32) Priority Date	:29/08/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHINDO, Yohei
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a method for producing a positive electrode active material layer for a lithium ion battery that can improve the durability and internal resistance of a lithium ion battery, and particularly a lithium ion battery that operates at high voltage. [SOLUTION MEANS] The method for producing a positive electrode active material layer for a lithium ion battery according to the invention comprises coating a substrate with a positive electrode mixture slurry containing a positive electrode active material, a first lithium salt, a second lithium salt and a solvent, and drying off the solvent. In the present invention, the first lithium salt is lithium phosphate, the second lithium salt is selected from the group consisting of lithium carbonate, lithium hydroxide, lithium nitrate, lithium acetate, lithium sulfate and combinations thereof, and the proportion of the second lithium salt with respect to the first lithium salt is 1 to 50 mol% based on the number of lithium atoms.

No. of Pages: 23 No. of Claims: 7

(21) Application No.2339/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD AND SYSTEM FOR USING FINGERPRINTS TO TRACK MOVING OBJECTS IN VIDEO

<ul> <li>(51) International classification</li> <li>(31) 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>	:G06K9/00 :13/631,726 :28/09/2012 :U.S.A. :NA	Address of Applicant :100 NORTH RIVERSIDE PLAZA, CHICAGO, IL 60606-2016, UNITED STATES OF AMERICA 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> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)TERRELL NATHAN MUNDHENK 2)KYUNGNAM KIM 3)YURI OWECHKO

# (57) Abstract:

A method and system for tracking moving objects (155) in a sequence of images (110). In one illustrative embodiment, a current image (128) in the sequence of images (110) is segmented into a plurality of segments (138). Segments in the plurality of segments (138) belonging to a same motion profile are fused together to form a set of master segments (142). A set of target segments (154) is identified from the set of master segments (142). The set of target segments (154) represent a set of moving objects (155) in the current image (128). A set of fingerprints (156) is created for use in tracking the set of moving objects (155) in a number of subsequent images (162) in the sequence of images (110).

No. of Pages: 47 No. of Claims: 14

(22) Date of filing of Application :23/03/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention: PROCESS FOR PRODUCING A HIGH- MOLECULAR -WEIGHT POLYESTER OR COPOLYESTER, AND ALSO POLYMER BLENDS CONTAINING SUCH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:29/10/2013 :WO 2014/067954 :NA :NA	(71)Name of Applicant:  1)UHDE INVENTA FISCHER GMBH  Address of Applicant: Holzhauser Str. 157- 159, 13509 Berlin Germany (72)Name of Inventor:  1)HESS, Christopher; 2)HAGEN, Rainer;
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a process for producing a high- molecular- weight polyester or copolyester, which comprises at least three process steps. In a first process step, from at least one aromatic dicarboxylic acid or diester thereof, or acid anhydride thereof , and also at least one aliphatic dicarboxylic acid or diester thereof or acid anhydride thereof and also at least one dihydric alcohol and also the required amount of transesterification or polycondensation catalyst , a paste is produced. This paste, in a second step, is reacted at elevated temperature to form a prepolymer , and in the third process step this resultant prepolymer is polycondensed or copolycondensed at a pressure reduced compared with standard conditions. The process can be carried out continuously or else discontinuously. In addition , the invention relates to polyesters and copolyesters produced in such a manner and also biodegradable polymer blends containing such. The polyesters and copolyesters according to the invention are used for producing compostable mouldings, biodegradable foams and paper coating agents.

No. of Pages: 36 No. of Claims: 17

(22) Date of filing of Application :28/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: LIGHTING DEVICE FOR SURGICAL PURPOSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B 19/00 :10 2012 018 170.1 :14/09/2012 :Germany :PCT/EP2013/069161 :16/09/2013 :WO 2014/041172 :NA	(71)Name of Applicant: 1)CORLIFE OHG Address of Applicant:Feodor Lynen Str. 23 30625 Hannover Germany (72)Name of Inventor: 1)HAVERICH, AXEL 2)NOWAK, KAMIL 3)HARDER, MICHAEL
	:NA :NA	3)HARDER, MICHAEL
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a lighting device (100), which is equipped for fastening to a surgical instrument (200) or , by means of adapter (90; 91), to a body part (92), in particular a finger of a surgeon or of an operating room assistant , in order to serve as a light source during a surgical operation , in particular within a body cavity or organ cavity of genuine or traumatic origin and in other body regions that are difficult to access. At least one pin (20) pointing outward from the wall of the housing (10) is arranged on the housing (10) of the lighting device (100) in a wall area (30) directed toward the surgical instrument in the fastening position , which pin has a light outlet opening (40) at the distal end of the pin and is designed for passing through an opening (220) of the surgical instrument or of the adapter (90; 91) and thus establishing a form- closed or force closed connection to the opening. The pin (20) is preferably movable in order to achieve optimal illumination of the operation site. The invention further relates to a surgical instrument suitable for accommodating the lighting device (100) and a set comprising the lighting device (100) and at least one surgical instrument.

No. of Pages: 46 No. of Claims: 15

(21) Application No.2637/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :25/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TRANSFER ASSIST MEMBERS

<ul> <li>(51) International classification</li> <li>(31) 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 :14/483,621 :11/09/2014 :U.S.A. :NA :NA	
(87) International Publication No	: NA	1)WU, Jin
(61) Patent of Addition to Application Number	:NA	2)HERKO, Jonathan H.
Filing Date (62) Divisional to Application Number	:NA :NA	3)ZHANG, Lanhui
Filing Date	:NA :NA	

# (57) Abstract:

A transfer assist member comprising a plurality of layers, at least one of the layers being a check film layer comprised of a crosslinked alkoxyalkylated polyamide.

No. of Pages: 37 No. of Claims: 10

(22) Date of filing of Application :10/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR DETECTING A FAULTY CONNECTION OF AN AUXILIARY BATTERY

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	:G06F :1458460 :10/09/2014 :France	(71)Name of Applicant:  1)CONTINENTAL AUTOMOTIVE FRANCE Address of Applicant:1, Avenue Paul Ourliac - 31100 Toulouse - FRANCE France
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date (87) International Publication No</li> </ul>	:France :NA :NA : NA	2)CONTINENTAL AUTOMOTIVE GmbH (72)Name of Inventor: 1)LACHAIZE, Jr'me
<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	

#### (57) Abstract:

The present invention relates to a method for detecting a faulty connection of an auxiliary battery (6) incorporated in an auxiliary network (5) of a motor vehicle supplied by said auxiliary battery and by a non-reversible current source (4), such as a DC/DC voltage converter or an alternator, which is voltage controlled to supply an output voltage which is a function of the setpoint voltages. According to the invention, this detection method consists of determining at least one minimum and/or maximum voltage value which cannot be reached by the voltage at the terminals of the auxiliary battery (6), then assigning the function of setpoint value to the minimum and/or maximum voltage value, controlling the current source (4) by sending said setpoint value to it, measuring the voltage at the terminals of the auxiliary network (5), and deducing a faulty connection of the auxiliary battery (6) if there is a match between the measured voltage and the setpoint voltage. FIGURE 1

No. of Pages: 14 No. of Claims: 5

(22) Date of filing of Application :18/11/2008 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF SUBSTITUTED DECALIN -6-OL-1-ONE DERIVATIVES •

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:10 2007	1)SALTIGO GMBH
(31) Thority Document No	059 214.2	Address of Applicant :Katzbergstrasse 1 Langenfeld Germany
(32) Priority Date	:08/12/2007	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)DENYS BASKAKOV
(86) International Application No	:NA	2)ANDREAS JOB
Filing Date	:NA	3)PETER GLESS
(87) International Publication No	: NA	4)LARS RODEFELD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A process for the preparation of compounds of the formula: (Formula Removed) in which R1, R2, R3, R4 independently of one another, are hydrogen, C1-C6-alkyl or aryl, characterized in that the compounds of the formula (II): in which R1, R2, R3, R4 have the meaning given above, are cyclized in the presence of a catalyst in a solution of from I to 50% by weight of compounds of the formula (II) and the reaction mixture which thereby forms is optionally worked up by distillation, is described. Their use in a process for the preparation of agrochemicals, pharmaceutical active ingredients, fragrances and aroma substances, flavourings, cosmetics and polymers is likewise claimed.

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

(22) Date of filing of Application :20/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD OF DELIVERING AN ADVERTISING MESSAGE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:14/474,140	
(32) Priority Date	:31/08/2014	· ·
(33) Name of priority country	:U.S.A.	ISRAEL Israel
(86) International Application No	:NA	2)Idit Bnaya
Filing Date	:NA	3)Roy Porat
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Kobi SHMUELI
Filing Date	:NA	2)Idit Bnaya
(62) Divisional to Application Number	:NA	3)Roy Porat
Filing Date	:NA	

#### (57) Abstract:

A computer implemented method and system for delivering an advertising message to a user is disclosed. A media file containing an advertisement with an advertising message is output to a media playing device, user input responsive to a request for a predetermined user input related to the advertising message is received, and a predetermined action is taken if the received user input matches the predetermined user input, thereby confirming that the user has internalized the advertising message. The predetermined action may include skipping the commercial, crediting the user with rewards, or other predetermined action.

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

(21) Application No.2654/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :26/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: 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></ul>	:F02B :2014- 179491 :03/09/2014 :Japan	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan Japan (72)Name of Inventor:
(86) International Application No	:NA	1)YOSHIDA Isao
Filing Date	:NA	
(87) International Publication 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 internal combustion engine is equipped with a connecting rod and an oil jet. The connecting rod has a small end portion that is coupled to a piston, and the small end portioil and a large end portion that is coupled to a crankshaft are connected to each other by a sliaft portion. The oil jet injects oil toward a reverse face of the piston. With this internal combustion engine, a communication hole that opens toward the reverse face of the piston and that communicates with a pin hole is provided through the small end portion of the connecting rod. A lower portion of an inner peripheral face that forms the pin hole of the small end portion protrudes more in a direction of extension of a central axis of the pin hole than an upper portion. Selected drawing: FIG. 5

No. of Pages: 31 No. of Claims: 5

(22) Date of filing of Application :26/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TORSION BEAM TYPE SUSPENSION

(51) International classification	:B60G	(71)Name of Applicant:
(31) Priority Document No	:2014- 178016	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:02/09/2014	Hamamatsu-shi, Shizuoka-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Shinji TAKEDA
Filing Date	:NA	2)Shigeaki YASUIKE
(87) International Publication 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 an object of the present invention to provide a torsion beam type suspension capable of facilitating positioning of a torsion beam and a trailing arm, and more particularly positioning in a rotation direction. [Solution] The present invention includes: a torsion beam 5 at least the opposite ends of which in a longitudinal direction are provided with curvature portions bent in a direction intersecting the longitudinal direction, opposite end portions of each of the curvature portions being provided with projected edge portions 53 formed in a direction intersecting the longitudinal direction; and a pair of trailing arms 6 each of which is provided with a beam joining portion 6a that is to be joined to the curvature portion at each of the opposite ends of the torsion beam 5 in an overlapped manner, both trailing end portions of the beam joining portion 6a being provided with respective projected edge portions 69 formed in the same direction as the projected edge portions 53 of the torsion beam 5, and in the present invention, each of the trailing arms 6 includes: a first joining portion in which the trailing arm 6 and the curvature portion of the torsion beam 5 are overlapped with each other so that a top end of the curvature portion of the torsion beam 5 is joined; and a second joining portion in which an end face 69a of each of the projected edge portions 69 of the trailing arm 6 in an axial direction and an end face 53a of each of the projected edge portions 53 of the torsion beam 5 in the axial direction, facing each other, are brought into contact with each other to be joined. [Selected Drawing] Figure 10

No. of Pages: 29 No. of Claims: 11

(21) Application No.2652/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :18/12/2009 (43) Publication Date : 29/04/2016

## (54) Title of the invention: THROTTLE GRIP 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>	:2008- 329638	(71)Name of Applicant:  1)ASAHI DENSO CO. LTD.  Address of Applicant: 2-1 Somejidai 6-chome Hamakita-ku Hamamatsu-shi Shizuoka Japan Japan (72)Name of Inventor:  1)Michiyuki SUZUKI
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#### (57) Abstract:

A throttle grip apparatus is provided with: a throttle grip (1) rotatably mounted on a leading end of a handle bar (H) of a vehicle; a magnet (6) rotatable together with the throttle grip (1); a detector (13) for detecting variations in a magnetic field of the magnet (6) in a non-contact manner to detect a rotation angle of the throttle grip (1); and a frictional plate (9, 10) for generating a rotation load of the throttle grip (1). An engine of the vehicle is controlled based on a detected value of the detector (13). The frictional plate (9, 10) is disposed within the handle bar (H).

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :26/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PAPER-SHEET PROCESSING APPARATUS, MANAGEMENT APPARATUS AND PAPER-SHEET PROCESSING METHOD •

(51) International classification	:D21H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)GLORY LTD.
(31) I Hority Document No	202142	Address of Applicant :3-1, Shimoteno 1-chome, Himeji-shi,
(32) Priority Date	:30/09/2014	Hyogo-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TOMOMI INOUE
Filing Date	:NA	2)RYUJI KATAOKA
(87) International Publication 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 object of the present invention is to conform recognition information of a paper sheet stored in a memory unit and recognition information of a paper sheet actually left for a later step to each other. A paper-sheet processing apparatus 100 configured to process a paper sheet includes: a recognition unit 55 configured to recognize at least recognition information of the paper sheet; and a control unit 50 configured to output, to a memory unit 56, 560, the recognition information of the paper sheet having been recognized by the recognition unit 55. In a re-recognition process, when recognition information of a paper sheet has been recognized by the recognition unit 55, the control unit 50 is configured to correct, based on the recognition information, the recognition information stored in the memory unit 56, 560.

No. of Pages: 68 No. of Claims: 11

(22) Date of filing of Application :26/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: RECHARGEABLE BATTERY

(51) International classification	:H01M	(71)Name of Applicant :
(31) Priority Document No	:10-2014-	1)SAMSUNG SDI CO., LTD.
(32) Priority Date	0135110 :07/10/2014	Address of Applicant :150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 446-902, Republic of Korea Republic of
(33) Name of priority country	:Republic	Korea
(86) International Application No	of Korea :NA	(72)Name of Inventor : 1)SANG-KYOON PARK
Filing Date	:NA	2)YONG-CHUL SEO
(87) International Publication No	: NA	3)SEUNG-HO KWAK
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)JOONG-HEON KIM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An aspect of an exemplary embodiment of the present invention is directed toward a rechargeable battery for reducing the number of parts for electrically insulating an electrode assembly from a case as well as enabling sizes of the parts to be easily controlled. A rechargeable battery according to an exemplary embodiment of the present invention includes: an electrode assembly including electrodes at opposite sides of a separator, each of the electrodes having a coated region and an uncoated region, and the electrodes and the separator being spirally wound; an insulating case for accommodating the electrode assembly and allowing the uncoated regions to be drawn out through respective uncoated region holes; a case for accommodating the insulating case; and a cap plate coupled to an opening of the case and allowing electrode terminals respectively coupled to the uncoated regions to be drawn out through respective terminal holes.

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

(21) Application No.2272/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: COMBINE

(51) International classification	:A01D69/06,A01D41/02	(71)Name of Applicant:
(31) Priority Document No	:2011193461	1)YANMAR CO.LTD.
(32) Priority Date	:06/09/2011	Address of Applicant :1 9TsurunochoKita kuOsaka shi Osaka
(33) Name of priority country	:Japan	5308311 Japan
(86) International Application No	:PCT/JP2012/071474	(72)Name of Inventor:
Filing Date	:24/08/2012	1)MIZOBUCHI Norio
(87) International Publication No	:WO 2013/035557	2)SATO Takayasu
(61) Patent of Addition to Application	:NA	3)KUBOTA Akihiko
Number	:NA	4)OHARA Kenji
Filing Date	.IVA	5)YAMAMOTO Keisuke
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention addresses the problem of providing a combine which is configured so that mechanical vibration of a forward reverse rotation switching case (121) and a forward reverse rotation operating device (132) is reduced and so that the connection structure between the forward reverse rotation switching case (121) and the forward reverse rotation operating device (132) is simplified. The combine is provided with a harvesting device (3) a threshing device (9) and a moving machine body (1) which is provided with a moving section (2) and an engine (7) and the combine is configured so that stalks of grain are supplied from the harvesting device (3) to the threshing device (9). The combine is also provided with: the forward reverse rotation switching case (121) which inputs the rotational driving force of the engine (7) into the harvesting device (3); and the forward reverse rotation operating device (132). The forward reverse rotation switching case (121) is disposed on one of left and right harvesting device supports (231) by which the harvesting device (3) is supported and the forward reverse rotation operating device (132) is disposed on the other of the left and right harvesting device supports (231).

No. of Pages: 117 No. of Claims: 12

(21) Application No.2411/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD AND APPARATUS FOR OPERATING A MOTOR VEHICLE

(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	:102012108589.7 :14/09/2012	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant:PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY Germany (72)Name of Inventor: 1)SIEGFRIED LAHM
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#### (57) Abstract:

The present invention relates to a method for operating a motor vehicle having at least one drive unit which is in the form of an internal combustion engine and which is actuated by means of an accelerator pedal and a control unit which interacts with the accelerator pedal, in which method haptic feedback on the accelerator pedal indicates to a driver that, in response to reaching an accelerator pedal travel which is associated with a specific power requirement which is transmitted to the control unit, a defined action is initiated and carried out, this action causing a change in the driving mode, wherein the haptic feedback is realized as idle travel which is defined in a characteristic curve, which is stored in the control unit, of the accelerator pedal proceeding from the specific accelerator pedal travel. (Fig. 3)

No. of Pages: 15 No. of Claims: 9

(21) Application No.2485/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :12/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR HIGH POWER MICROWAVE COMBINING AND 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:14/460,924 :15/08/2014 :U.S.A. :NA :NA : NA :NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems and methods for high power microwave combining and switching are provided. In at least one implementation a system includes a plurality of inputs, wherein there are M inputs in the plurality of inputs and a plurality of phase shifters, wherein there are N phase shifters in the plurality of phase shifters and N is a multiple of two times M, wherein a signal received through the plurality of inputs is divided and coupled to N/M phase shifters. The system further includes an N:N Butler matrix coupled between outputs of the N phase shifters in the plurality of phase shifters and a plurality of outputs.

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

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ACTIVE MATERIAL, NONAQUEOUS ELECTROLYTE BATTERY, AND BATTERY PACK

(51) International classification	:H01M	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)KABUSHIKI KAISHA TOSHIBA
(31) Thomy Document No	188241	Address of Applicant :1-1, Shibaura 1-chome, Minato-ku,
(32) Priority Date	:16/09/2014	Tokyo 105-8001, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yasuhiro Harada
Filing Date	:NA	2)Kazuomi Yoshima
(87) International Publication No	: NA	3)Norio Takami
(61) Patent of Addition to Application Number	:NA	4)Hiroki Inagaki
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

According to one embodiment, there is provided an active material. The active material includes a composite oxide having an orthorhombic structure. The composite oxide is represented by the general formula Ti2(Nb1-xTax)2O9 ( $0 \le x \le 1$ ). The composite oxide has an average valence of niobium and/or tantalum of 4.95 or more.

No. of Pages: 76 No. of Claims: 7

(21) Application No.2379/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND DEVICE FOR MODELING A SURROUNDING

<ul><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>	:B60W30/00,G01S7/00,H02H7/00 :102012214307.6 :10/08/2012 :Germany :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)MIELENZ, HOLGER 2)HEIGELE, CHRISTIAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present subject matter related to a method for modeling of a surrounding of an object (4); in particular a vehicle. The method comprises the following steps, providing at least one cell (1, 2, 6, 7, 8, 9) with a unique identification, neighbourhood relationships, and availability information, determining a discrete object position (40) in the at least one cell (1, 2, 6, 7, 8, 9), and determining the position of the obstacle (3), and changing at least one discrete intermediate position in at least one of the provided cells (1, 2, 6, 7, 8, 9) between discrete obstacle position (31, 32) and discrete object position (40) such that this displays a free surrounding, if at least one such discrete intermediate position is present.

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

(21) Application No.2452/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ELEVATOR DOOR SYSTEM

(51) International classification	:B66B	(71)Name of Applicant:
	:2012-	1)HITACHI, LTD.
(31) Priority Document No	190652	Address of Applicant :6-6, MARUNOCHI 1-CHOME,
(32) Priority Date	:30/08/2012	CHIYODA-KU, TOKYO, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MATSUDO TAKASHI
Filing Date	:NA	2)OMIYA AKIHIRO
(87) International Publication No	: NA	3)HOSHINO TAKAMICHI
(61) Patent of Addition to Application Number	:NA	4)YOSHIKAWA TOSHIFUMI
Filing Date	:NA	5)INOUE SHINSUKE
(62) Divisional to Application Number	:NA	6)NAYA HIDEMITSU
Filing Date	:NA	

#### (57) Abstract:

In an elevator door system, a camera (8) for taking a video of a predetermined range SA set in the vicinity of a landing entrance (9) of a car (3) is provided on an upper portion of the car (3). A control unit (10) detects a presenceiabsence of a user U by analyzing video information from the camera (8) and if a user is detected, specifies a position and a velocity of the user. The control unit (10) determines whether the user is able to get on the car based on an opening/closing state of the door (5) and the position and the velocity of the user. If it is determined that the user is able to get on, the control unit (10) lowers the closing velocity of the door (5) relative to a current velocity. If it is determined that the user is unable to get on. the control unit (10) executes a predetermined operation such as reversing the operation of the door(5).

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

(22) Date of filing of Application :10/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PIPE INSPECTING APPARATUS AND PIPE INSPECTING METHOD

(51) International classification	:G01N	(71)Name of Applicant:
(21) Dai a vitas Da assessant Ma	:2014-	1)KABUSHIKI KAISHA TOSHIBA
(31) Priority Document No	212767	Address of Applicant :1-1, Shibaura 1-chome, Minato-ku,
(32) Priority Date	:17/10/2014	Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SASAKI Keiichi
Filing Date	:NA	2)ASAKURA Daisuke
(87) International Publication No	: NA	3)CHO Hiroaki
(61) Patent of Addition to Application Number	:NA	4)ENDOH Tetsuo
Filing Date	:NA	5)MATSUMOTO Shohei
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one embodiment, a pipe inspecting apparatus includes a selection module configured to select first and second ultrasonic optical probes from a plurality of ultrasonic optical probes attached to a pipe. The apparatus further includes a power supplying module configured to supply power to an ultrasonic transducer of the first ultrasonic optical probe to input an ultrasonic wave from the ultrasonic transducer to the pipe and to supply the ultrasonic wave via the pipe to an optical fiber sensor of the second ultrasonic optical probe. The apparatus further includes a light detection module configured to detect laser light transmitted through the optical fiber sensor of the second ultrasonic optical probe.

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

(21) Application No.2746/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AGITATOR BALL MILL

(51) International classification	:B02C17/16	(71)Name of Applicant :
(31) Priority Document No	:EPC 09177022.2	1)WILLY A. BACHOFEN AG Address of Applicant :JUNKERMATTSTRASSE 11, 4132
(32) Priority Date	:25/11/2009	MUTTENZ, SWITZERLAND Switzerland
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor : 1)LANG, FRANK RONALD
(86) International Application No	:NA	2)HABEGGER, ROGER
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:

An agitator ball mill for finely grindfng or dispersing a material comprises a grinding chamber (100) for accommodating grinding bodies and for accommodating the grinding material. The grinding chamber has an inlet (110) for the grinding material and is provided with an agitator (200) which can be driven in rotation and has agitating means (210) for moving the grinding bodies and the grinding material. A separating arrangement (300) for separating off the grinding bodies from the ground material is arranged in the grinding chamber. The grinding chamber also has a product outlet (320) for the material which has been ground and freed from grinding bodies, wherein the ground material passes through the separating arrangement into the product outlet. The separating arrangement is designed as a sedimentation centrifuge (300) which can be driven in rotation and has an axial entrance (332), or an entrance which is at least in the vicinity of the axis, for the material intermixed with the grinding bodies.

No. of Pages: 26 No. of Claims: 15

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM FOR A PAVER FOR DETERMINING A COOLING BEHAVIOR •

(51) International classification	:E01C	(71)Name of Applicant :
(31) Priority Document No	:14 182	1)Joseph Vgele AG
(31) Thomas Bocument 110	526.5	Address of Applicant :Joseph-Vgele-Strasse 1, 67067
(32) Priority Date	:27/08/2014	Ludwigshafen/Rhein, Germany Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)Henning DELIUS
Filing Date	:NA	2)Arnold RUTZ
(87) International Publication No	: NA	3)Martin BUSCHMANN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system (100) comprising a temperature measurement device (120) for repeatedly detecting temperature values of a pavement (3) laid by a paver (1). The system (100) is configured for ascertaining a temperature value for a specific measuring point (351, 351a, 351b) at at least two different moments in time by means of the temperature measurement device (120), said specific measuring point (351, 351a, 351b) lying in an area of the laid pavement (3). The system (100) additionally comprises an evaluation unit (140, 140a), said evaluation unit (140, 140a) being configured for determining a cooling behavior of the laid pavement (3). This is done by making use of the at least two different temperature values that have been detected for the specific measuring point (351, 351a, 351b) at the at least two different moments in time.

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

(21) Application No.2505/DEL/2015 A

(19) INDIA

(22) Date of filing of Application: 13/08/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: A RECIPROCATING-TYPE FEED GAS COMPRESSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F04B :201410436923.1 :29/08/2014 :China :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)SHANGHAI SHANG LONG COMPRESSOR  MANUFACTURE CO., LTD.  Address of Applicant: Building 2, Lixin Road 99, Malu Town,  Jiading District, Shanghai, P.R. China China (72)Name of Inventor:  1)WU, XIANGQI
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#### (57) Abstract:

The invention discloses a reciprocating-type feed gas compressor, comprising a body component, a power component and a compression component, the compressor body component comprises a crankcase and a mid-body, which are integrally formed and completely closed; the power component comprises an electromotor and a crankshaft connected to an electromotor output shaft through a flange, the crankshaft is connected to one end of a connecting rod, the other end of the connecting rod is connected to a crosshead, the connecting rod and the crosshead are arranged in the mid-body, the mid-body is provided with a crosshead slide-way, and two sides of the crosshead slide-way are respectively provided with a square hole; the compression component comprises a piston rod with one end connected to the crosshead, a piston connected to the tail end of the piston rod is arranged in the air cylinder, and the compression component comprises six levels of air cylinders. On the basis of the existing air cylinder number and cylinder diameter, the number and cylinder diameter of the air cylinders are increased by virtue of a unique structure of the invention, so that the gas treatment capacity of the compressor is improved; the number of air valves is increased, so that the pressure of the output gas is reasonably controlled, the exhaust pressure can be controlled within 7.9Mpa, and the gas displacement can reach 1384m3/min. Figure 1.

No. of Pages: 121 No. of Claims: 8

(22) Date of filing of Application :26/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : STRUCTURE FOR AN ELECTRICAL INSTALLATION OF A RAIL VEHICLE AND ASSOCIATED RAIL VEHICLE

(51) International classification :E01B (31) Priority Document No :14 58302 (32) Priority Date :04/09/201 (33) Name of priority country :France (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)ALSTOM TRANSPORT TECHNOLOGIES  Address of Applicant: 3 av Andr Malraux 92300 LEVALLOIS  PERRET, France France (72)Name of Inventor:  1)DELVAL, Damien 2)DUTRANOIT, Eric
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#### (57) Abstract:

The invention relates to a structure (2) for an electrical installation of a rail vehicle, of the type comprising a plurality of profiled elements (4) each extending along a longitudinal axis and forming a framework of the structure (2), and a plurality of elements (6) for assembling the profiled elements (4) relative to one another, the profiled elements forming a first base (10), a second base (12) and a body (14) connecting the bases (10, 12) to one another. The profiled elements (4) are each in a single piece including an integral outer wall (16), with a closed and continuous radial section. The structure comprises at least one profiled element forming a crosspiece between a first profiled element and a second profiled element belonging to the body. The plurality of assembly elements (6) is made up of only three models of different assembly elements.

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

(21) Application No.2905/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/04/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MACROCYCLIC FLT3 KINASE INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) 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>	:C07D471/22 :PCT/EP2011/067084 :30/09/2011 :EPO :PCT/EP2012/069252 :28/09/2012	Address of Applicant :20 Rue Jean Mazen B.P. 27 627 F 21076 Dijon Cedex France (72)Name of Inventor:
•		7
•	:30/09/2011	1.1
	:EPO	21076 Dijon Cedex France
(86) International Application No	:PCT/EP2012/069252	(72)Name of Inventor:
Filing Date	:28/09/2012	1)BLOM Petra Marcella Fran§oise
(87) International Publication No	:WO 2013/045653	2)HOFLACK Jan Marie Cyriel Jozef
(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 macrocylic compounds and compositions containing said compounds acting as kinase inhibitors in particular as inhibitors of FLT3 (FMS Related Tyrosine kinase 3). Moreover the present invention provides processes for the preparation of the disclosed compounds as well as methods of using them for instance as a medicine in particular for the treatment of cell proliferative disorders such as cancer.

No. of Pages: 138 No. of Claims: 18

(21) Application No.2394/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :05/10/2010 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PORTABLE WATER PURIFIER

(51) International classification	:B41D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KATIYAR, KARUNENDRA SINGH
(32) Priority Date	:NA	Address of Applicant :D-575, PUL PEHLADPUR,
(33) Name of priority country	:NA	BADARPUR, NEW DELHI-110044, INDIA Delhi India
(86) International Application No	:NA	2)KAUSHIK, SHRUTI
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)KATIYAR, KARUNENDRA SINGH
(61) Patent of Addition to Application Number	:NA	2)KAUSHIK, SHRUTI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This invention relates to a water purification system to provide a unique integration of RO membranes and programmed TDS controller which gives an output of range 50-300 every time, at every location, and with any water source. More particularly, the present invention relates to a water purification system to provide drinking water having constant Total Dissolved Solids (TDS) range which is acceptable and fit for human consumption.

No. of Pages: 16 No. of Claims: 9

(22) Date of filing of Application :26/03/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : DEBURRING APPARATUS WITH DRIVING MEANS FOR ROTATABLY AND REVERSIBLY DRIVING THE APPARATUS TO AND AWAY OF A BILLET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B23D 79/04 :12425167.9 :12/10/2012 :EPO :PCT/EP2013/070261 :27/09/2013 :WO 2014/056741 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant: Turmstrasse 44, A-4031 Linz Austria (72)Name of Inventor: 1)MENEI, Paolo
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### (57) Abstract:

The present application relates to an apparatus (25, 25') for removing burrs (22) on billets (20), this apparatus (25, 25') comprising a supporting element (26, 26'), at least two arms (28, 30, 28', 30') extending from said supporting element, deburring means (24, 34, 24', 34') being supported by the arms (28, 30, 28', 30'), driving means (35) for driving rotatably and reversibly the apparatus (25, 25') between a stand 'by position wherein the apparatus (25, 25') is spaced apart from the billet (20) to be deburred and a working position wherein the deburring means (24, 34, 24', 34') are close to the billet (20) to be deburred and are able to contact a burr (22).

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

(22) Date of filing of Application :18/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: WEARABLE BIOMETRIC INFORMATION MEASUREMENT DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F :10-2014- 0107298	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO., LTD.  Address of Applicant: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea Republic of
(33) Name of priority country	:Republic of Korea	Korea (72)Name of Inventor :
<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 Filing Date</li> </ul>	:NA :NA : NA :NA :NA :NA :NA	1)Jae-Hong KIM 2)Jea-Hyuck LEE 3)Jin-Hong MIN 4)Jae-Geol CHO

### (57) Abstract:

A biometric information measurement device is provided. The device includes a substrate unit including components required for operation of the biometric information measurement device, and electrodes for measuring biometric information. The components and the electrodes are disposed on a single side of the substrate unit. The device also includes a case having a first surface and a second surface. The first surface is attached to an attachment pad for attaching the biometric information measurement device to a body, and the second surface faces the single side of the substrate unit. The electrodes are each exposed through respective openings in the first surface.

No. of Pages: 91 No. of Claims: 20

(21) Application No.2614/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: WIND TURBINE AIR DEFLECTOR SYSTEM CONTROL

(51) International classification	:F03D	(71)Name of Applicant:
(31) Priority Document No	:14/484,878	1)Frontier Wind, LLC
(32) Priority Date	:12/09/2014	Address of Applicant :100 Four Falls Corporate Center, Suite
(33) Name of priority country	:U.S.A.	215, West Conshohocken, PA 19428, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Jeffrey A. Butterworth
(87) International Publication No	: NA	2)Tobias G. Wehrhan
(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 controllers may perform one or more methods to control one or more air deflector units of one or more wind turbine rotor blades. The methods include per-blade control methods that may be performed, e.g., to reduce blade loading caused by wind gusts. The methods also include collective control methods that may be performed, e.g., to reduce tower motion and/or rotor speed.

No. of Pages: 87 No. of Claims: 21

(22) Date of filing of Application :03/10/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ENHANCEMENTS TO VOLTE MOBILITY SCENARIOS TO HANDLE CO-EXISTENCE OF IMS AND NON-IMS VOICE BEARERS WITH QOS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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	(71)Name of Applicant:  1)NOKIA SOLUTIONS AND NETWORKS OY Address of Applicant: KARAPORTI 3, FI - 02610 ESPOO, FINLAND, Finland (72)Name of Inventor: 1)SELVAGANAPATHY, SRINIVASAN 2)WONG, CURT 3)RAVINDRAN, PARTHASARATHI 4)SERAFINO DARIO
Filing Date	:NA	4)SERAFINO, DARIO
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides methods, apparatuses and a computer program product relating to enhancements to Voice over LTE (Long Term Evolution) mobility scenarios to handle co-existence of IMS IP (Multimedia Subsystem) and non-IMS voice bearers with QoS (Quality of Service). The present invention includes composing, at a first network element, a message including an indication whether or not a voice bearer supports call continuity, and causing transmission of the message to a second network element. - Fig. 3 -

No. of Pages: 46 No. of Claims: 33

(21) Application No.2445/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A NEW CRYSTALLINE FORM OF MAXACALCITOL

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)FORMOSA LABORATORIES INC.
(31) Friority Document No	181178	Address of Applicant :NO. 36-1, HOPING STREET,
(32) Priority Date	:17/08/2012	LOUCHU TOWNSHIP, TAOYUAN, TAIWAN, R.O.C. Taiwan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)WEI, CHING-PENG
Filing Date	:NA	2)HAUNG, PEI-CHEN
(87) International Publication 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 maxacalcitol hydrate, a new crystalline form of maxacalcitol, with superior technical properties e.g. in the manufacture of crystal suspension formulations, and with superior stability properties.

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

(21) Application No.2517/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :14/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR MANAGING AN ELECTRONIC MEDICAL RECORD AND AN EMR MANAGEMENT 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>	:103129932 :29/08/2014 :Taiwan :NA :NA : NA : NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method is for managing an electronic medical record ,EMR, entry which is to be written into a data storage device (30) possessed by a patient and includes generating information associated with a health professional who provides a health care service that results in the EMR entry (12), and a location which is related to the health care service, determining whether to permit writing of the EMR entry (12) into the data storage device (30) according to the information thus generated, determining whether the patient agrees with writing of the EMR entry (12) into the data storage device (30) according to input of the patient, and writing the EMR entry (12) into the data storage device (30) when writing of the EMR entry (12) is permitted by the EMR management system (100) and is agreed upon by the patient.

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

(22) Date of filing of Application :14/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: YARN WINDING DEVICE, YARN JOINING METHOD, AND YARN JOINING UNIT

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Murata Machinery, Ltd.
(32) Priority Date	174817 :29/08/2014	Address of Applicant :3 Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MIMA Hiroshi
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In a yarn defect removing operation for removing a yarn defect, a yarn stored in a yarn storage section is first pulled out towards a yarn supplying section and sucked and held with a lower air sucker (S201). Next, the lower air sucker is retracted (S202), and a lift lever is swung to lift up the yarn (S203). Then, a yarn is introduced to a yarn joining device by a yarn moving lever (S204). Thus, a yarn portion on a yarn supplying section side of the yarn defect and a yarn portion on a yarn storage section side of the yarn defect are introduced to the yarn joining device in a state connected to each other. The yarn defect is removed by cutting the introduced yarn by a cutter of the yarn joining device (S205).

No. of Pages: 69 No. of Claims: 13

(21) Application No.2519/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :14/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ALTITUDE DETECTING UNIT, LOADING/DRIVING APPARATUS, AND ALTITUDE DETECTING METHOD

(51) International Tracification	C01C	(71) No. 10 C. April 1994
(51) International classification	:G01C	(71)Name of Applicant :
(31) Priority Document No	:2014-	1)HORIBA, Ltd.
(31) Thomas Bocament 110	167973	Address of Applicant :2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:20/08/2014	Minami-ku, Kyoto-shi, Kyoto 601-8510, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)FUKAMI, Shun
Filing Date	:NA	2)URATANI, Katsumi
(87) International Publication 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 intends to provide an altitude detecting unit capable of, while utilizing both the advantages of a satellite positioning system and a pressure sensor, making an altitude measurement error, which may occur when combining them, as small as possible, and provide the others, and has determined a conversion expression adapted to convert from pressure into altitude such that at each of multiple valid altitude measurement points at which a satellite positioning system detects accurate altitude, altitude based on pressure is mate equal to altitude by the satellite positioning system.

No. of Pages: 31 No. of Claims: 5

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : DYNAMIC TDMA MEDIUM ACCESS CONTROL STRUCTURE FOR 1-MBPS SELF-FORMING RADIO NETWORK

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Director General, Defence Research & Development
(32) Priority Date	:NA	Organisation
(33) Name of priority country	:NA	Address of Applicant : Ministry Of Defence, Govt. of India,
(86) International Application No	:NA	Room No. 348, DRDO Bhawan, Rajaji Marg, New Delhi-110011,
Filing Date	:NA	India Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SUMAN, Bhupendra
Filing Date	:NA	2)PATEL, Neeraj Kumar
(62) Divisional to Application Number	:NA	3)MANGAL, L C
Filing Date	:NA	

## (57) Abstract:

The invention relates to mobile self-forming networks, which are based on MAC design. Conventionally, the MAC design may be implemented using static TDMA schemes. However, in the static TDMA schemes, nodeTMs time slot gets wasted, when it does not have traffic to transmit. To this end, the invention provides a dynamic TDMA frame structure comprising a plurality of control slots and a plurality of data slots, more specifically, one Network Entry Slot (NES), 16 Network Control Slots (NCS1|NCS16) and 28 data slots (DS1,|DS28). Duration of each control/data slot is 2ms, while total duration of the TDMA frame structure is 90ms. To effectively utilize the NCS bandwidth capacity, traffic of critical timing nature and other important network management traffic are included in the NCS. Said dynamic TDMA frame structure economizes channel bandwidth needed, achieves greater capacity, and enhances delay performance.

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

(21) Application No.1914/DEL/2008 A

(19) INDIA

(22) Date of filing of Application :12/08/2008 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AN ECONOMICAL METHOD OF PREPARING GOLD ORNAMENTS

(51) International classification (31) Priority Document No (32) Priority Date	:NA :NA	(71)Name of Applicant:  1)KAPIL MALIK  Address of Applicant:256, OM SUBHAM TOWER,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	NEELAM BATA ROAD, FARIDABAD, NEW INDUSTRIAL TOWN (NIT), PIN-121001 Haryana India
Filing Date (87) International Publication No	:NA :NA	(72)Name of Inventor: 1)KAPIL MALIK
(61) Patent of Addition to Application Number	:NA	I)KAI IL WALK
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

This invention relates to an economical method for manufacturing gold ornaments such as bangle comprising steps of: -manufacturing a seamless tube of base metal and gold, -insertion of said base metal tube into the gold tube,- drawing both the tubes, and pressing both the tubes from inside and outside. This invention also relates to an economical method of manufacturing gold ornaments such as chain comprising steps of: -insertion of copper wire into the gold seamless tube, -drawing of tube and wire, -feeding to the chain-making machine followed by cutting to the required size.

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

(21) Application No.2171/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEMS DEVICES AND METHODS FOR PROVIDING THERAPY WITH IMAGE GUIDANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B17/00 :61/694478 :29/08/2012 :U.S.A. :PCT/US2013/057274 :29/08/2013 :WO 2014/036247 :NA :NA :NA	(71)Name of Applicant:  1)ENTRIGUE SURGICAL INC.  Address of Applicant:12672 Silicon Drive Suite 150 San Antonio TX 78249 U.S.A. (72)Name of Inventor:  1)DINGER III Fred B. 2)NALLURI Prasad
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(57) Abstract:

Systems devices and methods comprising an instrument for treating an anatomical opening such as a paranasal sinus.

No. of Pages: 38 No. of Claims: 32

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: VEHICLE ALTERNATING-CURRENT GENERATOR •

## (57) Abstract:

The present invention relates to a vehicle alternating-current generator. The vehicle alternating-current generator comprises a wound stator and a rotor. The wound stator comprises: a stator and a plurality of wires. The stator has a plurality of radial grooves arranged at an inner circumference of the stator. Each of the plurality of wires comprises: a first end, a second end, and a plurality of wave-shaped coils located between the first end and second end. Each wave-shaped coil is formed of straight portions and curved portions that alternate with each other. The straight portions of each wire are sequentially embedded in corresponding grooves of the stator, so that each of the grooves is embedded with the wires. The rotor is placed in the wound stator in a coaxial form.

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

(21) Application No.2688/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ELECTRIC MACHINE FRAME AND ELECTRIC MACHINE HAVING THE ELECTRIC MACHINE FRAME

Filing Date :NA 1)JUN YI LI 2)WEI SUN  (87) International Publication No : NA 2)WEI SUN  (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	:NA :NA	Address of Applicant :Wittelsbacherplatz 2, 80333 M¼nchen, Germany Germany (72)Name of Inventor :  1)JUN YI LI
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------	------------	----------------------------------------------------------------------------------------------------------------

## (57) Abstract:

Disclosed in the present utility model is an electric machine frame (1), having an upper side plate (2) a lower si.de plate (3) capable of being mounted and connected to the upper side plate, and multiple support plates (4) which are located inside the frame (1). and support an electric machine stator, with at least one rib (5) being arranged on the lower side plate (3). The frame with the above structure has the advantages of high strength and good heat dissipation performance.

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

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CONVERGENT MONOTONIC MATRIX FACTORIZATION BASED ENTIRE FRAME IMAGE PROCESSING

(51) International classification	:G09G5/36	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
(32) Priority Date	:NA	Address of Applicant : Kanpur, Uttar Pradesh, 208016, India
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Yogesh Kumar SONIWAL
(87) International Publication No	: NA	2)Amit MITRA
(61) Patent of Addition to Application Number	:NA	3)Venkatesh K SUBRAMANIAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Technologies are generally described for the display of images by employing monotonic matrix factorization and sub-frame approximation image integration. In some examples, drive signals for a display device may be generated by iteratively applying a monotonic non-negative matrix factorization (NNMF) process to source image data. A given iteration of the monotonic NNMF process may result in approximation image data, partial sum image data, and residue image data, some or all of which may be further processed via subsequent iterations of the monotonic NNMF process. A generated approximation image data may then be displayed during a sub-frame time interval by selective activation of multiple row and column drivers. A series of such displayed approximation image data may effectively correspond to the original source image. In particular, the monotonic NNMF process may allow the generation of non-negative residue image data without the use of element reduction.

No. of Pages: 52 No. of Claims: 10

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : YARN MONITORING DEVICE, YARN WINDING MACHINE AND YARN MONITORING METHOD

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)MURATA MACHINERY, LTD.
(31) Thority Document No	195963	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:26/09/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KAWABATA Satoshi
Filing Date	:NA	
(87) International Publication 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 monitoring device (15) includes a sensor unit (35), an acquiring section (55), a setting section (58), and an evaluating section (53). The sensor unit (35) outputs a detection value corresponding to presence/absence of the yarn (10) in the detection region (36) and/or a state of the yarn (10). The acquiring section (55) acquires the detection value in a state where there is no yarn (10) in the detection region (36). The setting section (58) sets an evaluation reference value based on at least one of a plurality of detection values obtained by repeating the acquisition of the detection value by the acquiring section (55) until the yarn (10) is introduced to the detection region (36). The evaluating section (53) evaluates the state of the yarn (10) based on the evaluation reference value set by the setting section (58).

No. of Pages: 69 No. of Claims: 13

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : YARN STORAGE DEVICE AND YARN WINDING DEVICE EQUIPPED WITH YARN STORAGE DEVICE

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)MURATA MACHINERY, LTD.
(31) Thority Document No	183754	Address of Applicant :3 Minami Ochiai-cho, Kisshoin,
(32) Priority Date	:10/09/2014	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIRUKAWA Masao
Filing Date	:NA	2)HIRAO Osamu
(87) International Publication No	: NA	3)MIYANO Ken
(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 configuration for reliably obtaining the fluff laying effect in a yarn winding machine including a yarn storage device (5). An automatic winder includes a yarn supplying section, a yarn storage device (5), and a package forming section. The yarn storage device (5) winds and stores a yarn (20) of the yarn supplying section. The package forming section winds the yarn (20) pulled out from the yarn storage device (5) to form a package. The yarn storage device (5) includes a yarn storage roller (32) around which the yarn (20) is wound. An outer circumferential surface of the yarn storage roller (32) includes a storage region surface (32e) in which the yarn (20) is wound in an aligned manner, and a pull-out region surface (32f) through which the yarn (20) passes when the yarn (20) wound in the storage region surface (32e) is pulled out toward the package forming section side. A surface roughness of the pull-out region surface, which is a surface that the yarn (20) passing the pull-out region surface (32f) contacts, is greater than a surface roughness of the storage region surface (32e), which is a surface that the yarn (20) wound in the storage region surface (32e) contacts.

No. of Pages: 43 No. of Claims: 11

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A SYSTEM AND A METHOD FOR FREE SPACE OPTICAL COMMUNICATIONS

<ul><li>(51) International classification</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>	:H04B10/11 :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY DELHI Address of Applicant: Hauz Khas, New Delhi 110 016, (India). Delhi India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)CHANDRA, Vinod 2)CHADHA, Devi
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)DUBEY, Vineeta
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A System and a Method for Free Space Optical Communications Diversity combining schemes have been extensively used in wireless and free space optical communication systems. The present invention of a system and method for free space optical communications where multiple gain combiner (MGC) provides a better performance as compared to selection combining (SC) and equal gain combining (EGC) and can also be used for wireless applications. It also gives a cost effective solution with a minimal degradation in quality when maximal ratio combining (MRC) is compared in terms of hardware complexity and implementation cost. There is no need for present channel state information. Also, Adaptive weight adjustment is not required in present invention. Therefore, the MGC of system and method disclosed in the present invention is a simple, cost effective and high performance diversity combiner. Fig 1

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

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: Method and System for Accessing Applications in Non-Traceable Mode

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Electronics Pvt Ltd.
(32) Priority Date	:NA	Address of Applicant :Logix Cyber Park Tower C 8th to 10th
(33) Name of priority country	:NA	floor, Tower D, Ground to 10th floor, Plot No.C - 28-29, Sector -
(86) International Application No	:PCT//	62, Noida-201301 (U.P), India Delhi India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)Mohd Shariq
(61) Patent of Addition to Application Number	:NA	2)Tasleem Arif
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The embodiments herein provide a method and system for controlling operation of a multi-window in a split scheme. The method allows the users to selectively activate a non-traceable mode for at least one split window of the multi window. The nontraceable mode maintains a private session to restrict storage of activity data corresponding to at least one application associated with said at least one split window. The method includes automatically switching at least one split window of the multi window from a traceable mode to said non-traceable mode to shift an application to split window in the non-traceable module. FIG. 3

No. of Pages: 67 No. of Claims: 24

(21) Application No.2551/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR CONTROLLING AT LEAST ONE OPERATIONAL PARAMETER OF 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> </ul>	:F02D :14/465,217 :21/08/2014 :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	2)CHUAN WANG 3)CARL H.NEUSCHAEFER 4)ARMAND A. LEVASSEUR

### (57) Abstract:

A method for controlling at least one operational parameter of a plant (1) having a combustion unit (3) can include estimating a status of at least one operational variable of the plant to identify an estimated value for the operational variable. For each operational variable, the estimated value for the operational variable can be compared with a measured value of the operational variable to determine an uncertainty value based on a difference in value between the measured value and the estimated value for the operational variable. A control signal can be generated based on a reference signal, the measured value, and the deviation value for sending to at least one element of the plant (1) for controlling a process of the plant (1).

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

(21) Application No.2552/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MUFFLER ASSEMBLY OF MOTORCYCLE

(51) International classification	:F01N	(71)Name of Applicant:
(21) D. i i. D N.	:2014-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	169536	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:22/08/2014	Hamamatsu-shi, Shizuoka, 432-8611, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Tetsuji TAKEDA
Filing Date	:NA	
(87) International Publication 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 muffler assembly of a motorcycle includes: a first muffler which is attached to a downstream end of an exhaust pipe through which exhaust gas discharged from an engine flows; and a second muffler through which exhaust gas flows that has flown through the first muffler, a rear portion of the first muffler which is disposed at the rear of the engine is set in a space that is enclosed by a center stand located at a retracted position, and in a side view a top wall of the first muffler overlaps with a swing arm which supports a rear wheel.

No. of Pages: 34 No. of Claims: 4

(21) Application No.2553/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MUFFLER ASSEMBLY OF MOTORCYCLE

(51) International classification	:F01N	(71)Name of Applicant :
(31) Priority Document No	:2014- 169537	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:22/08/2014	Hamamatsu-shi, Shizuoka, 432-8611, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Tetsuji TAKEDA
Filing Date	:NA	
(87) International Publication 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 muffler assembly of a motorcycle has a first muffler which is attached to a downstream end of an exhaust pipe through which exhaust gas discharged from an engine flows and a second muffler through which exhaust gas flows that has flown through the first muffler, the first muffler includes: an enclosure which forms an expansion room where exhaust gas expands; a catalyst which is disposed inside the enclosure at a side of an inlet of the first muffler; an internal exhaust pipe which is disposed inside the enclosure and whose upstream end is connected to the catalyst; and an open end forming portion which is disposed downstream of the internal exhaust pipe and through which exhaust gas that has flown through the internal exhaust pipe is discharged to inside the enclosure, and the internal exhaust pipe is formed spirally, and the open end forming portion is located above the catalyst.

No. of Pages: 34 No. of Claims: 5

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: GAS CONCENTRATION DETECTING DEVICE

(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  (88) International Publication No Filing Date (89) International Publication Number Filing Date (80) Divisional to Application Number Filing Date (81) International Publication No Filing Date  Filing Date  SNA  Filing Date  SNA  Filing Date  SNA	7 (71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan Japan (72)Name of Inventor: 1)MIZUTANI Keigo 2)SHIMOKAWA Hironobu 3)WAKAO Kazuhiro 4)HASHIDA Tatsuhiro 5)AOKI Keiichiro
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### (57) Abstract:

A gas concentration detecting device includes a gas concentration detecting element (10; 20; 30) and an electronic control unit (81). The gas concentration detecting element (10; 20; 30) includes a first electrochemical cell (lie). The electronic control unit (81) is configured to detect the concentration of the sulfur oxide contained in the test gas based on a first detected value correlated with a current flowing through the first electrochemical cell (lie) acquired when a first predetermined voltage is applied to the first electrochemical cell (12c). The first predetermined voltage is a voltage at which the water and the sulfur oxide contained in the test gas are decomposed in the first electrode (11a) of the first electrochemical cell (lie). Selected drawing: FIG. 1

No. of Pages: 55 No. of Claims: 18

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : MANUALLY CONTROLLED VARIABLE COVERAGE HIGH RANGE ELECTROSTATIC SPRAYER

(51) International classification	:B05B5/03	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PATEL MANOJ KUMAR
(61) Patent of Addition to Application Number	:NA	2)GHANSHYAM C
Filing Date	:NA	3)KAPUR PAWAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A system for spraying liquid pesticides with enhanced performance to crops and orchards, combines an air-assisted nozzle and electrostatic induction charging, low voltage de power supply raised to several kilovolts which is applied to a ring. electrode embedded at a selected distance in the nozzle, spray nozzle made of insulating material to avoid the shock and hazardous, an external air assistance system which supplies compressed air to assist the finely divided liquid spray, movable support system for air supplies whose variation of spray coverage is from parallel to the spray center line  $(0^{\circ})$  to maximum target spray overage, flexible spring system to compress or elongate the air supply to change the spray coverage, manually controlled trigger system to compress or elongate the springs, to transport electrostatically charged droplets to intended target with variable spray canopy coverage, applicabe in high wind and transient agro-climatic conditions.

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

(21) Application No.2194/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SUSTAINED RELEASE ORAL DOSAGE FORMS COMPRISING LOW MELTING PROPIONIC ACID DERIVATIVE PARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:16/09/2013 :WO 2014/047005 :NA :NA	(71)Name of Applicant: 1)MCNEIL PPC INC. Address of Applicant:199 Grandview Road Skillman New Jersey 08558 U.S.A. (72)Name of Inventor: 1)BAGCHI Saumitra 2)VUPPALA Murali K.
- 14/	:NA :NA :NA	

## (57) Abstract:

Low melting propionic acid derivative particles that are free flowing and have significantly reduced or eliminated throat burn are disclosed. A method of manufacturing the low melting propionic acid derivative particles; dosage forms containing the low melting propionic acid derivative particles; methods of manufacturing the dosage forms; and methods of treatment using the dosage forms are also disclosed.

No. of Pages: 17 No. of Claims: 3

(21) Application No.2336/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR UTILIZING MULTIPLE SENSORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/598,115 :29/08/2012 :U.S.A. :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)BUEHLER, Eric Daniel 2)McCauley, David Kevin
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A sensor system (10) having multiple sensors (14) and having a grid generator (12) projecting into space a relative navigation grid (24) and a method of utilizing multiple airborne sensors (14) operably coupled to an aircraft (10) and coordinating the sensor outputs from the airborne sensors (14) based on the determined spatial location of the multiple sensors (14).

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

(22) Date of filing of Application :23/03/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ULTRAFINE CRYSTAL ALLOY RIBBON, FINE CRYSTAL SOFT MAGNETIC ALLOY RIBBON, AND MAGNETIC PARTS 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>	:C22C 38/00 :2012198087 :10/09/2012 :Japan :PCT/JP2013/074351 :10/09/2013 :WO 2014/038705 :NA :NA	(71)Name of Applicant:  1)HITACHI METALS, LTD.  Address of Applicant: 2- 1, Shibaura 1- chome, Minato -ku, Tokyo 1058614 Japan (72)Name of Inventor:  1)MOTOKI OHTA 2)YOSHIHITO YOSHIZAWA
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An ultrafine crystal alloy ribbon having a structure expressed by the general formula Fe ioo-x-y-zAx By Xz (A is Cu and/or Au; X is at least one element selected from Si, S, C, P, Al, Ge, Ga, and Be; and x, y, and z are each atomic percentages fulfilling the conditions 0 < x = 5, 8 = y = 22, 0 = z = 10, and x + y + z = 25.), ultrafine crystal grains that have an average grain size no greater than 30 nm having a volume percentage greater than 0 within the noncrystalline parent phase, the ribbon having a dispersed structure in a ratio less than 30 volume percent, and a region of ultrafine crystal grain scarcity, in which the number density of the ultrafine crystal grains is less than 500/um2, being formed in a region 0.2 mm wide as measured from the side ends of the ribbon.

No. of Pages: 44 No. of Claims: 5

(21) Application No.2337/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND SYSTEM OF IMPLEMENTING DATA LOAD PROTOCOLS

(51) International classification	:H04L29/00	(71)Name of Applicant:
(31) Priority Document No	:1214921.7	1)GE Aviation Systems Limited
(32) Priority Date	:22/08/2012	Address of Applicant :Bishops Cleeve, Cheltenham,
(33) Name of priority country	:U.K.	Gloucestershire GL52 8SF (GB) U.K.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WOOD, Timothy John
(87) International Publication No	: NA	2)WALKER, Randal Kevin
(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 uses a proxy device (22) to enable use of a standard data load protocol (18) to load data to a target device (26) that is incompatible with the standard data load protocol. FIGURE 2

No. of Pages: 16 No. of Claims: 8

(22) Date of filing of Application: 12/08/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention : MULTI-JUNCTION WAVEGUIDE CIRCULATOR USING DUAL CONTROL WIRES FOR MULTIPLE FERRITE ELEMENTS •

(32) Priority Date :15/0	1)HONEYWELL INTERNATIONAL INC. Address of Applicant :101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, United States of America U.S.A. (72)Name of Inventor: 1)ADAM M. KROENING 2)SEAN FORNEY A A A
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### (57) Abstract:

In at least one embodiment, a circulator module comprises circulators. Each circulator comprises: an internal cavity; ports extending from the internal cavity wherein at least one port connects the circulator to another circulator; and a fernte element disposed in the internal cavity, the ferrite element including an aperture. The circulator module further comprises a first control wire, wherein a first portion of the first control wire is disposed in an aperture of the ferrite element of the first circulator and wherein a second portion of the first portion of the second control wire is disposed in an aperture of the ferrite element of the first circulator and wherein the second control wire is not disposed in an aperture of the ferrite element of the second circulator.

No. of Pages: 31 No. of Claims: 10

(21) Application No.3053/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ALUMINIUM CORE BUCKLING RESTRAINED BRACE FOR ENERGY DISSIPTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:E04B1/24, E04B1/98 :NA	(71)Name of Applicant :  1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant :INDIAN INSTITUTE OF
(32) Priority Date	:NA	TECHNOLOGY KANPUR, KANPUR-208016, UTTAR
(33) Name of priority country	:NA	PRADESH, INDIA, Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DURGESH C. RAI
(87) International Publication No	: NA	2)VIJAY PAL SINGH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

This invention relates to a buckling restrained bracing device comprising a metallic core sandwiched between restraining_plates wherein at least one restraining plate is provided with anti buckling means and the core is having a hump.

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

(22) Date of filing of Application :20/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DRIVE CONTROL SYSTEM FOR HYBRID VEHICLE

(51) International classification	:B60K	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Thority Document No	210073	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi, 471-
(32) Priority Date	:14/10/2014	8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HATA, Kensei
Filing Date	:NA	2)IWASE, Yuji
(87) International Publication No	: NA	3)SUZUKI, Yosuke
(61) Patent of Addition to Application Number	:NA	4)MURAKAMI, Akira
Filing Date	:NA	5)NISHIMINE, Akiko
(62) Divisional to Application Number	:NA	6)MURATA, Sohei
Filing Date	:NA	

### (57) Abstract:

A drive control system for preventing damage from a power distribution device under a motor mode and for improving fuel efficiency. A time duration from termination of the first operating mode where a torque of the first motor is applied to the power distribution device while halting a carrier (at step S4), and a temperature of the power distribution device is estimated based on the calculated time duration (at step S13). The first operating mode is enabled if the estimated temperature is lower than a predetermined allowable temperature (at step S15), and inhibited if the estimated temperature is higher than the allowable temperature (at step S10).

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :27/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A COMBUSTION SYSTEM AND A METHOD FOR OPERATING A COMBUSTION SYSTEM

(51) International classification	:F02M	(71)Name of Applicant:
(31) Priority Document No	:14183121.4	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:02/09/2014	Address of Applicant :BROWN BOVERI STRASSE 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND Switzerland
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)THOMAS HILBER
Filing Date	:NA	2)FRIEDEMANN KENDEL
(87) International Publication No	: NA	3)HANS-PETER SCHOMMER
(61) Patent of Addition to Application Number	:NA	4)FRANK MICHAEL KLUGER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The combustion system (1) comprises a furnace (2) with main burners (3), a mill (4) for milling a solid fuel, a vapour separation system (7), a first line (8) for removing a fuel rich stream from the vapour separation system (7) and supply it to the main burners (3), a-second line (9) for removing a fuel lean stream from the vapour separation system (7). The combustion system (1) further has a cooler (12) fed by the second line. (9) for cooling at least the solid particles, and a storage silo (13) connected downstream of the cooler (12), for collecting at least the solid particles cooled at the cooler (12). (Figure 1)

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

(21) Application No.2743/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INTEGRATED AIR INTAKE 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>	:10-2010- 0093826	(71)Name of Applicant:  1)HYUNDAI MOTOR COMPANY Address of Applicant:231 YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA. Republic of Korea  2)KIA MOTORS CORPORATION (72)Name of Inventor:
	of Korea	(72)Name of Inventor:
(86) International Application No	:NA :NA	1)LEE SANG-II
Filing Date (87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An integrated air intake system may include an integrated body formed by combining a cylinder head cover at the top of an engine with an air cleaner body at a side of the cylinder head cover, an air duct connected to a side of the air cleaner body to make a channel for air sucked from the outside into the air cleaner body, an upper cover combined in contact with the air cleaner body at the top thereof, an intake hose connected to a side of the upper cover to supply purified air to an engine intake port, and an intake filter disposed in a space formed in the air cleaner body and the upper cover to purify the air sucked from the outside.

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

(21) Application No.2744/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

(54) Title of the invention: 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>	:09425480.2 :24/11/2009 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant: 1)AGUSTA S.P.A Address of Applicant: 520 FRAZIONE CASCINA COSTA - VIA GIOVANNI AGUSTA, SAMARATE ITALY. Italy (72)Name of Inventor: 1)BELLUSSI ENRICO 2)SCANDROGLIO ALESSANDRO
• •		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An aircraft (1) having a fuselage (2); and a detecting device (10) for detecting the presence of ice caused by solidification of supercooled liquid droplets (20) having a characteristic dimension above a threshold value. The detecting device (10) has a preferential first portion (15) for accumulating the droplets (20); and the preferential first portion (15) is located so as to be visible from inside the fuselage (2).

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

(21) Application No.3070/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/10/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : GEOEXCHANGE SYSTEMS INCLUDING GROUND SOURCE HEAT EXCHANGERS AND RELATED METHODS

<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)SUVER Paul, W.  Address of Applicant :4667 Lake Washington Boulevard
(33) Name of priority country (86) International Application No		South, Seattle Washington 98118 U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)SUVER Paul, W.
(87) International Publication 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 geoexchange system is provided which includes a ground source heat exchanger positioned in the ground and a distribution system coupled to the ground source heat exchanger to circulate water through the ground source heat exchanger during operation. The distribution system may include a supply line, a return line and a circulation pump to circulate water through the internal fluid cavity of the ground source heat exchanger via the supply and return lines. The distribution system may further include a purge valve to release gas from the distribution system and a fill circuit that is configured to automatically replenish the internal fluid cavity of the ground source heat exchanger with water upon leakage of water from the ground source heat exchanger or conversion of water from the ground source heat exchanger to gas. Other geoexchange systems and related methods are also provided.

No. of Pages: 46 No. of Claims: 30

(22) Date of filing of Application :06/03/2003 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A PROCESS FOR PREPARING CONTROLLED RELEASE PHARMACEUTICAL COMPOSITIONS OF MINOCYCLINE

		7127
(51) International classification	:A61K31/505	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RANBAXY LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :19, NEHRU PLACE, NEW DELHI-
(33) Name of priority country	:NA	110019, INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRASHANT MANOHAR MANDAOGADE
(87) International Publication No	:NA	2)RAJEEV SINGH RAGHUVANSHI
(61) Patent of Addition to Application Number	:NA	3)ASHOK RAMPAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a process for preparing controlled release pharmaceutical compositions of 7-dimethylamino-6-deoxy-6-demethyltetracycline (minocycline) or non-toxic acid addition salts thereof. More particularly, it relates to a once-a-day delivery system for minocycline, which maintains its therapeutic plasma concentrations in a patient for twenty-four hours.

No. of Pages: 13 No. of Claims: 30

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PRIMARY MIXTURE OF CROSSLINKING INITIATOR AND PROMOTER

(51) International classification	:C08K5/34, C08K5/01	(71)Name of Applicant: 1)ARKEMA FRANCE
(31) Priority Document No	:1258569	Address of Applicant :420, Rue d'Estienne d'Orves, F- 92700
(32) Priority Date	:12/09/2012	Colombes France
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No	:PCT/FR2013/052059	1)DEFRANCISCI, Alfredo;
Filing Date	:06/09/2013	2)DEBAUD, Fabien;
(87) International Publication No	:WO 2014/041287	
(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 primary mixture intended for crosslinking polyethylene, comprising at least an initiator of free radicals chosen from organic peroxides, azo compounds or mixtures thereof characterised in that it consists of said free radical initiator and at least one crosslinking promoter chosen from the cycloalkanes having 5 to 7 carbon atoms substituted by 1 to 3 vinyl, allyl or isopropenyl groups, the aromatic compounds substituted by 1 to 3 vinyl, allyl or isopropenyl groups the methacrylate, acrylate and maleimide monomers being multi- substituted, and in that the weight ratio of free- radical initiator to the crosslinking promoter is greater than or equal to 1, and preferably between 1.5 and 4. It also relates to a method and to a use related to this primary mixture.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SUSPENSION FRAME STRUCTURE

(51) International classification	:G11B	(71)Name of Applicant:
(21) Priority Dogument No.	:2014-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	181786	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:05/09/2014	Hamamatsu, Shizuoka, 432-8611, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yousei MINODA
Filing Date	:NA	2)Takehiro SHOJI
(87) International Publication No	: NA	3)Takako OZAWA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A suspension frame is provided that can obtain a higher rigidity with respect to loads that are input from suspension arms, and can favorably suppress deformation. A configuration of a suspension frame structure 100 according to the present invention comprises a suspension frame 110 and a reinforcement 130. The reinforcement has a support portion 132 that extends in the up-down direction within the suspension frame and connects an upper wall and a lower wall of the suspension frame to each other, a front upright wall 134 that extends outward in the vehicle-width direction and further to the front side of a vehicle from a side face of the support portion and is joined to at least one of the upper wall and the lower wall of the suspension frame, and a rear upright wall 136 that extends outward in the vehicle-width direction and further to the rear side of the vehicle from the side face of the support portion and is joined to at least one of the upper wall and the lower wall of the suspension frame. In a plan view, the front upright wall and the rear upright wall form an L-shape that bends at the support portion.

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

(22) Date of filing of Application :28/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A NON-DESTRUCTIVE METHOD FOR TESTING THE VIABILITY OF INDIVIDUAL COTTON SEED USING

(51) International classification	:G01N27/04, A01C1/00, A01C1/02	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(31) Priority Document No	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(32) Priority Date	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)CHELLAKUTTY KUMARAVELU
Filing Date	:NA	2)ARAVAMUDHAN GOPAL
(87) International Publication No	: NA	3)ADIKRISHNAN RAVI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A novel non-destructive technique involving NIR spectroscopy has been developed for testing the viability of individual cotton seeds. The technique involves capturing of multiple spectra of each seed at different seed orientations using said spectrometer and applying the spectra to the calibration model specially developed through training and validation of number of seed samples. The final Seed viability test technique consists of . a reflectance spectrometer to collect the spectra of each cotton seed and a computer system to assess its viability through the suitable calibration model developed using Chemometric techniques. The developed calibration model was tested using sufficient samples, .the results of which showed more than 90% match to test results of standard laboratory germination test. The newly developed and tested calibration model can be employed to assess the viability of individual cotton seeds without any destruction. The present invention has immense value to the seed industries helping in quick assessment of the germination percent of a seed lot, which in turn will ensure the supply of quality seeds to the farmers resulting in improvement in crop yield.

No. of Pages: 12 No. of Claims: 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2075/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: FLEXIBLE APPARATUS AND CONTROL METHOD THEREOF

(51) International classification	:G06F3/14, G06F3/01, G06F3/03	(71)Name of Applicant: 1)SAMSUNG ELECTRONICS CO. LTD.
(31) Priority Document No	:1020120092632	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(32) Priority Date	:23/08/2012	si Gyeonggi do 443 742 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor:
(86) International Application No	:PCT/KR2013/000061	1)KIM Hyun jin
Filing Date	:04/01/2013	2)KUMAR Nipun
(87) International Publication No	:WO 2014/030812	3)SEO Joon kyu
(61) Patent of Addition to Application	:NA	4)KANG Kyung a
Number	:NA	5)LEE Geun ho
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A flexible apparatus and a control method thereof are provided. The flexible apparatus includes: a sensor which senses a bending of the flexible apparatus; and a controller which if a bending line which is formed based on the bending is continuously moved in a first direction and thus reaches a location which corresponds to a display location of at least one object provides a visual feedback with respect to the at least one object.

No. of Pages: 76 No. of Claims: 15

(22) Date of filing of Application :23/07/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : SOPHOROLIPID MEDIATED ENHANCEMENT OF CURCUMIN BIOAVAILABITY AND SYNERGISTIC EFFECT FOR CYTO-TOXICITY OF CANCER CELL LINES

(51) International classification		(71)Name of Applicant:
	A01N61/00	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(31) Priority Document No	:NA	RESEARCH
(32) Priority Date	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(33) Name of priority country	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRADEEP KUMAR SINGH
(87) International Publication No	: NA	2)ASMITA ASHUTOSH PRABHUNE
(61) Patent of Addition to Application Number	:NA	3)SATISHCHANDRA BALKRISHNA OGALE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a complex comprising acidic sophorolipid and curcumin ((SL(A)+Cur), wherein, curcumin is solubilized and nano-encapsulated in acidic sophorolipid to improve the water solubility, stability and bioavailability of curcuminin order to enhance its therapeutic activity. Further, the invention provides pharmaceutical compositions comprising the present complex and methods to treat cancer in a subject using the said composition.

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

(22) Date of filing of Application :23/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: NOVEL AMINE COMPOUND AND USE THEREOF

(51) International classification	:C08J9/02, C08G18/18	(71)Name of Applicant: 1)TOSOH CORPORATION
(31) Priority Document No	:2012214844	Address of Applicant :4560, Kaisei -cho ,Shunan- shi,
(32) Priority Date	:27/09/2012	Yamaguchi 7468501 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2013/076097	1)MATSUMOTO, Naoki
Filing Date	:26/09/2013	2)MIYAZAKI, Takanori
(87) International Publication No	:WO 2014/050982	3)TAKAHASHI, Ryohei
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided are: a novel amine compound which is especially suitable for a hole transport material for organic EL elements; and an organic EL element which uses the amine compound and has excellent driving voltage , luminous efficiency, and element service life. An amine compound which is represented by general formula (1). (In the formula , X represents a sulfur atom or an oxygen atom; each of R1- R10 independently represents a hydrogen atom , a deuterium atom , or a phenyl group; and each of Ar1 and Ar2 independently represents an aromatic hydrocarbon group having 6- 18 carbon atoms , a dibenzothienyl group or a dibenzofuranyl group, which may have a substituent that is selected from among a methyl group , a methoxy group , a dibenzothienyl group, a dibenzofuranyl group and a 9- carbazolyl group.)

No. of Pages: 40 No. of Claims: 12

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR PRODUCING MICROALLOYED TUBULAR STEEL IN A COMBINED CASTING-ROLLING INSTALLATION AND MICROALLOYED TUBULAR STEEL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C21D8/00 :A989/2012 :10/09/2012	
(33) Name of priority country		AUSTRIA Austria
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BERND LINZER
(87) International Publication No	: NA	2)AXEL RIMNAC
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method for producing microalloyed tubular steel in a combined casting-rolling installation (1), and to the microalloyed tubular steel which can be produced by applying the method according to the invention. The object of the invention is to propose a method for the economical production of a microalloyed tubular steel, which method allows the microalloyed tubular steel to be produced economically, with operational reliability and with high quality. This object is achieved by the method according to claim 1.

No. of Pages: 37 No. of Claims: 14

(21) Application No.266/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :08/02/2010 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A PROCESS FOR RECOVERY OF ACIDIC GASES FROM GASEOUS MIXTURE AND SYSTEM THEREOF

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PRATEEK BUMB
(32) Priority Date	:NA	Address of Applicant: 9 Joshi Ji Ka Bagh Near Sayyed Ka
(33) Name of priority country	:NA	Gatta Tonk Road Jaipur (Rajasthan) - 302018 Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRATEEK BUMB
(87) International Publication 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 is about recovery of acid gases, hydrogen sulphide and carbon dioxide from gaseous mixture. The disclosure reveals about a process of the recovery of acid gases using mixture of physical solvents. The process also involves heat coupling thus reducing the energy requirement in the process. The process is environment friendly and economical. Figure 1

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

(22) Date of filing of Application :17/10/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ROTOR ARRANGEMENT FOR A ROTATING ELECTRICAL MACHINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02K :102012219003.1 :18/10/2012	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442
(33) Name of priority country	:Germany	STUTTGART, GERMANY Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)EVANS, STEVEN ANDREW
(87) International Publication No	: NA	2)STUBNER, ARMIN
(61) Patent of Addition to Application Number	:NA	3)MARLIN, NORBERT
Filing Date	:NA	4)DEMONT, STEFAN
(62) Divisional to Application Number	:NA	5)BSUL, JIHAD
Filing Date	:NA	6)JUNG, DOMINIK

#### (57) Abstract:

The present subject matter relates to a rotor arrangement (4) for a rotating electrical machine (1), comprising: at least two, in particular cylindrically segmented pole shoes (42) to construct a cylindrical rotor arrangement (4) about a magnetic rear terminal region (44), wherein a slot (6) for receiving permanent magnets (7) is disposed between the pole shoes (42), wherein at least one of the pole shoes (42) is held by at least one web (43) extending diagonally in radial direction in the magnetic rear terminal region (44), and wherein the at least one web is extending away from the a radial central axis of the pole shoe towards the magnetic rear terminal region (44).

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

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ANGIOPOETIN-LIKE 4 (ANGPTL4) ANTIBODIES AND METHODS OF USE

(51) International classification	:C07K	(71)Name of Applicant:
(31) Priority Document No	:62/034428	1)Novartis AG
(32) Priority Date	:07/08/2014	Address of Applicant :Lichtstrasse 35, 4056 Basel,
(33) Name of priority country	:U.S.A.	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TRAUGER John
(87) International Publication No	: NA	2)VOZNESENSKY Andrei Igorevich
(61) Patent of Addition to Application Number	:NA	3)NEUGEBAUER Julia
Filing Date	:NA	4)RUNZ Steffen
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to monoclonal antibodies binding to human angiopoetin-like protein 4 (hereinafter, sometimes referred to as ANGPTL4), and pharmaceutical compositions and methods of treatment comprising the same.

No. of Pages: 179 No. of Claims: 57

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ANGIOPOIETIN-LIKE 4 ANTIBODIES AND METHODS OF USE

(51) International classification	:C07K	(71)Name of Applicant:
(31) Priority Document No	:62/034409	1)Novartis AG
(32) Priority Date	:07/08/2014	Address of Applicant :Lichtstrasse 35, 4056 Basel,
(33) Name of priority country	:U.S.A.	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TRAUGER John
(87) International Publication No	: NA	2)VOZNESENSKY Andrei Igorevich
(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 monoclonal antibodies binding to human angiopoietin-like 4 protein (hereinafter, sometimes referred to as ANGPTL4), and pharmaceutical compositions and methods of treatment comprising the same.

No. of Pages: 134 No. of Claims: 33

(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: USE OF PHOTO CATALYTIC MATERIAL FOR SELF CLEANING BANKNOTES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:28/09/2012 :WO 2014/046692 :NA	(71)Name of Applicant:  1)SPECTRA SYSTEMS CORPORATION Address of Applicant: 321 South Main Street, Providence, RI 02903 U.S.A.  (72)Name of Inventor: 1)LAWANDY, Nabil, M. Lawandy
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Self- cleaning banknotes are provided using coatings, inks and additives which are photo-active and catalytic to reactions which are effective in breaking up organic contaminants or dirt to allow for the self- cleaning of banknotes by ambient light exposure as well as the cleaning of processed banknotes using equipment with more intense optical excitation, thus increasing their usable life.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2457/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTERCHANGEABLE LENS AND CAMERA BODY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G03B 17/14 :2012191979 :31/08/2012 :Japan :PCT/JP2013/072281 :21/08/2013 :WO 2014/034488 :NA :NA	(71)Name of Applicant:  1)NIKON CORPORATION  Address of Applicant: 12- 1, Yurakucho 1 -chome Chiyoda -ku, Tokyo 100-8331 Japan (72)Name of Inventor:  1)ISONO, Kenji 2)SHIRAI, Natsuki 3)SHIMIZU, Takashi
9	:NA :NA	

#### (57) Abstract:

This interchangeable lens is provided with: an attaching section to which a camera body can be attached; a member to be driven; a drive section that drives the member to be driven; a storage section that stores lens data relating to the drive of the member to be driven by means of the drive section; and a transmitting section that transmits, to the camera body, lens-side determining data with which whether the lens data is correctly stored or not in the storage section can be determined on the camera body side.

No. of Pages: 62 No. of Claims: 23

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: WOUND STATOR FOR ALTERNATING-CURRENT 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> </ul>	:H02K :103122779 :01/07/2014 :Taiwan :NA :NA	(71)Name of Applicant:  1)VICTORY INDUSTRIAL CORPORATION Address of Applicant: NO. 20, LANE 421, FUDE 1ST ROAD, XIZHI DIST., NEW TAIPEI CITY 22149, TAIWAN, R.O.C. Taiwan (72)Name of Inventor: 1)WANG, CHUN-YUAN
(86) International Application No	:NA	
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)WANG, CHUN-YUAN
(61) Patent of Addition to Application Number	:NA	2)LIOU, MING-LAANG
Filing Date	:NA	
(62) Divisional to Application Number	:1835/DEL/2015	
Filed on	:20/06/2015	

#### (57) Abstract:

The present invention relates to a wound stator. The wound stator comprises: a stator and a plurality of wires. The stator comprises: an annular body and a plurality of radial grooves defined therein. The annular body has a plurality of separating posts protruding inwardly and radially from an inner circumference of the annular body. An end of each of the separating posts extends from its two sides to form a plurality of magnetic shoes. The plurality of radial grooves is defined between the separating posts. Each of the grooves has an opening defined between adjacent two of the plurality of magnetic shoes. The plurality of wires comprises: a first end, a second end, and a plurality of wave-shaped coils located between the first end and second end. Each wave-shaped coil is formed of straight portions and curved portions that alternate with each other.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3191/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/10/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTERIOR VENTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 :102012110451.4 :31/10/2012 :Germany :NA :NA : NA :NA	(71)Name of Applicant:  1)DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAFT Address of Applicant: PORSCHEPLATZ 1, 70435 STUTTGART, GERMANY Germany (72)Name of Inventor: 1)SCHMITZ, STEFAN
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a motor vehicle having a structural component and a first and second interior trim part, which are butt jointed directly to one another in a butt jointing region, wherein the two interior trim parts separate a passenger compartment interior from a venting space situated between the structural component and the interior trim parts and wherein a section or sections of the first interior trim part in the butt jointing region has/have a concave arched profile facing the second interior trim part, thereby canceling the butt joint and forming an air duct between the passenger compartment interior and the venting space.

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

(21) Application No.2376/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TURBINE CONTROL SYSTEM, TURBINE CONTROL METHOD AND PROGRAM

(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	:F02C9/00,F01K7/00,G05B23/00 :2012-207843 :21/09/2012 :Japan :NA :NA	(71)Name of Applicant: 1)HITACHI, LTD. Address of Applicant:6-6, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN Japan (72)Name of Inventor: 1)INOUE SHOTA 2)KONO YUSUKE 3)TOMURA TAKASHI
` '		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A turbine control system is provided for enabling flexible and stable control of a power-system frequency even in load operation. The turbine control system includes a power-system information acquisition unit acquiring power-system information on an operation status of a power system which is connected to an electric generation plant; and a speed-governing control unit regulating a governing parameter of a rotation speed of a turbine in the electric generation plant based on the power-system information.

No. of Pages: 44 No. of Claims: 8

(22) Date of filing of Application: 14/08/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: MOUNTING STRUCTURE FOR MOUNTING COMPONENT •

(51) International classification	:G01P	(71)Name of Applicant:
(31) Priority Document No	:2014- 200011	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
(32) Priority Date	:30/09/2014	ku, Tokyo 107-8556, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)GEN TANABE
Filing Date	:NA	
(87) 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 (62) Divisional to Application Number	:NA :NA	

#### (57) Abstract:

To provide a mounting structure for a mounting component, wherein a holding portion need not necessarily have a higher accuracy. [Solution] A mounting structure for a mounting component is provided with a first member 10 that has a holding portion 40 holding a mounting component 30 and to which a second member is mounted by the mounting component 30, the mounting component 30 having a radially enlarged portion 32 radially enlarged at one end of a cylindrical portion 31. The holding portion 40 has; a housing space 45 for the mounting component 30, which is formed with a side wall portion 42 upstanding from a base portion 11, and a seat portion 44 being continuous with the top of the side wall portion 42 and having a bolt through hole 43 info .which a bolt is inserted; and a mounting component insertion hole 46 that is provided in the side wall portion. 42 for inserting the mounting component 30 into the housing space 45. The bolt through hole 43 is of such si2e as to abut on the peripheral surface of the cylindrical portion 31, of the mounting component 30, and provided with: a communication portion 47 that provides communication between the bolt through hole 43 and the mounting component insertion hole 46, for allowing passage of the cylindrical portion 31 of the mounting component 30 into the bolt through hole 43; and restrictions 48 that form a narrow portion in the communication portion 47, the narrow portion being narrower than the outer dimension of the cylindrical portion 31 of the mounting component 30.

No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : FLAME SPRAY PYROLYSIS METHOD FOR FORMING NANOSCALE LITHIUM METAL PHOSPHATE POWDERS

(71)Name of Applicant: (51) International classification :C01D15/00 1)CORNING INCORPORATED (31) Priority Document No :13/627384 Address of Applicant: 1 Riverfront Plaza, Corning, New York (32) Priority Date :26/09/2012 14831 U.S.A. (33) Name of priority country :U.S.A. 2)BADDING, Michael Edward (86) International Application No :PCT/US2013/061585 3)BROWN Jacqueline Leslie Filing Date :25/09/2013 4)FEKETY, Curtis Robert (87) International Publication No :WO 2014/052391 5)SONG, Zhen (61) Patent of Addition to Application :NA (72)Name of Inventor: Number 1)BADDING, Michael Edward :NA Filing Date 2)BROWN, Jacqueline Leslie (62) Divisional to Application Number :NA 3) FEKETY, Curtis Robert Filing Date :NA 4)SONG, Zhen

## (57) Abstract:

A flame spray pyrolysis method for making nanoscale, lithium ion - conductive ceramic powders comprises providing a precursor solution comprising chemical precursors dissolved in an organic solvent, and spraying the precursor solution into an oxidizing flame to form a nanoscale, lithium ion -conductive ceramic powder, wherein a concentration of the chemical precursors in the solvent ranges from 1 to 5,5 M. The precursor solution can comprise 1-20% excess lithium with respect to a stoichiometric composition of the ceramic powder. Nominal compositions of the nanoscale, ceramic powders are Lii4AIo4Mi6(PO4)3 where M is Ti or Ge.

No. of Pages: 24 No. of Claims: 17

(22) Date of filing of Application :04/11/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention : PARALLEL-FREQUENCY PARTIALLY-COHERENT RECEPTION OF PULSE-POSITION MODULATED ADS-B MESSAGES

(51) International classification	:H07L	(71)Name of Applicant:
(31) Priority Document No	:13/689,874	
· · · · · · · · · · · · · · · · · · ·		
(32) Priority Date	:30/11/2012	Tr
(33) Name of priority country	:U.S.A.	2245, MORRISTOWN, NEW JERSEY 07962-2245, UNITED
(86) International Application No	:NA	STATES OF AMERICA, U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ALFONSO MALAGA
(61) Patent of Addition to Application Number	:NA	2)JAMAL HAQUE
Filing Date	:NA	3)ANDREW WHITE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One embodiment is directed towards an RF receiver for receiving a pulse-position modulated signal transmitted with a 1090 MHz ADS-B transmitter, wherein the pulse-position modulated signal is preceded by a preamble of 4 pulses that conform to an ADS-B protocol. The receiver can filter a digital sample stream with a filter matched to pulses in an earlier half of an expected preamble sequence to produce a first matched filter output sample stream. The receiver can also filter the digital sample stream with a filter matched to a pulses in a latter half of the expected preamble sequence to produce a second matched filter output sample stream. The receiver can determine that a sequence of pulses match the expected preamble sequence based on when the first matched filter output sample stream and the second matched filter output sample stream are above a minimum trigger level at the same time.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: LOAD DISTRIBUTION IN A NETWORK OF SMALL CELL BASE STATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/604748 :06/09/2012 :U.S.A. :PCT/US2013/049532 :08/07/2013 :WO 2014/039161 :NA :NA	(71)Name of Applicant:  1)GOOGLE INC.  Address of Applicant: 1600 Amphitheatre Parkway Mountain View CA 94043 U.S.A. (72)Name of Inventor:  1)RAY Siddarth  2)MEDIN Milo Steven  3)SRINIVASAN Murari
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A network device (102a 102b) may make a determination that a first backhaul connection (104a 104b) which serves a first base station (102a 102b) is congested and that a second backhaul connection which screes a second base station is not congested. This determination may be made based on a first periodic data cap (D) imposed on the first backhaul connection a traffic load (L) on the first backhaul connection as second periodic data cap imposed on the second backhaul connection and a traffic load on the second backhaul connection in response the network device may configure a value of a cellular communication parameter utilized by one or both of the base stations.

No. of Pages: 35 No. of Claims: 21

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: HEAT EXCHANGER, TANK FOR HEAT EXCHANGER, AND METHOD OF MAKING 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 :62/040,501 :22/08/2014 :U.S.A. :NA :NA :NA :NA :NA	, ,
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#### (57) Abstract:

A tank for a heat exchanger includes an extruded tank section having a generally constant extrusion profile extending in a longitudinal direction from a first tank end to a second tank end. A first planar end cap is joined to the extruded tank section near the first tank end, and a second planar end cap is joined to the extruded tank section near the second tank end. Together, the extruded tank section and first and second end caps can at least partially define an internal tank volume. The first and second planar end caps are both arranged at non-perpendicular angles to the longitudinal direction.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTAKE DEVICE FOR INTERNAL COMBUSTION ENGINE •

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)HONDA MOTOR CO., LTD.
(31) Thority Document No	201261	Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
(32) Priority Date	:30/09/2014	ku, Tokyo 107-8556, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOHEI NAKAMURA
Filing Date	:NA	2)MAKOTO FUJIKUBO
(87) International Publication No	: NA	3)KOJI HARAMURA
(61) Patent of Addition to Application Number	:NA	4)HIROSHI YAMAGUCHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide an intake device for an internal combustion engine including a partition wall for dividing an intake port composing an intake passage into tvra intake ports, and configured such that an extent of thermal expansion of the partition wall is suppressed, so that the partition wall is formed into a preferable shape, and accuracy of the intake passage of the intake ports is improved, so that combustion efficiency of the internal combustion engine is improved. [Solution] An intake device for an internal combustion engine includes: an intake port 41; an intake port partition wall 71 with the intake port 41 casted into a cylinder head 13; an intake passage member 50; and a fastening part 33 that fastens the intake passage member 50 to the vicinity of an opening surface of the intake port 41 formed in the cylinder head 13. In the intake device for the internal combustion engine, the fastening part 33 is formed with a recessed part 33c recessed, a bottom surface 33d of the recessed part 33c is formed of an intake port opening surface 41e and intake port opening end surfaces 33e of the cylinder head 13, an upstream end surface 71a of the intake port partition wall-71 on the upstream side is formed to be flush with the intake port opening surface 41e, a side of the intake passage member 50 to be connected to the intake port 41 is formed with a projecting part 52a projecting from a base end surface 52c of the end 52, and the recessed part 33c and the projecting part 52d are fitted to each other.

No. of Pages: 67 No. of Claims: 9

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SWITCHABLE DOPPLER STETHOSCOPE

(51) International classification	·G01S	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY
(32) Priority Date	:NA	Address of Applicant : Ministry of Science and Technology
(33) Name of priority country	:NA	Government of India, Block 2, C.G.O. Complex, Lodhi Road,
(86) International Application No	:NA	New Delhi Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHATURVEDI, Anirudh
(61) Patent of Addition to Application Number	:NA	2)TEEGALA, Balaji
Filing Date	:NA	3)JHA, Prashant
(62) Divisional to Application Number	:NA	4)RAMANI, Abhinav
Filing Date	:NA	5)BHARGAVA, Balram

#### (57) Abstract:

The switchable stethoscope (100) of the present subject matter includes pair of ear pieces, a tube (102) coupled to the pair of ear pieces, and a chest piece (104) connected to the pair of ear pieces through the tube (102). In an implementation, the chest piece (104) includes a diaphragm (106), at least one transducer element (108, 302) partially embedded in the diaphragm (106), and an electronic unit (204) communicatively coupled to the at least one transducer element (108, 302). Further, the chest piece (104) is switchable between a passive mode of operation and an active mode of operation. During the passive mode of operation, the diaphragm (106) emits physiological sounds from the pair of ear pieces, and during the active mode of operation, the electronic unit (204) and the at least one transducer element (108, 302) emits the physiological sounds from the pair of ear pieces.

No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: STORAGE BOX ATTACHING STRUCTURE OF MOTORCYCLE

(74) 7	D (#D	71.33
(51) International classification	:B65D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Suzuki Motor Corporation
(31) Thomy Bocument 110	160557	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:06/08/2014	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASUDA, Takanobu
Filing Date	:NA	
(87) International Publication 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 storage box attaching structure of a motorcycle includes: a storage box disposed below a rider seat; and a body frame including a first bridge tube which supports a bottom-front portion of the storage box: the first bridge tube has a single front bracket at a center in a vehicle width direction; and the storage box includes: a front attaching portion which projects from a center, in the vehicle width direction, of the bottom-front portion and which is fixed to the front bracket by a fastening member; and a pair of front ribs which project from the bottom-front portion at outside positions in the vehicle width direction and which are in contact with the first bridge tube.

No. of Pages: 47 No. of Claims: 3

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: STORAGE BOX REINFORCEMENT STRUCTURE OF MOTORCYCLE

(74) 7	D (#D	71.33
(51) International classification	:B65D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)Suzuki Motor Corporation
(31) Thomy Document No	160558	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:06/08/2014	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASUDA, Takanobu
Filing Date	:NA	
(87) International Publication 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 storage box reinforcement structure of a motorcycle includes: a storage box disposed below a rider seat; and a cover disposed for covering adjacent to the storage box, and the storage box includes: a bottom-closed-box-shaped box portion; a flange which extends outward from a top portion of the bottom-closed-box-shaped box portion and is in contact with a bottom surface of a top flange of the cover; a helmet holder erected from a top surface of the flange; and a reinforcement portion disposed between a bottom surface of the flange and a side surface of the box portion.

No. of Pages: 47 No. of Claims: 4

(21) Application No.2748/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ELECTRICAL CIRCUIT BREAKER AND SWITCH POSITION INDICATOR THERETO

(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  Solution Number Filing Date  (87) International Publication Number Filing Date  (88) Priority Document No  Solution Number  Solution Number  Solution Number  Solution Number  Solution Number  Solution Number	:H01H9/16 :09 015686.0- 2214 :18/12/2009 :EUROPEAN UNION :NA :NA :NA :NA :NA :NA :NA :NA :NA :N
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#### (57) Abstract:

An electrical circuit breaker (10), in particular a high-voltage circuit breaker filled with insulating gas, is described. The circuit breaker (10) is furnished with a first contact, in particular, a contact pin (21) and a second contact, in particular, a tulip contact (22) that are movable in opposite directions. The circuit breaker (10) is furnished with a drive mechanism (36) that is coupled to the second contact. The circuit breaker (10) is furnished with a reversing gear (47) that produces a coupling between the second and the first contact. A first indicator element (41) is provided that is associated with the reversing gear (47).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2749/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

# (54) Title of the invention : TOOL HOLDER HAVING A COLLET HOLDER AND A TOOL INSERT FOR USE IN A TOOL HOLDER

(51) International classification	:B23B31/20	(71)Name of Applicant:
(31) Priority Document No	:10 2009 060 678.5	1)WTO WERKZEUG-EINRICHTUNGEN GMBH Address of Applicant :AUF DER OBEREN AU 45, 77797
(32) Priority Date	:28/12/2009	OHLSBACH, GERMANY Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)KARLHEINZ JANSEN
Filing Date	:NA	2)KLAUS MAIER
(87) International Publication No	:NA	3)SASCHA TSCHIGGFREI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system is proposed that is made up of a tool holder I, a collet I5 with a clamping nut I9, and a tool insert 27, in which the collet I5 and the tool insert are fixed and positioned on various function surfaces within the tool holder I. Nevertheless, the clamping means are the same, namely a thread on the tool holder I.

No. of Pages: 44 No. of Claims: 27

(22) Date of filing of Application :02/05/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR ESTIMATING THE REACTION OF A GROUP WITH RESPECT TO A SET OF ELEMENTS

(51) International classification	:G06Q10/10, G06F3/048	(71)Name of Applicant: 1)APPGREE S.A.
(31) Priority Document No	:61/544749	Address of Applicant :Calle Olivo 8 E 28981 Parla (Madrid)
(32) Priority Date	:07/10/2011	Spain
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/069747	1)MORAN ADARRAGA Juan
Filing Date	:05/10/2012	
(87) International Publication No	:WO 2013/050545	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides systems and methods that provide knowledge about a reaction (e.g. interest) of a group (normally of people) with respect to a set of elements or options wherein each group member can react in a different manner. Assuming that the group is accessible by electronic means (e.g. Internet) this system may be based on a group response algorithm to estimate group reaction minimizing workload of group members and minimizing the time needed. To minimize or reduce group members workload and time the algorithm uses statistic tools. The group response system estimates group reaction with previously set statistic reliability. The present invention can also use secondary algorithms for specific cases.

No. of Pages: 87 No. of Claims: 47

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : MAIZE CYTOPLASMIC MALE STERILITY (CMS) C TYPE RESTORER RF4 GENE MOLECULAR MARKERS AND THEIR USE

(51) International

:C12Q1/68,C12N15/29,C12N15/82

classification (31) Priority Document No

:61/390526

(32) Priority Date

:06/10/2010

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2011/053304

Filing Date

:26/09/2011

(87) International Publication

WO 2012/047595

No (61) I

(61) Patent of Addition to Application Number :NA :NA

Filing Date

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)DOW AGROSCIENCES LLC

Address of Applicant :9330 Zionsville Road Indianapolis

Indiana 46268 U.S.A.

(72)Name of Inventor:

1)REN Ruihua

2)NAGEL Bruce A.

3)KUMPATLA Siva P.

4)ZHENG Peizhong

5)CUTTER Gary L. 6)GREENE Thomas W.

7)THOMPSON Steven A.

## (57) Abstract:

This disclosure concerns high resolution mapping and candidate gene cloning of Rfif, a maize restorer of fertility gene that restores fertility to C-type cytoplasmic male sterility. The disclosure also relates to molecular markers that are tightly linked to, or reside within, the Rf4 gene. In some embodiments, methods are provided whereby hybrid seeds may be produced from crosses of a male plant comprising nucleic acid molecular markers that are linked to or that reside within the Rfif gene and a female plant carrying C-type CMS.

No. of Pages: 177 No. of Claims: 43

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A METHOD OF DETECTING DOUBLE TALK CONDITION AND A SYSTEM THEREOF

(51) International classification	:G10L	(71)Name of Applicant:
(31) Priority Document No	:NA	1) The Secretary, Department of Electronics and Information
(32) Priority Date	:NA	Technology (DeitY)
(33) Name of priority country	:NA	Address of Applicant :Electronics Niketan 6, CGO Complex,
(86) International Application No	:NA	Lodhi Road, New Delhi 110003, India Delhi India
Filing Date	:NA	2)Center for Development of Advanced Computing (C-DAC)
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Simon Zachariah
Filing Date	:NA	2)Satheesh Prabhu
(62) Divisional to Application Number	:NA	3)Soumya Murali
Filing Date	:NA	4)Annu Liza Jose

#### (57) Abstract:

The present disclosure relates to a method and system for detecting double talk condition in plurality of received speech signals in a communication system. The method comprises receiving a plurality of speech signals, filtering the received far end speech signal with or without echo signal using high pass filter, estimating short-term power for the near end speech signals, filtered far end speech signal with or without echo signal and filtered residual error. The residual error value is generated by comparing the output of an adaptive filter, using the near end speech signal as its input, with the filtered received signal. Next, incrementing or decrementing near end speech counter and far end speech counter based on detection of near end speech signal and far end speech signal based on short term power estimates. Thereafter, detecting double talk condition in the received speech signals based on the identifying predefined values in the near counter and the far counter. Figure 3

No. of Pages: 32 No. of Claims: 9

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DISTORTION/QUALITY MEASUREMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04N 7/26 :NA :NA :NA :PCT/CN2011/083057 :28/11/2011 :WO 2013/078596 :NA :NA :NA	(71)Name of Applicant:  1)THOMSON LICENSING  Address of Applicant: 1 5 rue Jeanne dArc F 92130 Issy Les  Moulineaux France (72)Name of Inventor:  1)GU Xiaodong  2)LIU Debing  3)CHEN Zhibo
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#### (57) Abstract:

Various implementations address distortion and quality measurements. Certain implementations relate to distortions resulting in a freeze with skip and/or a freeze without skip. In one implementation a pause term provides an indication of distortion associated with a pause arising from not displaying one or more consecutive pictures that are not to be displayed. A motion term provides an indication of distortion associated with a related change in motion. A combined indicator is based on an addition of the pause term and the motion term. In another particular implementation a first indicator indicates distortion across one or more types of distortive effects that results from not displaying a first set of pictures. A second indicator indicates corresponding distortion with respect to a second set of pictures. The first indicator and the second indicator are combined in a non linear manner.

No. of Pages: 54 No. of Claims: 39

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PAPER CURRENCY HANDLING DEVICE

(51) International classification	:G07D 9/00	(71)Name of Applicant:
(31) Priority Document No	:2011-248586	1)HITACHI OMRON TERMINAL SOLUTIONS CORP.
(32) Priority Date	:14/11/2011	Address of Applicant :6 3 Osaki 1 chome Shinagawa ku
(33) Name of priority country	:Japan	Tokyo 1418576 Japan
(86) International Application No	:PCT/JP2012/079224	(72)Name of Inventor:
Filing Date	:12/11/2012	1)MITSUYAMA Toshifumi
(87) International Publication No	:WO 2013/073490	2)TERAO Masanori
(61) Patent of Addition to Application	:NA	3)KADOWAKI Minoru
Number	*= *= =	4)KOSHIZUKA Hisahiro
Filing Date	:NA	5)KITAUCHI Daisuke
(62) Divisional to Application Number	:NA	6)NOMURA Madoka
Filing Date	:NA	

#### (57) Abstract:

In a conventional accumulation mechanism the amount of rotation and the rotational velocity of the paddlewheel are the same even when the width of the accumulation space differs. When the amount of rotation is small and the rotational velocity is low and the accumulation space is wider than the dimensions of the paper currency the paper currency falls over. Conversely when the amount of rotation is large and the rotational velocity is high the posture of the stored paper currency deteriorates. Accordingly for a paper currency handling device equipped with an accumulation mechanism for compiling and storing paper currency the accumulation mechanism has: an accumulation space for storing paper currency; a paddlewheel that makes contact with one end of the paper currency and transports the paper currency toward the accumulation space; a driving means that rotates the paddlewheel; an operating plate that changes the width of the accumulation space; and a position detection means that detects the position of the operating plate. In addition the amount of rotation or the rotational velocity of the driving means is changed on the basis of position of the operating plate as detected by the position detection means.

No. of Pages: 35 No. of Claims: 5

(21) Application No.2114/DEL/2008 A

(19) INDIA

(22) Date of filing of Application :08/09/2008 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD AND APPARATUS TO PRODUCE AND ASSEMBLE CONNECTING WORKPIECES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:0701004516 :07/09/2007 :Thailand :NA :NA :NA :NA	(71)Name of Applicant: 1)TEMSINSOOK NOPPADOL Address of Applicant: SOI SAP TAWI, 100/29 MOO 1, SAM KHOK-PATHIUMTHANI 12160 THAILAND Thailand (72)Name of Inventor: 1)TEMSINSOOK NOPPADOL 2)PESCHEUX GUSTAVE
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

This invention relates to a method to join and connect bars, particularly for use in building construction and particularly in concrete constructions.

No. of Pages: 26 No. of Claims: 27

(22) Date of filing of Application :18/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE 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 Filed on</li> </ul>	:C07K17/00 :60/669,605 :08/04/2005 :U.S.A. :PCT/US2006/012354 :31/03/2006 :WO/2006/110381 :NA :NA :8081/DELNP/2007 :31/03/2006	(71)Name of Applicant:  1)WYETH LLC Address of Applicant: Five Giralda Farms, Madison, NJ 07940, USA U.S.A. (72)Name of Inventor: 1)HAUSDORFF William P. 2)SIBER George Rainer 3)PARADISO Peter R.
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#### (57) Abstract:

An immunogenic composition having 13 distinct polysaccharide-protein conjugates and optionally, an aluminum-based adjuvant, is described. Each conjugate contains a capsular polysaccharide prepared from a different serotype of Streptococcus pneumoniae (1, 3, 4, 5, 6A, 6B, 7F, 9V, 14,18C, 19A, 19F and 23F) conjugated to a carrier protein. The immunogenic composition, formulated as a vaccine, increases coverage against pneumococcal disease in infants and young children globally, and provides coverage for serotypes 6A and 19A that is not dependent on the limitations of serogroup cross-protection.

No. of Pages: 60 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2183/DEL/2007 A

(19) INDIA

(22) Date of filing of Application :18/10/2007 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PHASE CHANGE 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Petent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ACME TELE POWER LIMITED  Address of Applicant:9TH FLOOR, INFINITY TOWER, BUILDING C, DLF CYBER CITY, PHASEII GURGAON- 1220002, HARYANA INDIA. Haryana India (72)Name of Inventor:  1)MUHD. ASLAM
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA :NA :NA	1)MUHD. ASLAM
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A phase change material and a process to prepare a phase change material. The phase change material (PCM) may be prepared by mixing, 94 - 98 % by weight Calcium Chloride Pentahydrate I Semipentahydrate with 1 - 5 % by weight Borax and 0.1 - 2 % by weight Fumed Silica I Silica Gel, homogeneously. 1 - 10 % by weight Potassium Fluoride and 0.1 - 1 % by weight Strontium Chloride Hexahydrate is then mixed with the above mixture in the same mixer again homogeneously at room temperature and pressure to obtain the PCM.

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

(22) Date of filing of Application :20/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF HOMOSERINE LACTONES DERIVATIVES

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF SCIENCE EDUCATION AND
(32) Priority Date	:NA	RESEARCH (IISER) MOHALI
(33) Name of priority country	:NA	Address of Applicant :Knowledge City, Sector 81, SAS Nagar,
(86) International Application No	:NA	Mohali, Manauli P.O, Punjab, 140306, India; Punjab India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASARAO, Arulananda, Babu
(61) Patent of Addition to Application Number	:NA	2)NAYYAR, Ahmad, Aslam
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present invention relates to the novel homoserine lactone derivatives having substituents at the 3- and 4-positions of the lactone ring and the process of preparation thereof. It provides a method of synthesizing functionalized homoserine lactone scaffolds, having contiguous stereocenters with a high degree of stereocontrol and novel homoserine lactone derivatives having substituents at the 3- and 4-positions of the lactone ring via an acid-mediated direct lactonization of a variety of 2-amino-pent-4-enoic acid ester derivatives. The present process of preparation is simple and provides product with moderate to high yield and purity.

No. of Pages: 54 No. of Claims: 18

(21) Application No.389/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/01/2014 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: A DISPENSER ASSEMBLY

(51) International classification	:A47K10/38	(71)Name of Applicant:
(31) Priority Document No	:11005622.3	1)SCA TISSUE FRANCE
(32) Priority Date	:08/07/2011	Address of Applicant :60 avenue de IEurope F 92270 Bois
(33) Name of priority country	:EPO	Colombes France
(86) International Application No	:PCT/IB2012/001332	(72)Name of Inventor:
Filing Date	:06/07/2012	1)CATTACIN Gilles
(87) International Publication No	:WO 2013/008074	2)MARIETTA TONDIN Julien
(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 dispenser assembly (1) for dispensing a sheet (2) from a roll of sheet material (3) the roll of sheet material (3) having a longitudinal axis (15) the dispenser assembly (1) comprising: a roll holder (5) for removably holding the roll of sheet material (3) the roll of sheet material (3) being free to rotate relatively to the roll holder (5); a base (6) for supporting the roll holder (5) and for coupling the dispenser assembly (1) with an environment structure (7); a pair of coupling elements (8) comprising a first element (9) coupled to the roll of sheet material (3) and a second element (10) integral to the roll holder (5) the first element (9) being coupled in a free to rotate and removable manner relatively to the second element (10) by magnetic coupling; wherein the first element (9) comprises a contacting portion extending transversally relatively to the longitudinal axis (15) which is adhered to a lateral edge (12 12a) of the roll of sheet material (3) and arranged to at least partially recover said lateral edge (12 12a) so that the first element (9) is fixedly secured to the roll of sheet material (3).

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

(22) Date of filing of Application :27/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CONTROL STATION FOR A ROAD PAVER WITH A STEP DEVICE WITH AUTOMATED LOCKING

(51) International classification	:E01C	(71)Name of Applicant :
(31) Priority Document No	:14 185	1)JOSEPH VOGELE AG
(31) I Hority Document No	175.8	Address of Applicant :Joseph-Vogele-Str. 1, 67067
(32) Priority Date	:17/09/2014	Ludwigshafen/Rhein, Germany; Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)Bernhard ERDTMANN
Filing Date	:NA	
(87) International Publication 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 control station (D) for a road paver (F) with a step device (T) for providing a standing area for a person according to the invention comprises a support part (20) that is adapted to be firmly linked to a chassis (C) or a paving screed (B) of the road paver (F), a step par5 t (10) with a step surface (12), the step part (10) being attached to the support part (20) tiltably about a main tilt axis (H) between a transport position and an operating position, wherein the step surface (12) is aligned generally horizontally in the operating position so that the standing area for the person is provided, and a locking unit (30) with an engagement element (32) that is configured to come into engagement with the step part (10) when the step part (10) is in the operating position, the engagement securing the position of the step part (10), wherein the engagement element (32) of the locking system (30) is pre-loaded for a movement into the engagement with the step part (10).

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

(21) Application No.2665/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :27/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A COMBUSTION SYSTEM

(51) International classification	:F23Q	(71)Name of Applicant:
(31) Priority Document No	:14183182.6	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:02/09/2014	Address of Applicant :BROWN BOVERI STRASSE 7,5400
(33) Name of priority country	:EUROPEAN	BADEN,SWITZERLAND Switzerland
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)THOMAS HILBER
Filing Date	:NA	2)BERND GREINER
(87) International Publication No	: NA	3)HANS-PETER SCHOMMER
(61) Patent of Addition to Application Number	:NA	4)NOEL FRANCON
Filing Date	:NA	5)HELMUT JAISER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The combustion system (1) comprises a furnace with an enclosure (3) and burners (4a, 4b, 4c) having different elevation, a mill (6), a vapour separation system (7) for receiving a non-homogeneous flow of vapour and pulverized fuel and providing a fuel rich flow through first ducting (10) to burners (4a, 4b) having a lower elevation, and a fuel lean flow through second ducting (11) to burners (4c). having a higher elevation. The first ducting (10) comprises an impeller (12) at a position downstream the branching area (9). The impeller (12) defines a fuel concentrated content flow (FC) and a fuel reduced content flow (FR). The combustion system comprises also ducting (15) for supplying the fuel concentrated content, flow (FC) to first burners (4a) and ducting (16) for supplying the fuel reduced content flow (FR) to second burners (4b). The second burners (4b) have a higher elevation than the first burners (4a). (Figure 2)

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

(21) Application No.2735/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

# $(54) \ Title \ of \ the \ invention: PHARMACEUTICAL \ COMPOSITION \ COMPRISING \ A \ STRONTIUM \ SALT, \ VITAMIN \ D \ AND \ A \ CYCLODEXTRIN$

<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>	:09/05706 :27/11/2009 :France	SURESNES CEDEX, FRANCE France
(86) International Application No	:NA :NA	(72)Name of Inventor: 1)GILLES BRIAULT
Filing Date (87) International Publication No	:NA :NA	2)XAVIER QUENAULT
(61) Patent of Addition to Application Number	:NA	3)CECILE POIRIER
Filing Date	:NA	4)JEAN-MANUEL PEAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Pharmaceutical composition comprising a strontium salt, vitamin D and a cyclodextrin.

No. of Pages: 17 No. of Claims: 13

(22) Date of filing of Application :18/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : COMMON VENTING SYSTEM FOR WATER HEATERS AND METHOD OF CONTROLLING 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</li> </ul>	:13/680,907 :19/11/2012 :U.S.A. :NA :NA : NA : NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A water heater venting system, the water heater venting system comprising a main exhaust vent; and a first water heater in communication with a second water heater. The first water heater including an inlet, a blower assembly including a motor, an exhaust vent coupled to the main exhaust vent, a fluid flowpath created by fluid communication between the inlet, the blower assembly, and the exhaust vent, a sensor positioned along the fluid flowpath, and a controller electrically coupled to the sensor and the motor of the blower assembly, the controller controlling the speed of the motor based on at least one of an input from the sensor and an input from the second water heater.

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

(22) Date of filing of Application: 18/05/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: PROCESS AND SYSTEM FOR PRODUCING AN ANOLYTE FRACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C02F1/467 :1051119-4 :28/10/2010 :Sweden :PCT/SE2011/051288 :28/10/2011 :WO 2012/057696 :NA	(71)Name of Applicant:  1)ANOLYTECH AB Address of Applicant:Box 2019 S 271 02 Ystad Sweden (72)Name of Inventor: 1)FISCHLEIN Stefan
(61) Patent of Addition to Application		
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for preparing an anolyte preparation said anolyte preparation being suitable as drinking water for domestic animals kept indoors for example in a barn a cowshed pigsty and/or a poultry house comprising the steps of: a) providing incoming basic water (202); b) adding sodium chloride to said incoming water; c) conveying said sodium chloride containing water of step b) through the cathode chamber (212) of the electrochemical reactor (216) and subsequently conveying at least a part of said water that has passed through the cathode chamber (212) through the anode chamber (224) while applying a voltage over a membrane (213) separating the cathode chamber (212) and the anode chamber (224) of the electrochemical reactor (216) and thereby leading an electrical current between said chambers resulting in formation of an anolyte fraction in the anode chamber; and d) determining pH and ORP of the obtained anolyte fraction characterized in that data regarding the electrical current through said membrane (213) is used to control addition of sodium chloride and data regarding pH of the obtained anolyte fraction is used to control the amount said water that has passed through the cathode chamber (212) that shall be conveyed through the anode chamber in such a way that the free available chlorine (FAC) content of the resulting water is in the range of 0.10 0.60 ppm. The invention also provides a system for carrying out the method.

No. of Pages: 18 No. of Claims: 7

(22) Date of filing of Application :22/05/2014 (43) Publication Date: 29/04/2016

## (54) Title of the invention: DUAL RISER CATALYTIC CRACKER FOR INCREASED LIGHT OLEFIN YIELD

(51) International :C10G11/00,C10G51/00,C10G51/02 classification

(31) Priority Document No :13/325292

(32) Priority Date :14/12/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/057715

Application No :28/09/2012 Filing Date

(87) International Publication :WO 2013/089885

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

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2)MYERS Vincenza

(72)Name of Inventor:

1)UOP LLC

2)MYERS Vincenza

# (57) Abstract:

A process for improving the yield of ethylene and propylene from a light naphtha feedstock includes obtaining light naphtha feedstock from a primary cracking zone having a cracking catalyst. The light naphtha feedstock is contacted with an olefin catalyst in an olefin producing zone to produce an ethylene and propylene rich stream. After reacting with the olefin catalyst the ethylene and propylene rich stream is separated from the olefin catalyst from in a separator zone. At least a portion of the olefin catalyst is regenerated by combusting coke deposited on a surface of the olefin catalyst in an oxygen containing environment and at least a portion of the olefin catalyst is heated. These portions could be the same one or they could be different. In some embodiments at least a portion of the olefin catalyst could be neither regenerated nor heated. The olefin catalyst is returned to the olefin producing zone.

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

(21) Application No.4460/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TOOTHBRUSH

(51) International classification	:A46B5/00,A46B5/02	(71)Name of Applicant:
(31) Priority Document No	:61/416112	1)BRAUN GMBH
(32) Priority Date	:22/11/2010	Address of Applicant :Frankfurter Strasse 145 61476
(33) Name of priority country	:U.S.A.	Kronberg/Taunus Germany
(86) International Application No	:PCT/IB2011/055243	(72)Name of Inventor:
Filing Date	:22/11/2011	1)MOHR Juergen
(87) International Publication No	:WO 2012/069996	2)VITT Martin
(61) Patent of Addition to Application	:NA	3)STOERKEL Jens
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An oral care implement is described herein. The oral care implement has a base having a handle region an oral engaging region and a neck between the handle region and the oral engaging region. A recess surrounds the handle and/or the neck and has a first boundary and a second boundary and the first boundary is further from a distal end than the second boundary. The first boundary has an angle of greater than about 90 degrees with respect to a mold parting line of the oral care implement. The base has a first material and a collar made of a second material which is different than the first material is disposed in the recess.

No. of Pages: 44 No. of Claims: 15

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR MONITORING MECHANICALLY COUPLED STRUCTURES

(51) International :G01C1/00,G01C15/00,G01C19/38

(31) Priority Document No :10 2010 053 582.6 (32) Priority Date :06/12/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/006086

No :05/12/2011

Filing Date .03/12/201

(87) International Publication :WO 2012/076145

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

(62) Divisional to Application

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)NORTHROP GRUMMAN LITEF GMBH

Address of Applicant: Lrracher Strasse 18 79115 Freiburg

Germany

(72) Name of Inventor:

1)DORNER Georg 2)RASCH Andreas

3)IGEL Heiner 4)SCHREIBER Ulrich

5)WASSERMANN Joachim

#### (57) Abstract:

Proposed is a system and a method for monitoring a mechanically coupled structure (101, 403, 502, 506, 602), having a first sensor (102), which is configured to determine its orientation relative to Earths rotational axis (202) at predetermined time points as a first measurement result, wherein the first sensor (102) is connectable to a first part of the mechanically coupled structure (101, 403, 502, 506, 602), having at least one second sensor (104, 402, 504, 604), which at start-up of the system has a known first orientation with respect to the first sensor (102) and is configured to ascertain a rate of rotation or an acceleration as a second measurement result, wherein the at least one second sensor (104, 402, 504, 604) is connectable to a second part of the mechanically coupled structure (101, 403, 502, 506, 602), having a central unit (106), and having a communications network (108) via which the central unit (106) is connected to the first sensor (102) and the second sensor (104, 402, 504, 604), wherein the first sensor (102) is configured to transmit the first measurement results to the central unit (106), the second sensor (104, 402, 504, 604) is configured to transmit the second measurement results to the central unit (106) and the central unit (106) is configured to monitor the mechanically coupled structure (101, 403, 502, 506, 602) using the first and second measurement results.

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

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ENERGY ABSORPTION DEVICE WITH FIBRES EMBEDDED IN A PLASTIC MATERIAL AND ASSOCIATED FRONT FACE

(51) International classification	:B60R19/34.F16F7/12	(71)Name of Applicant :
(31) Priority Document No	:10 59581	1)FAURECIA BLOC AVANT
(32) Priority Date	:22/11/2010	Address of Applicant :2 Rue Hennape F 92000 Nanterre
(33) Name of priority country	:France	France
(86) International Application No	:PCT/FR2011/052711	(72)Name of Inventor:
Filing Date	:21/11/2011	1)BURON Marie Pierre
(87) International Publication No	:WO 2012/069746	2)COMPAGNON Philippe
(61) Patent of Addition to Application	:NA	3)STEINMETZ Abla
Number	:NA	4)GONIN Vincent
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to an energy absorption device for a motor vehicle said device comprising a structure provided so as to plastically deform under the effect of an impact of given energy absorbing part of the energy of the impact the structure consisting of a material comprising: a matrix of a ductile plastic material; and high tenacity fibres embedded in the matrix the majority of the fibres having a length of between 0.1 and 10 mm and the material comprising between 2 and 10 weight % of high tenacity fibres.

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

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CLOSURE SYSTEM FOR CONTAINERS AND RELATED CONTAINER AND PROCESS FOR THE REALIZATION

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (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: (75) Name of Inventor: (76) Name of Inventor: (77) Name of Inventor: (78) Name of Inventor: (78) Name of Inventor: (79) Name of Inventor: (79) Name of Inventor: (79) Name of Inventor: (70) Name o	<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 :Via Dell TM Industria, 99- 36071 - Arzignano (VI)- Italy , Italy (72)Name of Inventor :
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#### (57) Abstract:

The present invention relates to a closure system for containers comprising a closing element (1) integrally sealable to the container (10) at one of its openings (3) to be closed, and a preferential separation zone (11) betwen said container (10) and said closing element (1), said closure system (C) being characterized in comprising first guiding and/or coupling means (A, 12, 13) for guiding and controlling the movement of the closing element (1) from a first blocking position, wherein the closing element (1) is integral to the container (10), to a second unblocking position, wherein the closing element (1) is apart from the container (10) in correspondence of the preferential separation zone (11) having, as guide means for opening, a first thread (13) on the insert (12) and a second thread (4) formed within the closing element (1).

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

(21) Application No.2613/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: WIND TURBINE AIR DEFLECTOR SYSTEM 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</li> </ul>	:F03D :14/484,873 :12/09/2014 :U.S.A. :NA :NA :NA	,
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

One or more controllers may perform one or more methods to control one or more air deflector units of one or more wind turbine rotor blades. The methods include per-blade control methods that may be performed, e.g., to reduce blade loading caused by wind gusts. The methods also include collective control methods that may be performed, e.g., to reduce tower motion and/or rotor speed.

No. of Pages: 88 No. of Claims: 24

(21) Application No.2693/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: VEHICLE

(51) International classification	:B60D	(71)Name of Applicant:
(31) Priority Document No	:2014-	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Thority Document 110	175992	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(32) Priority Date	:29/08/2014	471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MURATA Takashi
Filing Date	:NA	2)KURUMA Yusuke
(87) International Publication 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 includes: an electric storage device; a first temperature sensor configured to detect a temperature of the electric storage device; a second temperature sensor configured to detect an environmental temperature; a heater configured to warm the electric storage device; and a controller configured to control the heater. The controller is configured to: when end time of the external charging is set, calculate a remaining time period from current time to the end time; identify a temperature increasing time period that corresponds to the calculated remaining time period, the temperature of the electric storage device, and the environmental temperature by using a corresponding relationship among the remaining time period, the temperature of the electric storage device, the environmental temperature, and the temperature increasing time period; and start driving the heater such that the temperature of the electric storage device at the end time reaches the target temperature. Selected drawing: FIG. 4

No. of Pages: 55 No. of Claims: 6

(21) Application No.4486/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ELECTRONIC BOOK RENTALS

(51) International classification	:H04L9/32	(71)Name of Applicant:
(31) Priority Document No	:12/981056	1)AMAZON TECHNOLOGIES INC.
(32) Priority Date	:29/12/2010	Address of Applicant :PO Box 8102 Reno NV 89507 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/066142	1)RAUSCH Daniel B.
Filing Date	:20/12/2011	2)FARDEEN Mohamed Aakhil
(87) International Publication No	:WO 2012/092021	3)LIMP David A.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Architectures and techniques are described to rent electronic books. In particular a content provider can rent electronic books to individuals for a specified rental term. The individuals may have the option to modify the rental term for an electronic book. The rental term for a particular electronic book may be modified by extending the rental term of the particular electronic book or decreasing the rental term of the particular electronic book. Individuals may also convert the rental of an electronic book to a purchase and a purchase of an electronic book to a rental. In order to rent the electronic books to individuals the content provider may acquire permission from the publishers of the electronic books. In some cases the content provider may acquire a pool of time bound rentable licenses from the publishers to allocate to individuals renting electronic books from the content provider.

No. of Pages: 72 No. of Claims: 14

(22) Date of filing of Application :04/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SPECIFIC SALIVARY BIOMARKERS FOR RISK DETECTION, EARLY DIAGNOSIS, PROGNOSIS AND MONITORING OF PREDIABETES AND DIABETES

<ul> <li>(51) International classification</li> <li>(31) 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)BALWANT RAI Address of Applicant: Vill-Bhangu, P.OSahuwala 1, District-Sirsa, (Haryana), India Haryana India 2)JASDEEP KAUR (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	1)BALWANT RAI 2)JASDEEP KAUR

#### (57) Abstract:

The present invention relates to a method for diagnosis of Pre-diabetes and Diabetes mellitus patients and aiding in the diagnosis or diagnostic biomarkers of Pre-diabetes and DM patients, monitoring and prognosis of Pre-diabetes and DM patients and risk of Pre-diabetes and DM patients in an individual by qualitative or quantitative measuring or estimating the levels of biomarkers of individual pre-diabetic and diabetic diagnostic biomarkers in saliva samples. It also provide a means for quantification or qualitative analysis of one or multiple biomarkers, which, when measured in combination are strong indicators for diagnosis of pre-diabetes and diabetes, Pre-diabetes and diabetes prognosis, early detection of Pre-diabetes and Diabetes mellitus and risk of Pre-diabetes and Diabetes mellitus in the individual.

No. of Pages: 31 No. of Claims: 10

(21) Application No.4325/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/05/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: METHOD OF TREATMENT WITH BRAF INHIBITOR

(51) International :A61K31/44,C07D401/00,C07D417/00 classification

(31) Priority Document No:61/415620 (32) Priority Date :19/11/2010 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2011/061408

Application No :18/11/2011 Filing Date

(87) International

:WO 2012/068468 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)GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED

Address of Applicant :980 Great West Road Brentford

Middlesex TW8 9GS U.K. (72) Name of Inventor: 1)BLEAM Maureen

2) GILMER Tona M. 3)GREGER James G. Jr. 4)LAQUERRE Sylvie G.

5)LIU Li

## (57) Abstract:

The disclosure is directed to a method of treating humans suffering from V600 mutant melanoma that incorporates the detection of the presence or absence of at least one mutation in at least one NRAS protein and/or at least one MEK1 protein or a gene encoding said protein and subsequently initiating treatment modifying treatment or discontinuing treatment with a chemotherapeutic agent selected from a BRaf inhibitor or other suitable agent based upon the presence or absence of said mutation.

No. of Pages: 133 No. of Claims: 10

(21) Application No.4480/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: ROLLER BEARING METHOD AND APPARATUS

(51) International :F16C19/22,F16C33/46,F16C35/06

classification

(31) Priority Document No :61/414843 (32) Priority Date :17/11/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/061000

:16/11/2011 Filing Date

(87) International Publication :WO 2012/068253

(61) Patent of Addition to **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)JOHNSON CRUSHERS INTERNATIONAL

Address of Applicant: 86470 Franklin Blvd. Eugene OR

97405 U.S.A.

(72)Name of Inventor:

1)JUHLIN Jon

# (57) Abstract:

Embodiments herein generally provide a pin guided roller bearing utilizing an interference fit e.g. a shrink fit and/or press fit to strengthen the connection between the pins and the cage which may increase the durability of the cage. Various embodiments generally include a pin guided cage and a plurality of roller elements coupled to the cage wherein the pins are coupled to the cage by an interference fit. The roller bearing may further include a top race and a bottom race coupled to opposite sides of the roller elements. The roller bearing may generally facilitate the movement of the top race relative to the bottom race while subject to a substantial load on the top race.

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

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : THERAPEUTIC TREATMENT FOR METABOLIC SYNDROME TYPE 2 DIABETES OBESTIY OR PREDIABETES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K31/497 :61/458430 :23/11/2010 :U.S.A. :PCT/US2011/061586 :21/11/2011 :WO 2012/071295 :NA	(71)Name of Applicant: 1)VEROSCIENCE LLC Address of Applicant:1334 Main Road Tiverton RI 02878 U.S.A. (72)Name of Inventor: 1)CINCOTTA Anthony H.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention is directed to a method for treating a patient suffering from a metabolic disorder such as the metabolic syndrome Type 2 diabetes obesity or prediabetes and the metabolic sequale of these diseases including cardiovascular cerebrovascular renal and hepatic diseases comprising the step of: administering to a patient suffering from the metabolic syndrome Type 2 diabetes obesity or prediabetes a pharmaceutical composition comprising (1) at least one compound that stimulates an increase in central dopaminergic neuronal activity level in the subject and (2) at least one compound that stimulates a decrease in central noradrenergic neuronal activity level in the subject.

No. of Pages: 70 No. of Claims: 4

(21) Application No.4485/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ADAPTOR 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>	:16/12/2010 :WO 2012/049532 :NA :NA :NA	(71)Name of Applicant:  1)BECTON DICKINSON FRANCE Address of Applicant: Rue Aristide Berg's F 38800 Le Pont De Claix France (72)Name of Inventor: 1)BOSSHARDT Michel 2)GUILLARD Benoit
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a drug delivery device (1) comprising: a reservoir (20) for containing a product said reservoir having a distally projecting end piece (21) having a longitudinal axis A and defining a channel providing a passageway for the transfer of the product from the reservoir an adaptor having a collar (30) engageable with said end piece securing means for blocking said collar in the distal direction with respect to said end piece once said collar is engaged around said end piece anti rotation means for preventing the rotation of said collar with respect to said end piece around said longitudinal axis A under the effect of a turning torque applied to said collar once said collar is engaged around said end piece deactivating means for neutralizing said anti rotation means once said turning torque has reached a predetermined value thereby allowing the rotation of said collar with respect to said end. The invention also relates to such an adaptor.

No. of Pages: 30 No. of Claims: 34

(21) Application No.2101/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DIMERIC ANIONIC ANTHRAQUINONE DYES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C09B1/52, :102012021081.7 :20/10/2012 :Germany :PCT/EP2013/003120 :17/10/2013 :WO 2014/060103 :NA :NA :NA	(71)Name of Applicant:  1)CLARIANT INTERNATIONAL LTD. Address of Applicant: Rothausstrae 61 CH 4132 Muttenz Switzerland (72)Name of Inventor: 1)GISLER Markus
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## (57) Abstract:

The invention concerns novel compounds of formula (I) where R1 R2 and R3 are independently hydrogen Calkyl or Calkyloxy. The compounds of formula (I) are useful for dyeing and printing natural or synthetic polyamides.

No. of Pages: 17 No. of Claims: 14

(21) Application No.2161/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: IMPLANTABLE DEVICE FOR MOULDING THE CURVATURE OF THE CORNEA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61F2/14 :61/698177 :07/09/2012 :U.S.A. :PCT/BR2013/000345 :06/09/2013 :WO 2014/036622 :NA :NA :NA	(71)Name of Applicant:  1)MEDIPHACOS INDŠSTRIAS M‰DICAS S/A Address of Applicant: Avenida Deputado Cristovam Chiaradia 777 Buritis CEP:30575 815 Belo Horizonte MG Brazil (72)Name of Inventor:  1)SOARES Marcelo Francisco Pessoa 2)CAMARGOS Marcelo Duarte 3)COSKUNSEVEN Efekan
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#### (57) Abstract:

The present invention relates to an implantable device for moulding the curvature of the cornea which comprises a substantially circular structure with a convex surface provided with apertures for biological exchange between the layers of the cornea said substantially circular structure having the format of a circular segment or of a spherical/aspherical dome optionally provided with a central opening. The device in question also comprises means for promoting modelling of the cornea in order that the latter can acquire the curvature closest to that desired thereby providing a significant reduction in visual disturbances caused by corneal ectasias such as keratoconus.

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

(22) Date of filing of Application :12/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CATHODE MATERIAL, CATHODE INCLUDING THE SAME, AND LITHIUM BATTERY INCLUDING THE CATHODE

(51) International classification	:H01M	(71)Name of Applicant:
(31) Priority Document No	:10-2014-	1)Samsung SDI Co., Ltd
(31) I Hority Document 140	0105324	Address of Applicant :150-20, Gongse-ro, Giheung-gu,
(32) Priority Date	:13/08/2014	Yongin-si, Gyeonggi-do, Republic of Korea Republic of Korea
(22) Name of milarity country	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)In Kim
(86) International Application No	:NA	2)Eunjung Kim
Filing Date	:NA	3)Sangwoon Yang
(87) International Publication No	: NA	4)Jongbum Lee
(61) Patent of Addition to Application Number	:NA	5)Youngeun Kim
Filing Date	:NA	6)Jaekyung Kim
(62) Divisional to Application Number	:NA	•
Filing Date	:NA	

## (57) Abstract:

A cathode material includes a cathode active material; and a carbon material of secondary particles including a plurality of primary particles, where the carbon material of the secondary particles has an average chain length that is equal to or less than 50 primary particles coupled to each other. A cathode includes the cathode material and a current collector. A lithium battery includes the cathode.

No. of Pages: 44 No. of Claims: 20

(22) Date of filing of Application :24/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTAKE STRUCTURE FOR INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:JP2014- 195034	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
(32) Priority Date	:25/09/2014	ku, Tokyo 107-8556, Japan, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHUICHI OCHIAI
Filing Date	:NA	2)KAZUYUKI KOSEI
(87) International Publication No	: NA	3)KAZUNORI KIKUCHI
(61) Patent of Addition to Application Number	:NA	4)YASUHIKO NAKANO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

In an intake structure for an internal combustion engine in which a cylinder head is formed with an intake valve port opening at a ceiling portion of a combustion chamber and having a crescent-shaped protruding part protruding outside from an inner periphery of a cylinder bore when viewed in a direction along a cylinder axis, and an intake port partly curved to communicate with the intake valve port, in which a valve shaft portion constituting an intake valve together with an umbrella-like valve portion is supported in the cylinder head to be able to perform an opening/closing operation, and in which a cutout part for avoiding an interference with the valve portion is provided at an opening rim on the cylinder head side of a cylinder bore, a rotational axis of a tumble flow within the combustion chamber is made to be orthogonal to the cylinder axis within the combustion chamber, so that agitation in the combustion chamber can be performed without unevenness to heighten fuel efficiency. [Solution] A part close to the intake valve port 51 of the intake port 53 is formed with a straight portion 53a extending along a virtual plane VP which includes both of the cylinder axis C and a center axis CV of the valve shaft portion 57b. [Selected Drawing] FIG. 7

No. of Pages: 30 No. of Claims: 5

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: GUIDE PLATE FOR LATERALLY GUIDING A RAIL AND SYSTEM FOR ATTACHING A RAIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:07/10/2011 :WO 2012/069246 :NA :NA :NA	(71)Name of Applicant:  1)VOSSLOH WERKE GMBH  Address of Applicant: Vosslohstrae 4 58791 Werdohl  Germany (72)Name of Inventor:  1)ORTMANN Marcus 2)BRESSEL Dierk
Filing Date	:NA	

#### (57) Abstract:

Guide plate (1) for laterally guiding a rail (S) and a rail attachment system having such a guide plate (1). The guide plate (1) has base surface on which the guide pate (1) stands in the completely mounted state and a supporting section (22) which is assigned to the counterbearing (G) and has a supporting face with which the guide plate (1) is supported in the completely mounted state on a counterbearing (G). A shoulder (29) through whose end face (31) assigned to the counterbearing (G) the support face (5) of the support section (28) is extended is formed on the support section (28); the maximum height (H29) of the shoulder (29) above the bearing face (12) assigned to the contact area on the underlying surface (U) of the guide plate (1) is larger than the maximum height (HG) of the counterbearing (G) above the contact area on the underlying surface (U) said counterbearing (G) supporting the guide plate (1) in the completely mounted state.

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

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CENTRALIZER AND ASSOCIATED 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 Number</li> </ul>	:E21B :1415352.2 :29/08/2014 :U.K. :NA :NA :NA	(71)Name of Applicant: 1)CENTEK LTD. Address of Applicant: Station View Forde Road Brunel Industrial Estate Newton Abbot Devon, TQ12 4AE, United Kingdom U.K. (72)Name of Inventor: 1)JENNER, Andrew
(61) Patent of Addition to Application Number	:NA	1)JENNER, Andrew
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A centralizer, a device and a system are disclosed. The centralizer has a longitudinal axis, and comprises first and second opposing end collars positioned around the axis of the centralizer, and a plurality of spring bows extending from the first end collar via a generally convex curved portion to the second end collar, wherein a radial distance from an outwardly facing portion of the first end collar to the axis is: greater than a radial distance from a first outwardly facing portion of a spring bow of the plurality of spring bows, at a longitudinal axial position where the spring bow extends from the first end collar, to the axis, and less than a radial distance from a second outwardly facing portion of the spring bow, at a longitudinal axial position between the first end collar and the second end collar that is farthest from the axis, to the axis.

No. of Pages: 29 No. of Claims: 25

(21) Application No.2966/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :05/10/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A BIOPESTICIDE FOR TERMITE CONTROL

(51) International classification	:A01N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, DELHI
(32) Priority Date	:NA	Address of Applicant :Hauz Khaz, New Delhi-110016, India
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SATYAWATI SHARMA
(87) International Publication No	: NA	2)SATYA NARAYAN NAIK
(61) Patent of Addition to Application Number	:NA	3)PHOOL KUMAR PATANJALI
Filing Date	:NA	4)MONICA VERMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A biopesticidal formulation for termite control comprising: 1-5% nonpolar solvent extract of Curcuma sp. and active component of Pongamiapinnata, 1-5% solvent, 70-74% water and 20-24% surfactant.

No. of Pages: 45 No. of Claims: 5

(21) Application No.3050/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

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

(51) International classification	:B26B19/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ITM CO., LTD.
(32) Priority Date	:NA	Address of Applicant :6-1-13, Nakaishikiri-cho, Higashiosaka-
(33) Name of priority country	:NA	shi, Osaka 579-8014, Japan, Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TOSHIHARU IHARA
(87) International Publication 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 shaving machine which conducts shaving work with guiding a linear work (W) along a standard axis (La) in which a first clamping means (1) keeping the linear work (W) concentric with the standard axis (La) and freely movable to a rear side, a second clamping means (2) disposed behind the first clamping means (1) and keeping the linear work (W) concentric with the standard axis (La) and freely movable to the rear side, a cutting means (4) to cut the linear work (W) between the first clamping means (1) and the second clamping means (2), a third clamping means (3) disposed behind the second clamping means (2) and keeping the linear work (W) concentric with the standard axis (La) and freely movable to the rear side, a cutting bit (60) disposed behind the third clamping means (3) to conduct shaving work on the linear work (W), a bit controlling means (6) to slide the cutting bit (60) along a radial direction (R) of the linear work (W), and a rotation driving cylinder (7) disposed behind the cutting bit (60) and rotating the cutting bit (60) around the standard axis (La), are provided; and three or more clamp arms (81, disposed around the standard axis (La) and holding a shaved portion (Wa) of the linear work (W) pushed into the rotation driving cylinder (7) to the rear side, are provided.

No. of Pages: 38 No. of Claims: 4

(21) Application No.3420/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CLAY BASED PRODUCT IN SHEET FORM FOR COSMETIC APPLICATIONS

:A61Q	(71)Name of Applicant :
:NA	1)L'OREAL
:NA	Address of Applicant :14, rue Royale, 75008 Paris, France
:NA	France
:NA	(72)Name of Inventor:
:NA	1)GAURAV AGARWAL
: NA	2)JEAN- PASCAL HIRT
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The invention relates to an applicator body, wherein said applicator body composition comprises at least one clay and at least one water soluble polymer. The invention also relates to methods for preparing said applicator body and methods of cosmetic care.

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

(22) Date of filing of Application :25/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMPOSITION FOR FOOD SUPPLEMENT AND METHOD FOR MANUFACTURING 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>	:A61K36/28,A61K36/41,A61K36/87 :NA :-	(71)Name of Applicant:  1)TEREZOV Vasil Petrov  Address of Applicant: Kv. Levski str.560 No 42 1836 Sofia Bulgaria (72)Name of Inventor:  1)TEREZOV Vasil Petrov
(86) International Application No Filing Date	:PCT/BG2010/000020 :26/10/2010	
(87) International Publication No	:WO 2012/054993	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
<ul><li>(62) Divisional to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	

### (57) Abstract:

This invention relates to a composition of immune stimulating vegetal food supplement efficient in removing ballast substances from the body and in purifying the blood from free radicals and injurious high levels of total, LDL, HDL cholesterol and triglycerides. Its use leads to permanent positive effect in general body s strengthening and immune system functions recovery. A food supplement composition has been described comprising extracts of leuzea rhodiola rosea grapes seeds and green rooibos. A method for manufacturing this composition has been described comprising steps of dry drug s grinding active substances extraction and lyophilic drying.

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

(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : REACTION SYSTEM FOR PRODUCING PUR AND PIR HARD FOAM MATERIALS CONTAINING LAYER SILICATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C08G18/08, C08K3/36 :12189158.4 :19/10/2012 :EPO :PCT/EP2013/071736 :17/10/2013 :WO 2014/060522	3)STREY ,Reinhard 4)SOTTMANN ,Thomas
<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         <ul> <li>Filing Date</li> </ul> </li> </ul>	:WO 2014/060522 :NA :NA :NA :NA	4)SOTTMANN ,Thomas 5)ENGELEN, Diana

## (57) Abstract:

The invention relates to a reaction system for producing PUR and PIR hard foam materials, comprising the following components: A) a compound which is reactive towards isocyanates; B1) a surfactant component; C) a propellant in a supercritical or near-critical state; D) a polyisocyanate; and E) a layer silicate. The invention further relates to a reaction system for producing PUR and PIR hard foam materials, comprising the following components: B2) a surfactant component with functional groups which are reactive towards isocyanates; C) a propellant in a supercritical or near-critical state; D) a polyisocyanate; and E) a layer silicate. The invention further relates to a method for producing PUR and PIR hard foam materials and to PUR and PIR hard foam materials which can be obtained from the aforementioned reaction systems.

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

(21) Application No.2919/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/04/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: PREPARATION OF PROPANE OXIDATION CATALYSTS

(51) International :B01J37/03,B01J37/08,B01J27/057

classification

(31) Priority Document No :61/707059 (32) Priority Date :28/09/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/058201

No :05/09/2013

Filing Date

(87) International Publication

:WO 2014/051957 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) ROHM AND HAAS COMPANY

Address of Applicant: 100 Independence Mall West,

Philadelphia, PA 19106 U.S.A. (72)Name of Inventor:

1)BOGAN, Leonard, E.;

(57) Abstract:

A process for preparing a propane oxidation catalyst, the process comprising pre-calcining a catalyst precursor in a precalcining zone in an oxygen containing gas, then feeding an oxygen-free gas to a purging zone until the gas exiting the zone is substantially free of oxygen, and calcining the pre- calcined precursor to obtain the catalyst.

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

(21) Application No.2994/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/10/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MODULAR TRANSPORTABLE NUCLEAR 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> </ul>	:12/09/2013 :WO 2014/043335	(71)Name of Applicant:  1)LOGOS TECHNOLOGIES LLC Address of Applicant: 2701 Prosperity Avenue, Suite 400, Fairfax, Virginia 22031 U.S.A. (72)Name of Inventor: 1)FILIPPONE, Claudio 2)VENNERI, Francesco
	:WO 2014/043335 :NA :NA :NA :NA	2)VENNERI ,Francesco

### (57) Abstract:

The present invention relates generally to electric power and process heat generation using a modular, compact, transportable hardened nuclear generator rapidly deployable and retrievable, comprising power conversion and electric generation equipment fully integrated within a single pressure vessel housing a nuclear core. The resulting transportable nuclear generator does not require costly site- preparation, and can be transported fully operational. The transportable nuclear generator requires an emergency evacuation area substantially reduced with respect to other nuclear generators as it may be configured for operation with a melt- proof conductive ceramic core which allows decay heat removal even under total loss of coolant scenarios.

No. of Pages: 58 No. of Claims: 40

(22) Date of filing of Application :05/02/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: V-BELT CONTINUOUSLY VARIABLE TRANSMISSION

		(71)Name of Applicant:
		1)MUSASHI SEIMITSU INDUSTRY CO., LTD.
(51) International classification	:F16H	Address of Applicant :39-5, AZA DAIZEN, UETA-CHO,
(31) Priority Document No	:2013-	TOYOHASHI-SHI, AICHI, JAPAN Japan
(31) Thomas Document No	072357	2)HONDA MOTOR CO., LTD.
(32) Priority Date	:29/03/2013	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)AKIRA SHIGIHARA
(86) International Application No	:NA	2)TERUHISA OKAMOTO
Filing Date	:NA	3)TAKASHI ATSUMI
(87) International Publication No	: NA	4)MANABU NISHIMURA
(61) Patent of Addition to Application Number	:NA	5)YURI SATO
Filing Date	:NA	6)TOSHIAKI YAMAMOTO
(62) Divisional to Application Number	:NA	7)GO MORITA
Filing Date	:NA	8)KENICHIRO KAKEMIZU
		9)MICHIO ASUMI
		10)HIDEO ISHIKAWA

## (57) Abstract:

Disclosed is a V-belt continuously variable transmission (10) provided with 5 an actuator (30) that uses ordinary screws threads in place of a ball screw. As a motor (32) is driven to rotate a nut member (34), an output rod (46) is moved axially to move a movable sheave member (21) toward or away from a fixed sheave member (15). A female screw (44) is formed on the nut member (341, and a male thread (45) is formed on the output rod (46). 10 (Figure 1)

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

(21) Application No.4708/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SOFTWARE ANALYSIS PROGRAM AND SOFTWARE ANALYSIS 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>	:G06F 9/44 :NA :NA :NA :PCT/JP2011/006908 :12/12/2011 :WO 2013/088461 :NA :NA :NA	(71)Name of Applicant: 1)HITACHI LTD. Address of Applicant:6 6 Marunouchi 1 chome Chiyoda ku Tokyo 1008280 Japan (72)Name of Inventor: 1)FUKUDA Takeshi 2)ATARASHI Yoshitaka 3)YOSHIMURA Kentaro 4)AIDA Keiichi 5)SUGIYAMA Yohei
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#### (57) Abstract:

The objective of the present invention is to easily identify differential locations among a plurality of source code units and to allow the scope of effect imparted by the differential locations to be capable of being easily understood even for software which as an embedded system is relatively large scale and complex. A software analysis system for an embedded system in which a computer system has been embedded has a similarity degree measurement unit (132) which treats dependency relationships within source code controlling the embedded system as a graph structure and measures a degree of similarity for one or more source code units and an image display unit (14) which displays the degree of similarity.

No. of Pages: 51 No. of Claims: 9

(22) Date of filing of Application :04/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONTROLLED FORCE SURGICAL IMPLANT IMPACTION INSTRUMENT

<ul><li>(51) International classification</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>	:A61B :13/679,707 :16/11/2012 :U.S.A. :NA	l '
Filing Date	:NA	1)MICHAEL J. FORTIN
(87) International Publication No	: NA	2)JOHN W. CUNEO
(61) Patent of Addition to Application Number	:NA	3)ROD G. CAMERON, JR.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A controlled force surgical implant impaction instrument is provided which includes a striking assembly, a retaining pin, and an actuator component. The striking assembly is configured to impact a surgical implant. The retaining pin is moveable between a first position and a second position. In the first position, the retaining pin inhibits distal movement of the striking assembly. In the second position, the retaining pin does not inhibit distal movement of the striking assembly. The actuator component includes a reloading channel. The actuator component is movable between a third position and a fourth position. In the third position, the retaining pin is in the first position and the retaining pin cannot be forced along the reloading channel. In the fourth position, the striking assembly can be used to move the retaining pin along the reloading channel.

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

(21) Application No.372/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: HEAT EXCHANGER ARRANGEMENT IN A 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 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 :102013002478.1 :13/02/2013 :Germany :NA :NA :NA :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)MARIUS DORNSEIF 2)KLAUS KALBACHER 3)RAINER GLUCK
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#### (57) Abstract:

A heat exchanger arrangement in a housing, such as an intake pipe of an internal combustion engine, has at least one stack including tubes and fins and an end plate having media connections, and wherein the stack is inserted into the housing and is fastened therein. A connecting block which contains the media connections and/or at least one profiled rail is arranged on the end plate. The housing has at least one cross-section expanding wall graduation and/or at least one receptacle integrated into the housing wall, wherein the connecting block sits in the cross-section expansion and/or a cross section of the receptacle corresponds approximately to a cross section of the rail.

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

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COMBINATION THERAPY WITH AN ANTITUMOR ALKALOID

(51) International classification :A61K31/4995,A61K31/69,A61K45/06

(31) Priority Document

:10382300.1

No

(32) Priority Date :12/11/2010

(33) Name of priority

:EPO

country (86) International

:PCT/EP2011/069976

Application No Filing Date

:11/11/2011

(87) International Publication No

:WO 2012/062920

(61) Patent of Addition to Application Number

o :NA :NA

:NA

:NA

Filing Date (62) Divisional to Application Number

Filing Date

(71)Name of Applicant: 1)PHARMA MAR S.A.

Address of Applicant : Avda. de los Reyes 1 Polgono Industrial

La Mina Norte E 28770 Colmenar Viejo Madrid Spain

(72)Name of Inventor:

1)MONEO OCA'A Victoria 2)SANTAMAR□A Nš'EZ Gema

3)GARC • A FERN • NDEZ Luis Francisco

4)GALMARINI Carlos Mara

5)GUILL‰N NAVARRO Mara Jos

6)AVIL‰S MAR • N Pablo Manuel

#### (57) Abstract:

The present invention relates to the combination of PM01183 with several anticancer drugs in particular other anticancer drugs selected from antitumor platinum coordination complexes antimetabolites mitotic inhibitors anticancer antibiotics topoisomerase I and/or II inhibitors proteasome inhibitors histone deacetylase inhibitors nitrogen mustard alkylating agents nitrosourea alkylating agents nonclassical alkylating agents estrogen antagonists androgen antagonists mTOR inhibitors tyrosine kinase inhibitors and other agents selected from aplidine ET-743, PM02734 and PM00104, and the use of these combinations in the treatment of cancer.

No. of Pages: 152 No. of Claims: 38

(22) Date of filing of Application :04/06/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MULTIPURPOSE PAINT FORMULATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C09D5/00 :61/414195 :16/11/2010 :U.S.A. :PCT/EP2011/070170 :15/11/2011 :WO 2012/066004 :NA :NA	(71)Name of Applicant:  1)AKZO NOBEL COATINGS INTERNATIONAL B.V. Address of Applicant: Velperweg 76 NL 6824 BM Arnhem Netherlands (72)Name of Inventor: 1)FRENCH Maria 2)KASZUBSKI Glen Joseph
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention includes a paint formulation comprising a water based latex and microspheres wherein the microspheres have an effective particle size and are present in an effective amount to both provide a smooth paint finish and fill cover or conceal superficial blemishes in a painted substrate when the paint formulation is dry. In another embodiment the present invention includes a method of applying a paint formulation to a substrate having superficial surface imperfections comprising applying with a first paint applicator the paint formulation to the superficial imperfections in the surface to be painted allowing the applied paint formulation to dry until it is at least dry to the touch applying with a second paint applicator the paint formulation to the surface of the substrate to produce a first paint surface.

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

(22) Date of filing of Application :16/10/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LINKAGE FOR VEHICLE WIPER 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>	:F16C :201210397614.9 :18/10/2012 :China :NA	(71)Name of Applicant: 1)BOSCH AUTOMOTIVE PRODUCTS (CHANGSHA) CO. LTD. Address of Applicant: No.26, Lixiang Road Middle, Economic & Technical Development Zone, Changsha, Hunan 410100 China
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHEN, Jinsong
(61) Patent of Addition to Application Number	:NA	2)QI, You
Filing Date	:NA	3)CHEN, Sheng
(62) Divisional to Application Number	:NA	4)SURESH, Kumar
Filing Date	:NA	

#### (57) Abstract:

A linkage for a vehicle wiper system, comprising a plate-shaped body at at least one of opposite ends of the linkage and a ball socket mounted in the body, wherein the body has a through-hole perpendicularly extending from an upper surface to a lower surface thereof, and the ball socket is configured as a hollow structure and comprises: a cylindrical segment having an outer dimension which allows it to be inserted through the through-hole, and a flange extending radially from one end of the cylindrical segment and having an outer dimension greater than the inner dimension of the through-hole, wherein a portion of an inner wall of the ball socket is sphere-shaped so that a ball head of a second linkage used in the vehicle wiper system to be connected to said linkage can be received therein, and wherein the body of said linkage is connected to the ball socket mechanically. With the configuration of the present invention, manufacturing process of the linkage is simplified and manufacturing cost is reduced.

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

(21) Application No.3338/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMPRESSOR CHAMBER OF AN AIR CONDITIONING 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>	:B60H :NA :NA :NA	(71)Name of Applicant:  1)WHIRLPOOL OF INDIA LTD.  Address of Applicant: Whirlpool House, Plot No. 40, Sector-44, Gurgaon-122002 Haryana India
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	(72)Name of Inventor: 1)Chandresh Grover 2)Sangeet Jain
<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	2)Sangeet Jani
Filing Date	:NA	

## (57) Abstract:

The present invention provides a suitable mechanism for reducing excessive temperature of a compressor in an air conditioning system. More particularly, the present invention provides a mechanism for forced circulation of air inside the compressor chamber. The compressor chamber of an air conditioner comprises of a compressor and is sealed from all sides. In order to have a forced air circulation in the compressor chamber, an exhaust fan is installed on one of the walls of the compressor chamber. Further, louvers are provided on another wall of the compressor chamber. The louvers allow the ambient air present outside the compressor chamber to mix with the hot air in the compressor chamber and the exhaust fan allows the hot air of the compressor chamber to evacuate to the outdoors. [Figure 4]

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

(21) Application No.3615/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/12/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR GETTING A MAXIMUM MARGIN CLASIFIER WITH MINIMUM VC DIMENSIONS FROM DATA

(51) International classification	:G06K :NA	(71)Name of Applicant: 1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(31) Priority Document No (32) Priority Date	:NA	Address of Applicant :Hauz Khas, New Delhi - 110016 Delhi
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Jayadeva
(87) International Publication 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 and methods for classifying test data based on maximum margin classifier are described. In one implementation, the method includes obtaining training data having a predefined sample size, wherein the training data is composed of separable datasets. For the training data, a VapnikChervonenkis (VC) dimension for the training data is determined. For the VC dimension, an exact bound is subsequently determined. The exact bound may be minimized for obtaining the minimum VC classifier for predicting at least one class to which samples of the training data belong. To be published with FIG.1

No. of Pages: 41 No. of Claims: 24

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: CONTROL DEVICE FOR 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> <li>Number Filing Date</li> </ul>	:27/01/2012 :WO 2013/111197 :NA :NA	(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)MORISHIMA Akinori 2)TSUJIMOTO Kenichi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This control device for an internal combustion engine is applied to an internal combustion engine provided with: an exhaust gas processing device which is provided in the exhaust passage; and a burner device which in order to increase the temperature of exhaust gas supplied to the exhaust gas processing device is provided to the portion of the exhaust passage which is located upstream of the exhaust gas processing device. When the oxygen concentration of exhaust gas supplied to the burner device when there is a request for the operation of the burner device does not exceed predetermined required oxygen concentration the control device executes incremental control for increasing oxygen concentration. Deficient oxygen concentration is corrected or compensated and the combustion performance of the burner device is consistently ensured.

No. of Pages: 56 No. of Claims: 12

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LOST MOTION VALVE ACTUATION SYSTEMS WITH LOCKING ELEMENTS INCLUDING WEDGE LOCKING 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> <li>(86) International Application No Filing Date</li> </ul>	:F01L1/18 :14/331,982 :15/07/2014 :U.S.A. :NA :NA	Address of Applicant :22 East Dudley Town Road, Bloomfield, CT 06002, USA U.S.A. (72)Name of Inventor: 1)JUSTIN BALTRUCKI
<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)G. MICHAEL GRON, JR. 3)KEVIN AUDIBERT 4)NEIL FUCHS

#### (57) Abstract:

A system for actuating one or more engine valves comprises a lost motion assembly including locking elements to selectively lock and unlock a locking mechanism disposed within a valve train such that motions may be likewise selectively applied to, or prevented from being applied to, one or more engine valves. In an embodiment, the locking elements comprise wedges having at least one wedge inclined surface defined according to a cone frustum and configured to engage an outer recess formed in a housing, the outer recess comprising an outer recess inclined surface also defined according to the cone frustum. The device may comprise a locking mechanism disposed within a housing bore in the housing and a snubber also disposed in the housing bore. Furthermore, the outer recess may be configured to permit movement of the locking element along a longitudinal axis of the housing bore.

No. of Pages: 71 No. of Claims: 14

(21) Application No.2165/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FLEXIBLE APPARATUS 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> <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>	:G06F3/14 :1020120092621 :23/08/2012 :Republic of Korea :PCT/KR2013/007584 :23/08/2013 :WO 2014/030967 :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)SEO Joon kyu  2)KANG Kyung a  3)YUN II kook  4)JUNG Sang keun  5)LEE Geun ho
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#### (57) Abstract:

A flexible apparatus is provided. The flexible apparatus includes: a sensor configured to sense bending of the flexible apparatus; and when it is determined that a rubbing gesture of rubbing a plurality of different areas of the flexible apparatus is performed based on a result of the sensing a controller configured to perform an operation corresponding to the rubbing gesture.

No. of Pages: 73 No. of Claims: 15

(21) Application No.2471/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :11/08/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: AN ANCHORING ASSEMBLY FOR ANCHORING A LINER OF A CURED LINING MATERIAL, A FERRULE SUITABLE FOR USE WITH THE ANCHORING ASSEMBLY, AN ANCHORING MOUNTING ASSEMBLY FURTHER COMPRISING A FERRULE HOLDER AND THE USE OF THE ANCHORING ASSEMBLY

(51) International classification :G02B (31) Priority Document No :2013327 (32) Priority Date :13/08/2014 (33) Name of priority country :Netherland (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)SILICON HOLDING B.V. Address of Applicant: Monsterseweg 2, 2291 PB, Wateringen, The Netherlands, Netherlands (72)Name of Inventor: 1)DANIELLE FRANCESCA GAROT 2)WOUTER GAROT 3)JEROME MICHAEL GAROT
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#### (57) Abstract:

An anchoring assembly for anchoring a liner of a cured lining material arranged to be applied in liquid form to a metal object provided with said anchoring assembly, said anchoring assembly comprising an elongated mounting pin and a ferrule provided at a first end of said elongated mounting pin, wherein said elongated mounting pin is arranged to be mounted, at said first end, to said metal object, said anchoring assembly further comprises a plurality of spaced anchor fins, wherein said plurality of spaced anchors fins are connected to said elongated mounting pin at a second end and extend radially outwardly with respect to said elongated mounting pin, wherein said ferrule comprises a radially outwardly extending place holder part arranged to be held by a ferrule holder during mounting of said elongated mounting pin, at said first end, to said metal object.

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

(21) Application No.4896/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/06/2013

(43) Publication Date: 29/04/2016

## (54) Title of the invention: CANNABINOID RECEPTOR ANTAGONISTS INVERSE AGONISTS USEFUL FOR TREATING METABOLIC DISORDERS INCLUDING OBESITY AND DIABETES

(51) International :A61K31/415,C07D231/06,C07D417/12

classification

(31) Priority Document :61/415051

(32) Priority Date :18/11/2010 (33) Name of priority

:U.S.A. country

(86) International

:PCT/US2011/061508 Application No

:18/11/2011 Filing Date

(87) International

:WO 2012/068529 **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)JENRIN DISCOVERY

Address of Applicant :2515 Lori Lane North Wilmington

Delaware 19810 U.S.A. (72) Name of Inventor:

1)MCELROY John

2)CHORVAT Robert

# (57) Abstract:

The present invention provides novel pyrazolines that are useful as cannabinoid receptor blockers and pharmaceutical compositions thereof and methods of using the same for treating obesity diabetes inflammatory disorders cardiometabolic disorders hepatic disorders and/or cancers.

No. of Pages: 66 No. of Claims: 11

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: NOVEL COMPOUNDS AS DIACYLGLYCEROL ACYLTRANSFERASE INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:18/05/2012 :WO 2012/162127	(71)Name of Applicant: 1)GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED Address of Applicant: 980 Great West Road Brentford Middlesex TW8 9GS U.K. 2)CHRISTENSEN Rowena (72)Name of Inventor: 1)QIN Donghui
	:WO 2012/162127 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to novel compounds which are inhibitors of acyl coenzymeA: diacylglycerol acyltransferase 1 (DGAT-1), to pharmaceutical compositions containing them, to processes for their preparation, and to their use in therapy for the prevention or treatment of diseases related to DGAT- 1 dysfunction or where modulation of DGAT- 1 activity may have therapeutic benefit including but not limited to obesity, obesity related disorders, hypertriglyceridemia, hyperlipoproteinemia, chylomicronemia, dyslipidemia, non-alcoholic steatohepatitis, diabetes, insulin resistance, metabolic syndrome, hepatitis C virus infection and acne or other skin disorders.

No. of Pages: 157 No. of Claims: 20

(22) Date of filing of Application :21/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR DETECTING A WIRING FAULT IN A CAPACITIVE SENSOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01R :1459372 :01/10/2014	(71)Name of Applicant: 1)CONTINENTAL AUTOMOTIVE FRANCE Address of Applicant: 1, Avenue Paul Ourliac - 31100
(33) Name of priority country	:France	Toulouse - FRANCE France
(86) International Application No	:NA	2)CONTINENTAL AUTOMOTIVE GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ROCHER, Jacques
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for detecting a wiring fault in a capacitive sensor (1), such as a knock sensor, connected, via a passive acquisition interface (5), to a communication port (P1), that can be configured in either input mode or output mode, of a computer (2). According to the invention, the communication port (P1) is configured in output mode, and a square wave voltage Vn capable of at least partially charging the capacitors (C6, C7, C8a, C8b, C10) of the acquisition interface (5) and the capacitive sensor (1) is generated during a time interval Tc, after which the communication port (P1) is switched to its input mode, so that at least one data element representative of the voltage of the capacitors and of the capacitive sensor is acquired, and finally these data are compared with previously stored reference data so that a wiring fault can be deduced if there is no matching between said data.

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

(21) Application No.3464/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ANTI-ODOUR AND ANTIBACTERIAL FABRIC IN TEXTILE GOODS

(51) International classification	:D06M	(71)Name of Applicant :
(31) Priority Document No	:P 201330854/X	1)SUTRAN I MAS D, S.L. Address of Applicant :AVDA. MARI PUJOL, 529-545, 08915
(32) Priority Date	:07/06/2013	BADALONA (BARCELONA), SPAIN Spain
(33) Name of priority country	:Spain	(72)Name of Inventor:
(86) International Application No	:NA	1)OSCAR DEUMAL RUBIO
Filing Date	:NA	2)DAVID CAHISA GALLARDO
(87) International Publication No	: NA	3)ALEJANDRO ROBAS COBOS
(61) Patent of Addition to Application Number	:NA	4)XIAOZHANG WANG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This Invention Patent application consists of a fabric to be used in textile applications, which makes those items more comfortable and increases their bactericidal capacity, both in the number of types that it fights. and in the time that this capacity is effective, using a mixture of fibres and performing a series of treatments prior to the final manufacture of the textile goods that reinforce the properties of the fabric.

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

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FETOMATERNAL PARAMETER MONITORING SYSTEM

(51) International classification	:F16D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :Ministry of Science and Technology
(33) Name of priority country	:NA	Government of India, Block 2, C.G.O. Complex, Lodhi Road,
(86) International Application No	:NA	New Delhi Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TEEGALA, Balaji
(61) Patent of Addition to Application Number	:NA	2)CHATURVEDI, Anirudh
Filing Date	:NA	3)RAMANI, Abhinav
(62) Divisional to Application Number	:NA	4)JHA, Prashant
Filing Date	:NA	5)BHATLA, Neerja

#### (57) Abstract:

A monitoring system for monitoring fetomaternal parameters is described. The monitoring system includes a flexible patch (104) for covering an abdomen of the patient. The flexible patch (104) includes sensors (274) for detecting fetal heart rate (FHR) and at least two electrodes for monitoring uterine contractions of the patient. The monitoring system (100) also includes a wearable pressure handcuff (106) connected to the flexible patch (104). The wearable pressure handcuff (106) facilitates in recording blood pressure of the patient. In addition, the monitoring system (100) includes a display device (110) coupled to the flexible patch (104) and the wearable pressure handcuff (106). The display device (110) renders data pertaining to the fetomaternal parameters received from the flexible patch (104) and the wearable pressure handcuff (106).

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

(21) Application No.3556/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :05/12/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: ELEVATOR

#### (57) Abstract:

An elevator according to one embodiment includes a drive device configured to drive a traction machine on power supplied from a commercial power source, a battery device configured to store power generated during a regenerative drive and supply the stored power to the drive device during a power drive and a control device connected to the commercial power device and the battery device, the control device configured to be disconnected from the commercial power source during a regular drive and control operation of the elevator using power supplied from the battery device.

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

(21) Application No.571/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/01/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CLEAR, HIGH EFFICIENT AND ENVIRONMENTALLY FRIENDLY GASOLINE 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>	:C10L1/04,C10L1/182,C10L1/185 :201010214479.0 :21/06/2010 :China	(71)Name of Applicant: 1)ZHOU Xiangjin Address of Applicant:Room 2101 22# North Chaoyangmen Street Chaoyang District Beijing 100728 China
(86) International Application No Filing Date	:PCT/CN2011/000969 :10/06/2011	(72)Name of Inventor : 1)ZHOU Xiangjin
(87) International Publication No	:WO 2011/160427	
<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:

A clear, high efficient and environmentally friendly gasoline product with main fraction of C6-C11 has low octane number and relatively low self-firing point, and it can be pressed to combust when the compression ratio of the internal combustion engine is 16-19. Small amount of ethanol or dimethyl ether can be added into the gasoline product.

No. of Pages: 15 No. of Claims: 4

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DISPLAYING MODELING DATA AND LOGICAL DATA

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	:G06F17/00 :13/624467 :21/09/2012 :U.S.A.	rr ,
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:U.S.A. :NA :NA	CHICAGO IL 60606-2016, USA U.S.A. (72)Name of Inventor: 1)VEEKIT O'CHAROEN
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)BRIAN J. PURVES 3)MICHAEL PATRICK SCIARRA 4)PATRICK J. EAMES
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and apparatus for displaying information about a group of harnesses (342). Logical data (312) of a database (310) comprising a group of identifiers (314) comprising a group of harness identifiers (368) and a group of vehicle identifiers (430) of a database (310) is displayed. A selected identifier (328) of the group of identifiers (314) is received. Modeling data (304) is displayed, wherein the modeling data (304) comprises a harness set (306) related to a model (302) of a vehicle that is associated with a vehicle identifier (318) and is related to the selected identifier (328).

No. of Pages: 46 No. of Claims: 14

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROTECTION DEVICE FOR POWER CONVERTER AND PROTECTION METHOD

(51) Intermedianal alassificación	JIOOM	(71) Name of Applicant
(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:2014-	1)Hitachi, Ltd.
(61) 11101111 2 00 011101110	199707	Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:30/09/2014	Tokyo 100-8280, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHIMAZAKI Motohiko
Filing Date	:NA	2)NAGATA Hiroshi
(87) International Publication 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 plurality of the switching elements forming the arms individually include an overvoltage suppression circuit including a clamping element connected between a collector and a gate, a signal generator circuit that applies a gate signal to the gate, and an overvoltage detection circuit disposed in parallel with the signal generator circuit. When an overvoltage occurs on the switching element, the overvoltage detection circuit monitors duration of the overvoltage from a clamp current obtained from the overvoltage suppression circuit and detects a failure of the switching element.

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

(21) Application No.3293/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/04/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention: OSMOTICALLY ACTIVE VAGINAL 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</li> </ul>	:A61M 31/00 :20116073 :01/11/2011 :Finland :PCT/FI2012/051064 :01/11/2012 :WO 2013/064745 :NA :NA	(71)Name of Applicant:  1)BAYER OY  Address of Applicant: Pansiontie 47 FI 20210 Turku Finland (72)Name of Inventor:  1)BRACHT Stefan  2)AHOLA Manja  3)JUKARAINEN Harri  4)KORTESUO Pirjo  5)LYYTIK,,INEN Heikki 6)STOLT Mikael
Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to the field of drug delivery systems. More particularly the invention relates to osmotically active intravaginal delivery systems for the controlled release of therapeutically active substances to the vaginal cavity.

No. of Pages: 34 No. of Claims: 12

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/04/2016

## (54) Title of the invention: HAIR COLORANT CONTAINER IN THE FORM OF A FLEXIBLE SACHET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A45D37/00 :12150162.1 :04/01/2012 :EPO :PCT/US2013/020005 :03/01/2013 :WO 2013/103625 :NA :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)KERR George Scott 2)FINLEY Alton Lloud 3)BLUM Thorsten
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#### (57) Abstract:

A hair colorant container (10) in the form of a flexible sachet having a laminate structure for storing a hair colorant component comprises: a reservoir (2) with an internal volume (13) for storing the hair colorant component a pouring spout (14) being in fluid communication with the internal volume and having an dispensing end (16) for dispensing the hair colorant component the pouring spout being integrally formed with the reservoir and projecting from an upper side of the reservoir and having an elongated shape with a width being smaller than the width of the reservoir and a removable tear tab (18) at the dispensing end for sealing the container before the container has been opened. The pouring spout further comprises at least one re sealing element (48) for reclosing the dispensing end once the tear tab has been removed. The re sealing element has a stiffness being greater than the stiffness of the laminate structure.

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

(21) Application No.574/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/01/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: RECOMBINANT HOST CELLS COMPRISING PHOSPHOKETOLASES

(51) International classification :C12N15/63,C12P7/04,C12P7/16 (71)Name of Applicant:

:NA

(31) Priority Document No :61/356379 (32) Priority Date :18/06/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/040608

No

:16/06/2011 Filing Date

(87) International Publication No:WO 2011/159853

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

Filing Date

1)BUTAMAX(TM) ADVANCED BIOFUELS LLC

Address of Applicant: Experimental Station Building 268 200 Powder Mill Road Wilmington Delaware 19880 0268 U.S.A.

(72)Name of Inventor:

1)DAUNER Michael

2)MAGGIO HALL Lori Ann

3)TOMB Jean Francois

## (57) Abstract:

The present invention is related to recombinant host cells comprising: (i) at least one deletion mutation and/or substitution in an endogenous gene encoding a polypeptide that converts pyruvate to acetaldehyde acetyl phosphate or acetyl CoA; and (ii) a heterologous polynucleotide encoding a polypeptide having phosphoketolase activity. The present invention is also related to recombinant host cells further comprising (iii) a heterologous polynucleotide encoding a polypeptide having phosphotransacetylase activity.

No. of Pages: 3050 No. of Claims: 35

(21) Application No.2586/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :20/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LED LAMP WITH DUAL MODE OPERATION

(T4) Y	F10.4.Y.	77.77
(51) International classification	:F21V	(71)Name of Applicant:
(31) Priority Document No	:62/066,306	1)Energy Focus, Inc.
(32) Priority Date	:20/10/2014	Address of Applicant :32000 Aurora Road, Suite B, Solon,
(33) Name of priority country	:U.S.A.	OH 44139, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)John, M. Davenport
(87) International Publication No	: NA	2)David Bina
(61) Patent of Addition to Application Number	:NA	3)Jeremiah A. Heilman
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An LED lamp has dual modes of operation from fluorescent lamp fixtures. A first circuit powers at least one LED in a first mode of operation when first and second power pins at a first end of the lamp are inserted into power contacts of the fixture that are directly connected to power mains. A second circuit powers at least one LED in a second mode of operation when the second power pin at the first end of the lamp and a third power pin at a second end of the lamp are inserted into power contacts of a fixture powered from an electronic ballast. First and second conduction control means permit the second circuit to power at least one LED during the second mode of operation.

No. of Pages: 62 No. of Claims: 21

(22) Date of filing of Application :28/10/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF DRY CHILLI AND POWDER FROM FRESH CHILLI (CAPSICUM ANNUUM L.)

:A23K1/00,	(71)Name of Applicant:
A23L1/222,	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
A23L1/221	RESEARCH
:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
:NA	(72)Name of Inventor:
:NA	1)MADENENI MADHAV NAIDU
:NA	2)KESTUR VENKATESH MURTHY
: NA	3)JARPALA PURA NAIK
:NA	
:NA	
:NA	
:NA	
	A23L1/222, A23L1/221 :NA :NA :NA :NA :NA :NA :NA :NA

# (57) Abstract:

The present invention provides a process of drying freshly harvested whole red chillies so as to reduce the moisture content from 80% to 8% within a few hours, while retaining the flavour and colour of the chillies along with maintaining the hygiene. The process for drying r.hillipc; results in dried chilli free of any microbial/aflatoxin contamination, which is the main requirement for chilli exports.

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

(21) Application No.3062/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF BIODIESEL FROM ALGAL LIPIDS

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country	C12P5/00, C12M1/00, C12P7/6 :NA :NA	RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA. Delhi India (72)Name of Inventor:
(33) Name of priority country (86) International Application No	:NA :NA	1)KAUL SAVITA 2)PORWAL JYOTI
Filing Date	:NA	3)BANGWAL DINESH PRASAD
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	4)ADHIKARI DILIP KUMAR
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

The. present invention relates to an energy-efficient potential pr<;>cess which includes extracting lipid from the algal biomass (Anabaena, Chlorella, Dunallella, Gloeocapsa, Melosira Scenedesmus and Ankitodesmus) using polar, non polar, polar and non polar mix solvents for extraction of lipids with alternative methods electromagnetic radiation (microwave) and ultrasound, the alternative methods offer a fast, easy route for oil extraction, an ease of operation and reduced energy consumption. Reacting extracted lipids ft high FFA, using · conventional and nonconventional process with lower alcohols like methanol, ethanol, propanol etc in presence of heterogeneous catalyst followed by separation and purification FAAE in the · second stage.

No. of Pages: 20 No. of Claims: 7

(21) Application No.5154/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SINTERED LIGHTWEIGHT AGGREGATES

(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 (51) Patent of Application (51) Patent of Applicant (51) Patent of Address of Applicant (52) Patent of Address of Applicant	Menagerie
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### (57) Abstract:

An apparatus for producing a lightweight aggregate from furnace ash comprises a grinder (10) for grinding the furnace ash A to be processed a pelletiser (12) for receiving the ground furnace ash and for forming pellets thereof and a sintering device (13). The provision of the grinder (10) prior to the pelletiser (12) allows ash from travelling grate boilers to be processed since the coarser clinker contained therein is ground to a suitable consistency for feeding to the pelletiser. The provision of the grinding means prior to the pelletiser also allows for the processing of furnace ash recovered from landfill sites by grinding the clumps and other matter to a suitable consistency for feeding to the pelletiser. Conditioned fly ash B may also be blended with the furnace ash A after it leaves the grinder (10).

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

(21) Application No.590/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/01/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: CROSS-LINKABLE THERMOPLASTIC POLYURETHANES

(51) International :C08G18/65,C08G18/67,C09D175/16 classification

(31) Priority Document No :10168460.3 (32) Priority Date :05/07/2010

(33) Name of priority

:EPO country

(86) International :PCT/EP2011/059772

Application No :14/06/2011 Filing Date

(87) International

:WO 2012/004088 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)HUNTSMAN INTERNATIONAL LLC

Address of Applicant :500 Huntsman Way Salt Lake City

Utah 84108 U.S.A. (72)Name of Inventor:

1)LINDSAY Chris Ian 2)MARINUS Christina

3) VERBEKE Hans Godelieve Guido

4)KLEIN Rene Alexander

## (57) Abstract:

The invention provides a cross-linkable mixture of thermoplastic polyurethanes and ethylenic unsaturated compounds and thermoset materials that can obtained therefrom. The invention also provides application of the cross linkable mixtures and processes in a solvent less coating process.

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

(21) Application No.3348/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :13/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AUTOMATIC ANTI-VEHICLE ROAD BARRIER

(51) International classification (31) Priority Document No	:NA	(71)Name of Applicant: 1)M. Selva Kumar
(32) Priority Date (33) Name of priority country	:NA :NA	Address of Applicant :B/356, Vinayak Mandir Marg, Sarojini Nagar, New Delhi -110023, India Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)S. Siva Mahima
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention concerns an anti-vehicle road barrier which is used as tire deflator for deflating a tire for the purpose of which is disabling such vehicles precludes high-speed which are dangerous to both police officers and to the general public. The tire deflator can be used at traffic lights, and at improvised check points such as police road blocks or other locations where access by non-authorized personnel can be selectively prohibited. Desired features of the present invention include the fact that the tire deflator is light in weight, are usable on an unmodified roadway, can be remotely deployable and retractable (in the permanent facilities application) and allows for rapid immobilization of an offending vehicle. Figure 2

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

(21) Application No.6015/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : FRAGMENTATION TIP INTRAOCULAR SURGERY DEVICE PROVIDED WITH SAME METHOD FOR SUPPRESSING OCCURRENCE OF CAVITATION AND CATARACT SURGERY METHOD

(51) International classification :A61F 9/007 (71)Name of Applicant: (31) Priority Document No 1)SENJU PHARMACEUTICAL CO. LTD. :2012034462 (32) Priority Date Address of Applicant: 5 8 Hiranomachi 2 chome Chuo ku :20/02/2012 (33) Name of priority country Osaka shi Osaka 5410046 Japan :Japan (86) International Application No :PCT/JP2012/060484 (72)Name of Inventor : Filing Date :18/04/2012 1)Kishimoto Makoto (87) International Publication No :WO 2013/125056 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

[Problem] Provided are: a fragmentation tip able to suppress the occurrence of cavitation; an intraocular surgery device; a method for suppressing the occurrence of cavitation; and a cataract surgery method. [Solution] The fragmentation tip is attached to an intraocular surgery device that imparts ultrasonic vibrations and is provided with: a tubular support section mounted to the intraocular surgery device; and a tubular tip main body that is provided to the tip of the support section and that interconnects with the inner space of the support section. The tip main body has a cross sectional shape such that the length in a first direction is longer than the length in a second direction perpendicular thereto. Vibrations are imparted to the support section in a manner so that the tip main body reciprocally rotates around the axial line of the tip main body passing through the center in the first direction and second direction.

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

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: NOISE CANCELING LOW NOISE AMPLIFIER

(51) International classification	:H03F 1/26	(71)Name of Applicant:
(31) Priority Document No	:12153471.3	1)TELEFONAKTIEBOLAGET L M ERICSSON (publ)
(32) Priority Date	:01/02/2012	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/051504	1)MATTISSON Sven
Filing Date	:25/01/2013	2)ANDERSSON Stefan
(87) International Publication No	:WO 2013/113637	
(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 noise canceling LNA circuit (30) for amplifying signals at an operating frequencyin a receiver circuit (10) is disclosed. The LNA circuit (30) comprises a first (42) and a second (46) amplifier branch each having an input terminal (43 47) connected to an input terminal (32) of the LNA circuit (30). The first amplifier branch (42) comprises an output terminal (44) for supplying an output current of the first amplifier branch (42) and a common source or common emitter main amplifier. The main amplifier has an input transistor (50) having a first terminal (52) which is a gate or base terminal operatively connected to the input terminal (43) of the first amplifier branch a shunt feedback capacitor (60) operatively connected between the first terminal (52) of the input transistor (50) and a second terminal (54) which is a drain or collector terminal of the input transistor (50) and an output capacitor (65) operatively connected between the second terminal (54) of the input transistor (50) and the output terminal (44) of the first amplifier branch (42). The second amplifier branch (46) comprises an output terminal (48) for supplying an output current of the second amplifier branch (42) and the output current of the ENA circuit (30) comprises circuitry (68) for combining the output current of the LNA circuit (30).

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

(22) Date of filing of Application :26/08/2015

(43) Publication Date: 29/04/2016

(54) Title of the invention: ASSOCIATION OF N-{[(7S)-3,4-DIMETHOXYBICYCLO[4.2.0]OCTA-1,3,5-TRIEN-7-YL]METHYL}-3-(7,8-DIMETHOXY-1,2,4,5-TETRAHYDRO-3H-3-BENZAZEPIN-3-YL)-N-METHYL-3-OXO-1-PROPANAMINE WITH PERINDOPRIL AND PHARMACEUTICAL 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> <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>	:A61K :10.02525 :15/06/2010 :France :NA :NA : NA : NA :NA	(71)Name of 1)LES LAI Address of Cedex, France (72)Name of 1)CHRIST 2)PAULUS 3)JEAN-PA 4)MARIE- 5)LUC FE 6)GUY LE
Filed on	:13/06/2011	6)GUY LE

f Applicant :

#### BORATOIRES SERVIER

of Applicant :35, rue de Verdun, F-92284 Suresnes

ce France

f Inventor :

TIAN THUILLEZ S MULDER **PAUL VILAINE** 

-DOMINIQUE FRATACCI

ELDMANN

6)GUY LEREBOURS-PIGEONNIERE

7) JEROME ROUSSEL

## (57) Abstract:

Association of N- { [(7.S-3,4-dirnethoxybicyclo[4.2.0]octa-I,3,5-trien-7-yljmethyl }-3-(7,8-diinethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro-3H-3-dirnethoxy-1,2,4,5-tetrahydro benzazepin-3-yl)-N-methyl-3-oxo-1-propanamine, or one of its addition salts with a pharmaceutically acceptable acid, their hydrates and crystalline forms, with perindopril, or one of its addition salts with a pharmaceutically acceptable base, their hydrates or crystalline forms, for use in the treatment of heart failure with preserved systolic function.

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

(21) Application No.4245/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COATING COMPOSITIONS WITH ANTICORROSION PROPERTIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C09D5/00 :12/906005 :15/10/2010 :U.S.A. :PCT/US2011/056459 :14/10/2011 :WO 2012/051589 :NA :NA	(71)Name of Applicant:  1)BUNGE AMORPHIC SOLUTIONS LLC Address of Applicant:50 Main Street 7th Floor White Plains NY 10606 U.S.A. (72)Name of Inventor: 1)FOSCANTE Raymond E.
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Anticorrosive coating compositions comprise a binding polymer and an amorphous aluminum phosphate corrosion inhibiting pigment dispersed therein. The coating composition comprises 1 to 25 percent by weight aluminum phosphate. The binding polymer can include solvent borne polymers water borne polymers solventless polymers and combinations thereof. The aluminum phosphate is made by combining an aluminum source with a phosphorous source to form an amorphous aluminum phosphate solid condensate. The coating composition is specially engineered to provide a controlled delivery of phosphate anions of 50 to 500 ppm and has a total solubles content of less than 1500 ppm. The amorphous aluminum phosphate is preferably free of alkali metals and alkaline earth metals. The amorphous aluminum phosphate has an oil absorption of less than 50 and a surface area of less than about 20 m2/g The coating composition has a water adsorption potential of up to 25% by weight water.

No. of Pages: 28 No. of Claims: 63

(21) Application No.5893/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: USE OF FENUGREEK EXTRACT TO ENHANCE FEMALE LIBIDO

(51) International classification	:A61K36/48,A61P15/00	(71)Name of Applicant:
(31) Priority Document No	:61/733668	1)GE NUTRIENTS INC.
(32) Priority Date	:05/12/2012	Address of Applicant :920 E. Orangethorpe Avenue Suite B
(33) Name of priority country	:U.S.A.	Anaheim CA 92801 U.S.A.
(86) International Application No	:PCT/US2013/073393	(72)Name of Inventor:
Filing Date	:05/12/2013	1)BHASKARAN Sunil
(87) International Publication No	:WO 2014/089344	2)VENKATESH Ramasamy Varadarajan
(61) Patent of Addition to Application	:NA	3)VEERAVALLI Jith
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention is a method of enhancing female libido by administering an effective amount of a fenugreek extract for example fenugreek seed extract to a female in need of enhanced libido. The female can be a human female.

No. of Pages: 35 No. of Claims: 20

(21) Application No.6028/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: REACTOR PROVIDED WITH A COOLER

(51) International :H01F27/16,H01F27/22,H01F37/00

classification

(31) Priority Document No :2013004394 (32) Priority Date :15/01/2013 (33) Name of priority country :Japan

(86) International Application :PCT/IB2014/000154

No .FCI/IB2014/

Filing Date :13/01/2014

(87) International Publication :WO 2014/111809

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant : 1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

(72)Name of Inventor: 1)NOBUSAKA Mao 2)ATSUMI Takashi

(57) Abstract :
A reactor provided with a

A reactor provided with a cooler comprising: a coil a core formed of a soft magnetic material the core covers an inside of the coil and an outer periphery of the coil; the cooler being arranged on both sides of the core the core and the cooler being pressed in a stacking direction of the core and the cooler; a thickness of the core in the stacking direction being smaller than a length of a surface of the core that faces the stacking direction; and the thickness of the core in the stacking direction being smaller than a length of a width of the surface of the core that faces the stacking direction.

No. of Pages: 23 No. of Claims: 9

(21) Application No.6029/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: MULTILAYER FILMS CONTAINING FUNCTIONAL ETHYLENE BASED POLYMER **COMPOSITIONS**

(51) International

:B32B27/32,B32B27/34,B32B27/36 classification

(31) Priority Document No :61/746856 (32) Priority Date :28/12/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/073858

No :09/12/2013 Filing Date

(87) International Publication: WO 2014/105404

(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 GLOBAL TECHNOLOGIES LLC

Address of Applicant: 2040 Dow Center Midland MI 48674

U.S.A.

(72) Name of Inventor: 1)KUPSCH Eva Marie

2) GIUNTIN DE OLIVEIRA Marlos 3)ONER DELIORNAMLI Didem

4)BATRA Ashish

## (57) Abstract:

The present disclosure is directed to a multilayer film. The multilayer film includes at least three layers a first layer a second layer and a third layer. The first layer is formed from a first composition. The first composition includes a polar polymer selected from a polyester a polylactic acid and combinations thereof. The second layer is formed from a second composition. The second composition includes at least the following: A) a functionalized ethylene based polymer; and B) at least one olefin block copolymer. The third layer is formed from a third composition. The third layer includes an olefin based polymer a functionalized olefin based polymer or the salts thereof a polyester a polyamide a polylactic acid an ethylene vinyl alcohol and combinations thereof.

No. of Pages: 34 No. of Claims: 15

(21) Application No.6032/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ETHYLENE BASED POLYMERS AND PROCESSES TO MAKE THE SAME

(51) International :C09D173/00,C08L73/00,C09D123/08 classification (31) Priority Document No :61/746723

(32) Priority Date :28/12/2012 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/076423 Application No

:19/12/2013 Filing Date

(87) International :WO 2014/105608 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)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

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(72) Name of Inventor: 1)KARJALA Teresa P. 2) COOPER James L. 3)ORTEGA Jose 4)KARDOS Lori L.

## (57) Abstract:

Filing Date

The invention provides a composition comprising an ethylene based polymer formed from a high pressure free radical polymerization and wherein the ethylene based polymer has the following properties: a) a CO content from greater than 0 to less than 10 weight percent CO (carbon monoxide) based on the weight of the polymer; and b) a melt index (I2) from 3 to 30 g/10 min.

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

(21) Application No.6033/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015

:13157270.3

:28/02/2013

:27/02/2014

:PCT/EP2014/053854

:WO 2014/131843

:EPO

:NA

:NA

:NA

(43) Publication Date: 29/04/2016

# (54) Title of the invention: PLANT GROWTH REGULATING COMPOUNDS

(51) International

:C07D401/14,C07D401/04,C07D401/12

classification

(31) Priority Document

(31) Priority Docume

(32) Priority Date

(33) Name of priority

country (86) Inte

(86) International

Application No Filing Date

(87) International

Publication No

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date

(62) Divisional to Application Number Filing Date

(57) Abstract :

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor:

1)LACHIA Mathilde Denise 2)DE MESMAEKER Alain 3)SCREPANTI Claudio 4)WOLF Hanno Christian

5)JUNG Pierre Joseph Marcel

The present invention relates to novel strigolactam derivatives to processes and intermediates for preparing them to plant growth regulator compositions comprising them and to methods of using them for controlling the growth of plants and/or promoting the germination of seeds.

No. of Pages: 56 No. of Claims: 16

FLEXIBLE COMPONENT MATERIALS

(21) Application No.6034/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: FACILITATING THE ASSEMBLY OF GOODS BY TEMPORARILY ALTERING ATTRIBUTES OF

<ul> <li>(51) International 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>	:D03J1/06,D03D1/00,D03D25/00 :61/736796 :13/12/2012 :U.S.A. :PCT/US2013/075085 :13/12/2013 :WO 2014/093863	<ul> <li>(71)Name of Applicant:</li> <li>1)ZORNOW Jonathon</li> <li>Address of Applicant: 87 St. Marks Place New York New York 10009 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)ZORNOW Jonathon</li> </ul>
<ul><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention aims to improve the manufacture of flexible goods such as garments through the temporary modification of the physical properties of the components to be assembled facilitating their handling and manipulation later on in the manufacturing process. Attributes that can be affected by this process are the stiffness of the material the presence of mechanical or physical markings the density of the material the air or fluid permeability of the material the responsiveness of the material to magnetic fields or the adhesive nature of the material.

No. of Pages: 61 No. of Claims: 42

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: METHOD FOR PRODUCING MOTOR VEHICLE LOCKS WITH AN OBLIQUE MAIN LATCH **CONTOUR**

(51) International classification :E05B85/26,E05B77/40 (71)Name of Applicant : (31) Priority Document No :10 2012 024 209.3 (32) Priority Date :11/12/2012 (33) Name of priority country :Germany (86) International Application No :PCT/DE2013/000770

Filing Date :11/12/2013

(87) International Publication No :WO 2014/090215

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)KIEKERT AKTIENGESELLSCHAFT

Address of Applicant : Hseler Platz 2 42579 Heiligenhaus

Germany

(72) Name of Inventor: 1)BENDEL Thorsten 2)POHLE Werner

3)WALDMANN Thomas

#### (57) Abstract:

In order to minimize the sliding friction occurring between the locking parts (30 31) that is between the pawl (5) and the rotary latch (2) of a motor vehicle lock (1) it is advantageous if during the machining process the different latch surfaces (12 13) of both locking parts (30 31) are provided with a punched contour (14) and with a contour (11) having a oblique machining groove (34 35). Machining grooves (34 35) are formed in particular on the latch surface (13) thereof after stamping the pawl (5). Defined shapes of oblique channels (18 19) and/or machining grooves (34 35) are produced for example by milling out the machining grooves (34 35). The oblique machining grooves (34 35) are produced at a defined angle and guarantee that the straight channels (17) on the rotary latch (2) only have a few overlapping points with the oblique grooves (34 35) if both locking parts (30 31) come into contact with each other.

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

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYNTHESES OF N HETEROCYCLIC CARBENES AND INTERMEDIATES THEREFOR

(51) International (71)Name of Applicant: :C07D233/58,C07D233/60,C07F15/00 classification 1)UNIVERSITY COURT OF THE UNIVERSITY OF ST (31) Priority Document No :1300270.4 ANDREWS (32) Priority Date :08/01/2013 Address of Applicant :College Gate North Street St Andrews (33) Name of priority KY16 9AJ U.K. :U.K. country (72) Name of Inventor: (86) International 1)NOLAN Steven P :PCT/GB2014/050021 Application No 2) MEIRIES Sebastien :06/01/2014 Filing Date (87) International :WO 2014/108671 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 method of preparing a 2 6 disubstituted anilines includes reacting a 2 amino isophtha!ic acid diester with sufficient Grignard reagent RCHMgX to form the corresponding diol product dehydrating the diol product to the corresponding dialkene; and hydrogenating the diol product to form the corresponding aniline. The 2 6 disubstituted anilines can be used to produce N Heterocyciic Carbenes (NHCs). The NHCs can find application in various fields such as organic synthesis catalysis and macromolecular chemistry. Palladium catalysts containing the NHCs are also described.

No. of Pages: 61 No. of Claims: 30

(22) Date of filing of Application :23/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : OPTIMAL DESIGN SYSTEM FOR DEVELOPMENT PLANNING OF HYDROCARBON RESOURCES

(51) International classification (31) Priority Document No	:G06G7/48 :61/421438 :09/12/2010	(71)Name of Applicant:  1)EXXONMOBIL UPSTREAM RESEARCH COMPANY  A Livery (CORP UPC SW250 R.O. R. 2180)
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A.	Address of Applicant :CORP URC SW359 P.O. Box 2189 Houston TX 2189 U.S.A. (72)Name of Inventor :
Filing Date (87) International Publication No	:08/12/2011 :WO 2012/078880	1)EL BAKRY Amr S. 2)SHUTTLEWORTH Robert R.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)TARHAN Bora 4)MIFFLIN Richard T. 5)KAMESWARAN Shivakumar
(62) Divisional to Application Number Filing Date	:NA :NA	S) THE STATE OF TH

#### (57) Abstract:

Methods and systems are provided for generating a development plan for a hydrocarbon asset. A high fidelity computer model of a hydrocarbon asset is created. A low fidelity computer model of the hydrocarbon asset is created. The low fidelity computer model is iterated on to an interim solution. A comparison is generated of the interim solution to a solution obtained from a simulation of the high fidelity computer model at the variables of the interim solution. The low fidelity computer model is calibrated based at least in part on the comparison. The development plan for the hydrocarbon asset is generated based at least in part on a result from the calibrated low fidelity computer model. The low fidelity computer model is a mixed integer nonlinear programming problem with complementarity.

No. of Pages: 55 No. of Claims: 29

(21) Application No.4704/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/05/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention: 6 AMINO 2 PHENYLAMINO 1H BENZIMIDAZOLE 5 CARBOXAMIDE DERIVATIVES AND THEIR USE AS MICROSOMAL PROSTAGLANDIN E2 SYNTHASE 1 INHIBITORS

(51) International :C07D235/30,A61K31/4184,A61P29/00

classification

(31) Priority Document :10194458.5

(32) Priority Date :10/12/2010

(33) Name of priority :EPO

country

(86) International

:PCT/EP2011/072257 Application No :09/12/2011

Filing Date

(87) International

:WO 2012/076673 **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)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Str. 173 55216 Ingelheim Am

Rhein Germany

(72) Name of Inventor:

1)PRIEPKE Henning

2)DOODS Henri

3)HEIM RIETHER Alexander

4)KUELZER Raimund

5)PFAU Roland

6) RUDOLF Klaus

7)STENKAMP Dirk

# (57) Abstract:

This invention relates to compounds of formula (I) their use as inhibitors of the microsomal prostaglandin E 2 syn- thase-1 (mPGES-1), pharmaceutical compositions containing them, and their use as medicaments for the treatment and/or prevention of inflammatory diseases and associated conditions. A, L, M, W, R1, R2, R3, R4, R6, R7, R9, R, R have meanings given in the de-scription.

No. of Pages: 225 No. of Claims: 15

(21) Application No.4707/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PREPARATIONS CONTAINING AMORPHOUS EMODEPSIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K 9/14 :11194878.2 :21/12/2011 :EPO :PCT/EP2012/075909 :18/12/2012 :WO 2013/092558 :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred Nobel Str. 10 40789 Monheim Germany (72)Name of Inventor:  1)KANIKANTI Venkata Rangarao 2)LANGE Petra 3)HAMANN Hans J ¹ /4rgen
		7

# (57) Abstract:

The invention relates to preparations containing amorphous emodepside in a polyvinylpyrrolidone matrix to pharmaceutical products containing such preparations and to the use thereof against endoparasites in animals or humans.

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

(22) Date of filing of Application :09/07/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ABSORBENT CORE EXHIBITING CONTROLLED DEFORMATION IN USE AND ABSORBENT ARTICLE COMPRISING SAID CORE

(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	:A61F13/536,A61F13/45,A61F13/47 :NA :NA :NA :PCT/SE2012/051499 :27/12/2012 :WO 2014/104952 :NA :NA	(71)Name of Applicant:  1)SCA HYGIENE PRODUCTS AB Address of Applicant: S 405 03 Gteborg Sweden (72)Name of Inventor:  1)ESPING –STLIN Hanna 2)GUIDOTTI Edward
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to an absorption body intended to form part of an absorbent disposable article comprising a first absorption layer intended to face towards the user upon use and a second absorption layer intended to face away from the user upon use wherein the first absorption layer has a longitudinal opening in the crotch area and the second absorption layer has a longitudinal compression arranged in the crotch area.

No. of Pages: 41 No. of Claims: 14

(21) Application No.6040/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROTEIN KINASE INHIBITORS

(51) International classification :C07D471/04,A61K31/437,A61P35/00

(31) Priority Document No :1262932 (32) Priority Date :28/12/2012

(33) Name of priority country :France

(86) International

(86) International :PCT/EP2013/078138

Application No
Filing Date

1. C1/E1/2013

(87) International :WO 2014/102376

Publication No
(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant: 1)ORIBASE PHARMA

Address of Applicant :1682 Rue de la Valsi re Cap Gamma Parc Euromdecine CS 17383 F 34189 Montpellier France

(72)Name of Inventor: 1)CHEVE Gwna«l

2)DAYDE CAZALS Bndicte

3)FAUVEL Bndicte 4)BORIES Cdric 5)YASRI Abdelaziz

### (57) Abstract:

The present invention relates to compounds of the following formula (I) and/or the pharmaceutically acceptable addition salts solvates enantiomers diastereoisomers thereof as well as mixtures thereof. The subject matter of the present invention thus also includes the preparation of compounds of formula (I) their uses in particular in the inhibition of protein kinases which are implicated for example in numerous diseases such as cancers or immune system disorders.

No. of Pages: 101 No. of Claims: 19

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: AZAINDOLE DERIVATIVES AS INHIBITORS OF PROTEIN KINASES

(51) International :C07D471/04,A61K31/4375,A61P35/02 classification

:61/746785

:U.S.A.

:NA

(31) Priority Document

(32) Priority Date :28/12/2012

(33) Name of priority

country

(86) International

:PCT/EP2013/078140 Application No :30/12/2013 Filing Date

(87) International

:WO 2014/102378 Publication No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA

**Application Number** Filing Date

(71)Name of Applicant: 1)ORIBASE PHARMA

Address of Applicant: 1682 Rue De La Valsiere Cap Gamma

Parc Euromedecine CS 17383 F 34189 Montpellier France

(72)Name of Inventor: 1)CHEVE Gwna«l

2)DAYDE CAZALS Bndicte

3)FAUVEL Bndicte 4)BORIES Cdric 5)YASRI Abdelaziz

### (57) Abstract:

The present invention relates to compounds of the following formula (I) and/or the pharmaceutically acceptable addition salts solvates enantiomers diastereoisomers thereof as well as mixtures thereof. The subject matter of the present invention thus also includes the preparation of compounds of formula (I) their uses in particular in the inhibition of protein kinases which are implicated for example in numerous diseases such as cancers or immune system disorders.

No. of Pages: 123 No. of Claims: 17

(21) Application No.4465/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention: NOVEL METHOD FOR THE PRE OR POST HARVEST TREATMENT OF PLANT PRODUCTS USING PHOSPHONIC ACID AND AN ESSENTIAL OIL

(51) International :A01N59/26,A01N31/16,A01N65/00 classification

:NA

(31) Priority Document No (32) Priority Date :24/11/2010

(33) Name of priority :France

country

(86) International :PCT/EP2011/070912 Application No

:24/11/2011 Filing Date

(87) International :WO 2012/069576 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

Filing Date

(71)Name of Applicant:

1)XEDA INTERNATIONAL

Address of Applicant : Zone Artisanale la Crau Route

Nationale 7 F 13670 Saint Andiol France

(72) Name of Inventor: 1)SARDO Alberto

### (57) Abstract:

The invention relates to the pre or post harvest fungicidal and/or bactericidal treatment of plant products using at least phosphonic acid that is at least partially salified and an essential oil or one of the terpene agents that it contains and/or mixtures thereof at ambient temperature as well as to the compositions adapted for said method.

No. of Pages: 18 No. of Claims: 19

(21) Application No.4768/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/06/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHODS FOR PREDICTING AGE OR DEVELOPMENTAL STAGE APPROPRIATE FOODS FOR CHILDREN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06Q 30/02 :61/570657 :14/12/2011 :U.S.A. :PCT/EP2012/075483 :14/12/2012 :WO 2013/087810 :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)SMITH SIMPSON Sarah Elizabeth 2)EMENHISER Anne McCandlish 3)FOLEY Mary Michele
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure provides methods for classifying food products and predicting appropriate ages and/or developmental stages that children should be provided with certain food products. In an embodiment the methods include mathematical models that use the measurements of key texture attributes to predict the minimum age and/or developmental stage of food products. Using the methods of the present disclosure classification of food products can be directed during early product development. Additionally the methods of the present disclosure have generated an understanding of which key texture attributes differentiate appropriate products across developmental stages.

No. of Pages: 50 No. of Claims: 21

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: GAS WIPING METHOD AND GAS WIPING 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>	:C23C 2/20 :2012211120 :25/09/2012 :Japan :PCT/JP2013/075651 :24/09/2013 :WO 2014/050790 :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)FUKUOKA Shinichi 2)SUEMUNE Yoshihiro 3)OOHASHI Tooru 4)AMANO Yoko
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A gas wiping device is provided with: a pair of wiping nozzles disposed facing each other so as to sandwich a plated steel plate in the direction of thickness of the plated steel plate and such that each sprays wiping gas along the direction of the width of the plated steel plate; gas shielding plates disposed so as to be sandwiched by the wiping nozzles in each of the positions away from both side end parts of the plated steel plate toward the outside; and side nozzles that spray gas so as to form a gas flow along the both sides of the respective gas shielding plates in the reverse direction of the direction in which the plated steel plate is pulled.

No. of Pages: 38 No. of Claims: 6

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A PROCESS FOR PRODUCING A POWDER COMPRISING AN EXTRUDED CARRIER WITH AN ACTIVE COMPOUND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01N 25/26 :61/598472 :14/02/2012 :U.S.A. :PCT/US2013/026189 :14/02/2013 :WO 2013/123229 :NA :NA	(71)Name of Applicant:  1)ALBEMARLE CORPORATION Address of Applicant: 451 Florida Street Baton Rouge LA 70801 1765 U.S.A. (72)Name of Inventor: 1)LAMBETH Gregory H.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention provides processes for forming powders comprising at least one active compound and at least one carrier. The processes comprise (i) heating at least one active compound to at least its melting point or softening point; and (ii) in an extruder combining at least the at least one active compound with at least one carrier to form combined ingredients and cooling the combined ingredients as they pass through the extruder such that the combined ingredients exit the extruder at about ambient temperature in the form of a powder having particles sized so that about 95 wt% or more of the powder passes through a screen of about 8 standard U.S. mesh.

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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : COMPOSITIONS AND METHODS OF USE OF PHORBOL ESTERS FOR THE TREATMENT OF 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/588162 :18/01/2012 :U.S.A. :PCT/US2013/022325 :18/01/2013 :WO 2014/011209 :NA :NA	(71)Name of Applicant:  1)BIOSUCCESS BIOTECH CO. LTD.  Address of Applicant: 2570 North First Street Suite 200 San Jose CA 95131 U.S.A. (72)Name of Inventor:  1)HAN Zheng Tao 2)CHEN Hung Fong
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Methods and compositions containing a phorbol ester or a derivative of a phorbol ester are provided for the treatment and prevention of stroke and the sequelae of stroke. Additional compositions and methods are provided which employ a phorbol ester or derivative compound in combination with at least one additional agent to yield more effective treatment tools to treat or prevent stroke and the long term effects of stroke in mammalian subjects.

No. of Pages: 55 No. of Claims: 20

(21) Application No.3855/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date: 29/04/2016

### (54) Title of the invention: METHODS AND APPARATUS FOR IDENTIFYING GEOGRAPHIC LOCATIONS

(51) International :G01C21/32,G09B29/00,G06F17/30 classification

(31) Priority Document No :1117901.7 (32) Priority Date :18/10/2011

(33) Name of priority country: U.K.

(86) International Application :PCT/EP2012/070703

:18/10/2012

Filing Date

(87) International Publication :WO 2013/057221

(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)STICHTING MAPCODE FOUNDATION

Address of Applicant : Herengracht 514 NL 1017 CC

Amsterdam Netherlands (72) Name of Inventor: 1) GEELEN Pieter

(57) Abstract:

Embodiments of the present invention provide a computer implemented method for assigning identifiers to geographic locations within digital map data comprising selecting a region within the map data dividing the region into a first plurality of cells each uniquely addressable by an identifier of a first length selecting a portion of the region and dividing the portion into a second plurality of cells each uniquely addressable by an identifier of a second length wherein the second length is shorter length than the first length and a geographic location within the portion of the region may be uniquely identified by an identifier of the first length and an identifier of the second length.

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

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING DEUTERIUM ENRICHED PERILLYL ALCOHOL ISO PERILLYL ALCOHOL AND DERIVATIVES THEREOF

(51) International classification	:C07C35/18	(71)Name of Applicant:
(31) Priority Document No	:61/562105	1)NEONC TECHNOLOGIES INC.
(32) Priority Date	:21/11/2011	Address of Applicant :21700 Oxnard Street Suite 900
(33) Name of priority country	:U.S.A.	Woodland Hills CA 91367 U.S.A.
(86) International Application No	:PCT/US2012/066379	(72)Name of Inventor:
Filing Date	:21/11/2012	1)CHEN Thomas
(87) International Publication No	:WO 2013/119304	2)LEVIN Daniel
(61) Patent of Addition to Application	:NA	3)PUPALLI Satish
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		·

### (57) Abstract:

The present invention provides for a deuterium enriched monoterpene or sesquiterpene such as perillyl alcohol or a deuterium enriched isomer or analog of monoterpenes or sesquiterpenes such as isoperillyl alcohol. The present invention also provides for a deuterium enriched derivative of a monoterpene or sesquiterpene such as a perillyl alcohol carbamate or a deuterium enriched derivative of an isomer or analog of a monoterpene or sesquiterpene such as an isoperillyl alcohol carbamate. The deuterium enriched derivative may be perillyl alcohol or isoperillyl alcohol conjugated with a therapeutic agent such as a chemotherapeutic agent. The present invention also provides for a method of treating a disease such as cancer comprising the step of delivering to a patient a therapeutically effective amount of a deuterium enriched compound.

No. of Pages: 52 No. of Claims: 27

(21) Application No.4466/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROCESSES FOR THE PREPARATION OF ENAMINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01N43/42 :61/419300 :03/12/2010 :U.S.A. :PCT/US2011/061983 :23/11/2011 :WO 2012/074860 :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant: 9330 Zionsville Road Indianapolis IN  46268 U.S.A. (72)Name of Inventor:  1)BLAND Douglas C.  2)TOYZAN Todd William
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention disclosed in this document is related to the field of processes for the preparation of enamines wherein R1, R2, R3, R4, R5, and further information are disclosed herein.

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

(21) Application No.4469/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TOOTHBRUSH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A46B5/02 :61/416119 :22/11/2010 :U.S.A. :PCT/US2011/061641 :21/11/2011 :WO 2012/071322 :NA :NA	(71)Name of Applicant:  1)BRAUN GMBH  Address of Applicant: Frankfurter Strasse 145 61476  Kronberg/Taunus Germany (72)Name of Inventor:  1)MOHR Juergen  2)VITT Martin  3)MAROTTI Martin Jay 4)MONROE Daniel Jay 5)STOERKEL Jens
Number		4)MONROE Daniel Jay
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An oral care implement is described herein. The oral care implement includes a base and a first grip member. The base has a gripping region and an oral engaging region. The base has an aperture extending therethrough. The first grip member at least partially overlays the gripping region of the base and has a plurality of gripping elements. The first grip member also has a at least one opening exposing a guidance element. The guidance element includes a protrusion and a ring surrounding the protrusion.

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

(22) Date of filing of Application :06/03/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SURGICAL INSTRUMENT AND METHOD OF 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>	:A61F :13/833,433 :15/03/2013 :U.S.A. :NA :NA	'
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)TERRI L. BONG
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A surgical instrument for use in an orthopaedic arthroplasty procedure includes a shaft having a first end and a second end and an impactor head disposed at the second end of the shaft. The impactor head includes first and second spaced ends, two spaced impaction surfaces disposed at the second end, and a cavity disposed between the impaction surfaces. The cavity is adapted to accommodate posterior-stabilizing spines of at least a first tibial implant component and a second tibial implant component having a size different than a size of the first tibial implant component. Each of the impaction surfaces includes a first section with a contour that conforms to a contour of a bearing surface of the first tibial implant component and a second section with a contour that conforms to a bearing surface of the second tibial implant component.

No. of Pages: 48 No. of Claims: 12

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR MANUFACTURING FOAM PARTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29C 44/12 :61/586578 :13/01/2012 :U.S.A. :PCT/US2013/020771 :09/01/2013 :WO 2013/106391 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 East 32nd Street Holland Michigan 49423 U.S.A. (72)Name of Inventor: 1)MCEVOY James Thomas
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

This disclosure relates generally to molded cellular foam parts and more specifically to methods of manufacturing cellular polyurethane foam parts. In an embodiment a polymer production system includes an energy source (21) configured to provide activation energy (19) to a foam formulation (28) to produce a foam part (12). The system further includes a polymeric mold (14) configured to contain the foam formulation within a mold cavity during the manufacture of the foam part. Furthermore the mold is configured to not substantially interact with the activation energy that traverses the mold during the manufacture of the foam part. The system also includes a semi permanent surface coating (52) disposed on a surface of the mold cavity that is configured to facilitate release of the foam part from the mold cavity.

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

(21) Application No.6019/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A METHOD FOR DAMPING DRIVE TRAIN OSCILLATIONS IN A 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 N</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to Appl Number</li> <li>Filing Date</li> <li>(62) Divisional to Application N</li> <li>Filing Date</li> </ul>	:PA 2012 70046 :27/01/2012 :Denmark No :PCT/DK2013/050021 :25/01/2013 :WO 2013/110279 ication :NA :NA	(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 Jorge Martinez
(62) Divisional to Application I Filing Date	Number :NA :NA	

#### (57) Abstract:

The present invention relates a wind turbine generator with an electrical generator a dump load unit for dissipating power a wind turbine power controller and a damping controller both arranged to control wind turbine components based on a damping reference signal the damping reference signal is a combined signal and comprises a first reference signal and a second reference signal the second reference signal is an oscillating part the wind turbine power controller is controlling the power from the electrical generator according to the first reference signal and the damping controller is controlling the dump load unit to dissipate power according to the second reference signal. The invention also relates to a method for damping oscillations with wind turbine generators.

No. of Pages: 38 No. of Claims: 17

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CAST PIECE REDUCTION DEVICE

		(71)Name of Applicant :
(51) International classification	:B22D 11/128	1)NIPPON STEEL & SUMITOMO METAL
(31) Priority Document No	:2012004101	CORPORATION
(32) Priority Date	:12/01/2012	Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008071 Japan
(86) International Application No	:PCT/JP2013/050592	2)NIPPON STEEL & SUMIKIN ENGINEERING CO. LTD.
Filing Date	:15/01/2013	3)NS PLANT DESIGNING CORPORATION
(87) International Publication No	:WO 2013/105670	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)IMAI Shuntaro
Number	:NA	2)MARUKI Yasuo
Filing Date	.IVA	3)YAMASAKI Norimasa
(62) Divisional to Application Number	:NA	4)MATSUOKA Yukihiro
Filing Date	:NA	5)SENOO Satoshi
		6)HAYAMA Masanobu

# (57) Abstract:

The present invention is a cast piece reduction device that can reliably minimize center segregation and porosity by reducing a cast piece that has been withdrawn from a mold at a sufficient reducing force can suppress occurrences of internal cracks and can manufacture a high quality cast piece. The cast piece reduction device has: pairs of cast piece pressing rolls that sandwich and press the cast piece; backup rolls that support these cast piece pressing rolls; and a pair of frames that are disposed so as to face each other. Three or more sets of cast piece pressing rolls and backup rolls are provided in the cast piece withdrawal direction on each of the frames and pressing means that bring the distance between the frames closer and further apart are provided in two or more locations on the pair of frames.

No. of Pages: 59 No. of Claims: 6

(21) Application No.6311/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/07/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention: INSULATION COATING COMPOSITION FOR NON AROMATIC ELECTRICAL SHEET METHOD FOR MANUFACTURING SAME AND NON AROMATIC ELECTRICAL SHEET TO WHICH INSULATION COATING COMPOSITION IS APPLIED

<ul><li>(51) International classification</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>	:H01B 3/00 :1020110145306 :28/12/2011 :Republic of Korea	(71)Name of Applicant: 1)POSCO Address of Applicant: 1 Goedong dong Nam gu Pohang si Gyeongsangbuk do 790 300 Republic of Korea (72)Name of Inventor:
Filing Date (87) International Publication No	:15/11/2012 :WO 2013/100354	1)KIM Jung Woo 2)KWON Min Serk
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)CHOI Heon Jo
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed is an insulation coating composition for a non aromatic electrical sheet. The insulation coating composition for the non aromatic electrical sheet according to the present invention comprises: a mixed metal phosphate comprising aluminum phosphate (Al(HPO)) and cobalt phosphate (Co(HPO)); an epoxy resin; and an organic inorganic composite comprising silica (SiO) nanoparticles which substitutes a functional group of the epoxy resin.

No. of Pages: 44 No. of Claims: 27

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A SYSTEM A METHOD AND A COMPUTER PROGRAM PRODUCT FOR CONTROLLING ELECTRIC 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:H02M 3/158 :217263 :29/12/2011 :Israel :PCT/IL2012/050513 :06/12/2012 :WO 2013/098814 :NA :NA	(71)Name of Applicant:  1)ELTA SYSTEMS LTD.  Address of Applicant:100 Yitzchak Hanassi Blvd. P.O.B. 330 77102 Ashdod Israel (72)Name of Inventor:  1)BATIKOFF Enrique 2)ZELIG Robert
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2013/098814	
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for controlling electric power supply the method comprising: (a) controllably down converting by a step down power converter entry voltage from a power source and preventing up conversion by a step up power converter substantially when the entry voltage is larger than a measured exit voltage and is in compliance with a first criterion that is based on the entry voltage and on the measured exit voltage; wherein the measured exit voltage is measured at an exit of both step up power converter and the step down power converter; and (b) controllably up converting by the step up power converter the entry voltage and preventing down conversion by the step down power converter substantially when the entry voltage is lower than the measured exit voltage and is in compliance with a second criterion that is based on the entry voltage and on the measured exit voltage.

No. of Pages: 66 No. of Claims: 31

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

### (54) Title of the invention: RE-PLANNING JOB ASSISTANCE APPARATUS AND METHOD

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)HITACHI, LTD.
(31) Thority Document ivo	182982	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:22/08/2012	CHIYODA-KU, TOKYO 100-8280, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TANAKA YOSHIYASU
Filing Date	:NA	2)SATO TATSUHIRO
(87) International Publication No	: NA	3)MURAKAMI DAICHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An re-planning job assistance apparatus and a method thereof are provided, for displaying a train in such a manner that a quick determination can be made if it arrives at a terminal station or not, within a predetermined delay time, thereby increasing a number of trains, which can arrive at the terminal station within the predetermined delay time mentioned above, wherein a changing is made manually on a plan timetable, which is determined in advance, and accompanying this change, an operation of each train is estimated so that it satisfies a restriction equation given, and an allowable delay time estimation timetable is produced, and further changes are made on a station (a node), at which an order of overtaking of the trains themselves or overtaking is conducted, to change the timetable of each train, and thereby reducing a number of trans exceeding the allowable delay, and the a timetable of each train obtained as a result thereof is displayed to a user.

No. of Pages: 57 No. of Claims: 14

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONSTRUCTION MACHINE WITH OFFSET HOPPER REAR WALLS

(51) International classification	:B61D	(71)Name of Applicant:
(31) Priority Document No	:20 2014	1)Joseph Vgele AG
(31) I Hority Document No	007 084.9	Address of Applicant :Joseph-Vgele-Str. 1, 67067
(32) Priority Date	:29/08/2014	Ludwigshafen/Rhein, Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)Bernhard ERDTMANN
Filing Date	:NA	2)Stefan WEBER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Construction machine with offset hopper rear walls The invention relates to a construction machine (1) with a material hopper (2) for receiving bulk material. The material hopper (2) comprises a first sub-hopper (3) that is pivotable about a first axis (10) and a second sub-hopper (4) that is pivotable about a second axis (11), wherein the first and the second axis (10, 11) extend parallel to each other. The first and the second sub-hoppers (3, 4) each comprise a rear wall (6, 8), The construction machine according to the invention is characterized in that the rear walls (6, 8) are shifted with respect to each other in a direction parallel to the axes (10, 11), whereby a collision of the rear walls (6, 8) is prevented when pivoting the first and / or the second sub-hopper (3, 4).

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

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A PHYTOCEUTICAL PRODUCT FOR SKIN CARE AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A61K 36/00	(71)Name of Applicant: 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant : AMITY UNIVERSITY CAMPUS,
(32) Priority Date	:NA	SECTOR-125, NOIDA-201303, UP, INDIA Uttar Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DHAN PRAKASH
Filing Date	:NA	2)CHARU GUPTA
(87) International Publication 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 r.elates to an herbal skin care formulation. The herbal skin care formulation comprises extracts obtained by process from immature fruits of .Protium serratufn (Indian Red Pear), immature fruits of Trewia nudiflora (Pitali, Gutel), immature fruits of Parkia roxburghii (kharial), aerial parts of Caesalpinia bonducella (Putikaranja) and aerial parts of Myxopyrum smilacifolia (Chaturamulla). The herbal composition is effective in the treatment of acne, boils and sunburn and a process for the preparation of the same .The herbal health care product revitalizes, nourishes, moisturize and improves the texture of the skin.

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

(22) Date of filing of Application :08/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : AN IMPROVED PROCESS FOR MANUFACTURING STERILE OPHTHALMIC PHARMACEUTICAL SUSPENSIONS

<ul> <li>(51) International classification</li> <li>(31) 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>	:A61K :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SENTISS PHARMA PRIVATE LIMITED  Address of Applicant: Sentiss Research Centre, 212, Ashirwad Commercial Complex, D-1, Green Park, New Delhi 110016.  Delhi India (72)Name of Inventor:
(87) International Publication No	: NA	1)MANDAR V. SHAH
<ul><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	2)DEEPAK BAHRI

#### (57) Abstract:

The present invention provides a process of manufacturing a sterile, ophthalmic pharmaceutical suspension comprising sterile active ingredient(s) such as sterile carbonic anhydrase inhibitors (CAIs) wherein the process does not involve the use of any special equipmentTMs such as ball mill, milling bottle and/or jet mill. The present process is simple, cost effective and efficient.

No. of Pages: 32 No. of Claims: 18

(21) Application No.6355/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: HANGING BAG

(51) International classification	:B65D 83/08	(71)Name of Applicant:
(31) Priority Document No	:13/365981	1)SCA HYGIENE PRODUCTS AB
(32) Priority Date	:03/02/2012	Address of Applicant :S 405 03 Gteborg Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/SE2013/050068	1)CARLSON Paul
Filing Date	:30/01/2013	2)WEGNER Myles
(87) International Publication No	:WO 2013/115713	3)GUCINSKI Steve
(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 packaged product including a substantially enclosed container for a paper material said container including a first end a second end with a width and a length a sidewall forming an interior surface defining the container a first opening into the container adapted to dispense the paper material a hanging member and an insert with an insert base portion two insert side portions and an insert opening along a width of the insert wherein the insert base portion extends along the width of the second end the insert side portions extend at least partially up the sidewall and the insert opening extends along at least substantially the entire width of the second end. A method for dispensing a paper material the method including providing a packaged product opening the packaged product to form a first opening into the container adapted to dispense the paper material and dispensing the paper material from the container.

No. of Pages: 28 No. of Claims: 22

(21) Application No.6030/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: WATERBORNE ADHESIVES

(51) International :C09J123/08,B01F3/00,C09J133/08

classification (31) Priority Document No :61/746743 (32) Priority Date :28/12/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/073241

No :05/12/2013

Filing Date .03/12/2013

(87) International Publication :WO 2014/105380

(61) Patent of Addition to
Application Number

:NA

Application Number :NA Filing Date

(62) Divisional to Application :NA
Number :NA
Filing Date

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1)ROHM AND HAAS COMPANY

Address of Applicant :100 Indepence Mall West Philadelphia

PA 19106 U.S.A.

2)DOW GLOBAL TECHNOLOGIES LLC

(72)Name of Inventor:

1)CHEN Mai

2)MYTNIK Jeffrey A. 3)YOUNG Timothy J.

4)CHURCHFIELD Mechelle Ann

#### (57) Abstract:

Provided is an adhesive composition comprising a continuous aqueous medium and further comprising (i) particles of a polymer dispersed in said aqueous medium; and (ii) particles comprising fatty amide and one or more fatty acid wherein 50 mole% or more of said fatty acid is in the carboxylate form and wherein the weight ratio of said fatty amide to said fatty acid is from 0.12:1 to 2.3:1 wherein said particles comprising fatty amide and one or more fatty acid are dispersed in said aqueous medium. Also provided is a method of bonding substrates using such an adhesive composition and a bonded structure made by such a method.

No. of Pages: 18 No. of Claims: 6

(21) Application No.6031/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: AQUEOUS DISPERSION OF FATTY AMIDE

(51) International

:C07C233/09,C07C57/03,C08J3/03

classification

(31) Priority Document No :61/746741

(32) Priority Date

:28/12/2012 (33) Name of priority country: U.S.A.

(86) International Application

Filing Date

:PCT/US2013/073240

:05/12/2013

(87) International Publication :WO 2014/105379

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA 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.

2)DOW GLOBAL TECHNOLOGIES LLC

(72)Name of Inventor:

1) CHURCHFIELD Mechelle Ann

2)YOUNG Timothy J.

3)CHEN Mai

4)TOMCZAK Thomas L.

#### (57) Abstract:

A composition is provided comprising dispersed particles in an aqueous medium wherein said dispersed particles comprise fatty amide and one or more fatty acid wherein 50 mole% or more of said fatty acid in is the carboxylate form and wherein the weight ratio of said fatty amide to said fatty acid is from 0.12:1 to 2.3:1. Also provided is method of making that composition comprising the step of applying shear to a mixture that comprises said fatty amide said fatty acid and water wherein said applying shear is performed at a temperature above 59°C and wherein the amount of water in said mixture is 70% or less by weight based on the weight of said mixture.

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

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

:NA

:7581/DELNP/2006

:14/12/2006

# (54) Title of the invention : METHODS AND DEVICES FOR FABRICATING AND ASSEMBLING PRINTABLE SEMICONDUCTOR ELEMENTS

(51) International classification :H01L 21/00 (31) Priority Document No :60/577,077 (32) Priority Date :04/06/2004 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2005/019354 Filing Date :02/06/2005 (87) International Publication No : NA (61) Patent of Addition to Application :NA Number

(62) Divisional to Application Number

Filed on

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2)ROGERS, John, A. 3)MENARD, Etienne 4)LEE, Keon Jae

5)KHANG, Dahl-Young

6)SUN, Yugang 7)MEITL, Matthew 8)ZHU, Zhengtao

#### (57) Abstract:

Filing Date

ABSTRACT The invention provides methods and devices for fabricating printable semiconductor elements and assembling printable semiconductor elements onto substrate surfaces. Methods, devices and device components of the present invention are capable of generating a wide range of flexible electronic and optoelectronic devices and arrays of devices on substrates comprising polymeric materials. The present invention also provides stretchable semiconductor structures and stretchable electronic devices capable of good performance in stretched configurations.

No. of Pages: 189 No. of Claims: 45

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONSTRUCTION KIT ELEMENT (ALTERNATIVES) AND CONSTRUCTION KIT

Filing Date :22/05/2013 (87) International Publication No :WO 2014/062082 (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number Filing Date :NA :NA	<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/05/2013 :WO 2014/062082 :NA :NA :NA	(71)Name of Applicant:  1)SOKOLOV Dmitriy Andreyevich    Address of Applicant :ul. Stroiteley 5 korp. 1 kv. 62 Moscow 119311 Russia (72)Name of Inventor:  1)SOKOLOV Dmitriy Andreyevich
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#### (57) Abstract:

The invention relates to construction kit elements which can be used both in children's building sets and in puzzles. The construction kit element comprises at least two connecting units each of which is in the form of a three dimensional body with faces at least part of which faces lies in cube face planes the rib length of which cube is equal to a. Furthermore projections are formed on at least one of the above mentioned faces said projections having a height relative to the faces of not more than a/2 and comprising four sections arranged singly in the face planes adjacent to the cube face on which the projections are formed and the distance between the centres of adjacent cubes lying on an axis perpendicular to the cube faces is equal to 2a enabling contact of the projection sections with projection sections of the construction kit elements which can be attached. Each connecting unit face lying in the cube face plane lies either in the plane of one of the cube faces of another connecting unit or in a plane parallel to the plane of one of the cube faces of another connecting unit. The technical result consists in increasing the number of connection alternatives of construction kit elements of the same type.

No. of Pages: 36 No. of Claims: 3

(21) Application No.5622/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROCESS FOR THE PRODUCTION OF 2- ALKYL -3 -BUTYN- 2- OLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C29/42 :13152337.5 :23/01/2013 :EPO :PCT/EP2014/051316 :23/01/2014 :WO 2014/114710 :NA :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B. V.  Address of Applicant: Patent Department, Het Overloon 1, NL  -6411 The Heerlen Netherlands (72)Name of Inventor:  1)TSCHUMI, Johannes
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### (57) Abstract:

The present invention relates to an improved process for the production of 2 -alkyl -3- butin- 2- ols; especially to a new purification step.

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

(21) Application No.6360/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SMOKING ARTICLE WITH FRONT PLUG 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>	:28/12/2012 :WO 2013/098410	<ul><li>(72)Name of Inventor:</li><li>1)ZUBER Grard</li><li>2)BADERTSCHER Thomas</li></ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li><li>(87) International Publication No</li></ul>	:EPO :PCT/EP2012/077092 :28/12/2012	Switzerland (72)Name of Inventor: 1)ZUBER Grard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A smoking article (1 100 200 300) comprises a plurality of elements including a front plug (2 102 202 302) and an aerosol forming substrate (7) assembled in contact with a cigarette paper (5) to form a rod (15). The front plug (2 102 202 302) is located upstream from the aerosol forming substrate (7). In use a heating element (8) is inserted into the smoking article (1 100 200 300) and the aerosol forming substrate (7) is heated to generate an aerosol. When the heating element (8) is subsequently withdrawn from the smoking article (1 100 200 300) the front plug (2 102 202 302) acts to retain the aerosol forming substrate (7) within the rod (15).

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

(21) Application No.6361/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ARRESTIN EFFECTORS AND COMPOSITIONS AND METHODS OF 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>	:30/01/2013 :WO 2013/116312 :NA :NA	(71)Name of Applicant:  1)TREVENA INC.  Address of Applicant:1018 West 8th Avenue Suite A King of Prussia Pennsylvania 19406 U.S.A. (72)Name of Inventor:  1)YAMASHITA Dennis 2)CHEN Xiao Tao
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This application describes compounds acting as for example arrestin effectors and uses thereof in for example the treatment of chronic and acute cardiovascular diseases.

No. of Pages: 91 No. of Claims: 70

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: HERBICIDALLY EFFECTIVE SULFINYL AMINOBENZAMIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C0/D 249/14 :12156307.6 :21/02/2012 :FPO	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred Nobel Str. 10 40789 Monheim Germany (72)Name of Inventor: 1)AHRENS Hartmut 2)BRAUN Ralf 3)K-HN Arnim 4)LEHR Stefan 5)DIETRICH Hansjrg 6)SCHMUTZLER Dirk 7)GATZWEILER Elmar 8)ROSINGER Christopher Hugh
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## (57) Abstract:

The invention relates to sulfinyl aminobenzamides of general formula (I) acting as herbicides. In formula (I) R R R X W and Z represent groups such as hydrogen organic groups such as alkyl and other groups such as halogen. Q represents a tetrazolyl triazolyl or oxadiazolyl group.

No. of Pages: 87 No. of Claims: 13

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AUTOSTEREOSCOPIC DISPLAY AND METHOD OF DISPLAYING A 3D 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</li> </ul>	:H04N 13/04 :10 2012 001 902.5 :26/01/2012 :Germany :PCT/EP2013/051487 :25/01/2013 :WO 2013/110779 :NA :NA	(71)Name of Applicant:  1)FRAUNHOFER GESELLSCHAFT ZUR F-RDERUNG DER ANGEWANDTEN FORSCHUNG E.V.  Address of Applicant: Hansastrae 27c 80636 M ¹ / ₄ nchen Germany (72)Name of Inventor:  1)DE LA BARR‰ Ren 2)JURK Silvio
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an autostereoscopic display for simultaneously displaying more than two different images comprising a pixel matrix (11) having a multitude of pixels (15) distributed over different subgroups; an optical element (12) which is arranged in front of or behind the pixel matrix (11) which has a grid like structure and imposes a respective defined propagation direction on light emanating or transmitted from the pixels (15) so that a plurality of viewing zones (16) laterally offset relative to one another is defined so that each of the viewing zones (16) is associated with exactly one of the subsets and so that the light emanating or transmitted from each of the subgroups of pixels (15) is directed into the viewing zone (16) associated with this subset; and a control unit (13) for controlling the pixel matrix (11) in dependence on image data (14) defining a 3D image. In this respect the control unit (13) is configured to carry out the respective following steps for controlling the pixel matrix (11) for an autostereoscopic viewing of the 3D image from a viewing distance (D) differing from the nominal spacing (Dn) in front of the display for each of a plurality of strips of pixels (15): determining a value of a location coordinate (x); determining intensity values which are defined by the image data (14) for an image strip corresponding to this strip of a view of the 3D image which corresponds to a direction of gaze from a position defined by the named value; and controlling the pixels (15) of this strip using the intensity values determined in this manner.

No. of Pages: 37 No. of Claims: 20

(21) Application No.5391/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: CELL PENETRATING PEPTIDES

(51) International classification	:A61K 38/17	(71)Name of Applicant:
(31) Priority Document No	:11306784.7	1)UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6)
(32) Priority Date	:27/12/2011	Address of Applicant :4 Place Jussieu F 75005 Paris France
(33) Name of priority country	:EPO	2)INSTITUT CURIE
(86) International Application No	:PCT/EP2012/076968	(72)Name of Inventor:
Filing Date	:27/12/2012	1)REBOLLO GARCIA Angelita
(87) International Publication No	:WO 2013/098337	2)NEMATI Fariba
(61) Patent of Addition to Application	:NA	3)DECAUDIN Didier
Number	:NA	4)BRAVO SICILIA Jeronimo
Filing Date	.1171	5)FOMINAYA GUTIERREZ Jesus Maria
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a cell penetrating peptide optionally linked to a pro apoptotic peptide useful as pro apoptotic agents for inhibition of cell proliferation and for treatment of tumors.

No. of Pages: 28 No. of Claims: 18

(21) Application No.5534/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention : INORGANIC FIBROUS PAPER AND METHOD AND EQUIPMENT FOR MANUFACTURING SAME

(51) International classification: D21H13/38,C03C13/00,D01F9/08 (71) Name of Applicant: (31) Priority Document No 1)NICHIAS CORPORATION :2011074260 (32) Priority Date :30/03/2011 Address of Applicant: 1 26 Shibadaimon 1 chome Minato ku (33) Name of priority country Tokyo 1058555 Japan :Japan (86) International Application (72) Name of Inventor: :PCT/JP2012/001940 1) ISHIHARA Tetsuya :21/03/2012 Filing Date 2)MIHARA Tetsuya (87) International Publication 3)YONAIYAMA Ken :WO 2012/132327 4)KISHIKI Tomohiko (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

The present invention pertains to sealing materials or cushioning materials comprising inorganic fibrous paper containing biosoluble inorganic fibers and a binder that have been treated with heat at 400 to 1300°C and having a composition specified by the biosoluble inorganic fibers.

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

⁽⁵⁷⁾ Abstract:

(21) Application No.6256/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DRIVE 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>	:B60L 15/20 :NA :NA :NA :PCT/JP2012/052048 :30/01/2012 :WO 2013/114550 :NA :NA :NA	(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)ONO Tomohito 2)IWASE Yuji 3)SUZUKI Yosuke 4)HATA Kensei
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#### (57) Abstract:

The present invention is provided with a first motor (MG1) a second motor (MG2) and differential mechanism (10) comprising a first rotating component (11) to which the first motor is connected a second rotating component (13) to which the second motor is connected and a third rotating component (14) to which driving wheels are connected. The first rotating component and the second rotating component are on mutually different sides of the third rotating component in an alignment view of the differential mechanism and one of the motors of the first motor and the second motor has a region that cannot be selected as a target controlled variable the region being established in a range of the controlled variable that can be outputted.

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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DRUG ELUTING INSERT FOR IMPLANTABLE BODY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:14/02/2013 :WO 2013/123136	(71)Name of Applicant: 1)SYNTHES GMBH Address of Applicant: Eimattstrasse 3 CH 4436 Oberdorf Switzerland (72)Name of Inventor: 1)ARMBRUSTER David 2)ADLON Katlin 3)CHOMYN Jeffrey
(87) International Publication No		2)ADLON Katlin

#### (57) Abstract:

The present application discloses embodiments related to an implant and a method of forming an implant configured to treat a fractured bone. The implant (10) can include a body (20) having a proximal end a distal end and an outer surface (28) extending from the proximal end to the distal end wherein the body defines a central axis extending from the proximal end to the distal end; and a high tensile strand (60) positioned adjacent the body such that at least a portion of the strand extends at least partially along the outer surface of the body in a direction substantially parallel with the central axis and wherein the strand is loaded with an active agent.

No. of Pages: 45 No. of Claims: 54

(21) Application No.6259/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MODULATION OF PLANT BIOLOGY

(51) International classification	:A01G 7/06	(71)Name of Applicant:
(31) Priority Document No	:61/585848	1)FBSCIENCES HOLDINGS INC.
(32) Priority Date	:12/01/2012	Address of Applicant :153 N. Main Street Suite 100
(33) Name of priority country	:U.S.A.	Collierville Tennessee 38017 U.S.A.
(86) International Application No	:PCT/US2013/021254	(72)Name of Inventor:
Filing Date	:11/01/2013	1)HANSON Terry J.
(87) International Publication No	:WO 2013/106724	2)DAY Kenneth Scott
(61) Patent of Addition to Application	:NA	3)STROMBERG Johan Peter
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of effecting at least one biological process in a plant is disclosed. The method comprises contacting a part of a seed a plant or the locus thereof with a mixture comprising an agriculturally acceptable mixture of (i) complex polymeric polyhydroxy acids and (ii) a phytotoxic amount of one or more alkali (earth) salts and/or a synergistic amount of at least one source of an agriculturally acceptable transition metal ions.

No. of Pages: 76 No. of Claims: 25

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: POSITION ADJUSTMENT ASSEMBLY FOR VEHICLE SEATING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 2/08 :61/595498 :06/02/2012 :U.S.A. :PCT/US2013/023540 :29/01/2013 :WO 2013/119411 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 East 32nd Street Holland MI 49423 U.S.A. (72)Name of Inventor: 1)BALIN Alexander I.
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#### (57) Abstract:

A vehicle seating system includes a latch (32) having multiple teeth (40) configured to engage respective windows within a rail to selectively block movement of a vehicle seat relative to the rail. The latch includes a first tooth (50) and a second tooth (58) longitudinally separated from one another. The first tooth includes an inner surface configured to contact a longitudinal end of a first window while the first tooth is engaged with the first window to block movement of the latch relative to the rail along a first longitudinal direction and the second tooth includes an inner surface configured to contact a longitudinal end of a second window while the second tooth is engaged with the second window to block movement of the latch relative to the rail along a second longitudinal direction opposite the first longitudinal direction.

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

(21) Application No.6270/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: OBJECT RECOGNITION DEVICE AND VEHICLE 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> <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>	:G08G 1/16 :NA :NA :NA :PCT/JP2012/051704 :26/01/2012 :WO 2013/111310 :NA :NA	(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)ICHIDA Hiroyasu
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An object recognition device is provided with: a sensor (2) that detects a lead vehicle (V) and a static object (O) on a road; a first path computation section (11) that on the basis of the history of the detected position of the lead vehicle (V) computes a relative movement path (Tv) of the lead vehicle (V) said movement path (Tv) being relative to a host vehicle (1); a second path computation section (12) that on the basis of the history of the detected position of the static object (O) computes a relative movement path (To) of the static object (O) said movement path (To) being relative to the host vehicle (1); and an object recognition section (14) that if the movement paths (Tv To) intersect each other recognizes the static object (O) as an object that will not impede travel.

No. of Pages: 34 No. of Claims: 6

(21) Application No.6271/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: VEHICLE 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> <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>	:25/01/2012 :WO 2013/111288 :NA :NA :NA	(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)NANAMI Takeshi
Filing Date	:NA	

#### (57) Abstract:

In a device provided with a collision prevention section that performs a collision prevention operation that prevents a collision between a vehicle and an object in the periphery of the vehicle said device reducing the action of the collision prevention section if a vehicle turning behavior is detected: this vehicle control device is provided with a control section that controls the action of the collision prevention section such that the action of the collision prevention section is not reduced if the vehicle reduces speed. Said vehicle control device (1) relaxes the action reduction of the collision prevention section if vehicle speed reduction is accompanied by instability and a yaw rate is generated. The aforementioned operation: avoids unneeded action reduction of the collision prevention device said unneeded action reduction being generated by instability when the vehicle reduces speed; and deters the generation of a condition of action reduction when not needed.

No. of Pages: 20 No. of Claims: 4

(21) Application No.6413/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : PRODUCT AND METHOD FOR MAKING UNIFORM SPHERICAL ACRYLIC POLYMERIC 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 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>	:27/03/2013 :WO 2013/148746 :NA :NA	(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)FINCH John David 2)KIRK Thomas Cleveland
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a method for making uniform spherical acrylic polymeric beads by jetting the beads produced and ion exchange resins produced from functionalizing the uniform spherical polymeric beads.

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

(21) Application No.6416/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: WARNING 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>	:10/02/2012 :WO 2013/118301 :NA :NA :NA	(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)TAKAHASHI Yoshihiko 2)KAWASAKI Tomoya 3)KOMOGUCHI Tetsuya
Filing Date	:NA	

#### (57) Abstract:

The present invention addresses the problem of providing a warning device of improved usability. A warning device comprises: a first detection unit for detecting another vehicle approaching from the right rear of the home vehicle; a second detection unit for detecting another vehicle approaching from the left rear of the home vehicle; a warning unit for issuing a warning providing notification of the approach of another vehicle to a driver of the home vehicle; and a control unit for causing the warning unit to issue the warning when another vehicle is detected by the first detection unit or the second detection unit. After a first other vehicle has been detected by one among the first detection unit or the second detection unit while the home vehicle is reversing from a parked state the control unit extends by a predetermined duration the issuing of the warning regarding the first vehicle if a second other vehicle is detected by the other among the first detection unit or the second detection unit.

No. of Pages: 42 No. of Claims: 6

(21) Application No.6149/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: METHODS OF PRODUCING 7 CARBON CHEMICALS VIA C1 CARBON CHAIN ELONGATION ASSOCIATED WITH COENZYME B SYNTHESIS

(51) International classification :C12P7/18,C12N15/63,C12P7/42 (71) Name of Applicant:

(31) Priority Document No :61/747406 (32) Priority Date :31/12/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/077413

:23/12/2013 Filing Date

(87) International Publication No:WO 2014/105790

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)INVISTA TECHNOLOGIES S.A.R.L.

Address of Applicant : Zweigniederlassung St. Gallen Kreuzackerstrasse 9 CH 9000 St Gallen Switzerland

(72) Name of Inventor:

1)BOTES Adriana Leonora 2) CONRADIE Alex Van Eck

3) CHEN Changlin 4)PEARLMAN Paul S.

## (57) Abstract:

This document describes biochemical pathways for producing pimelic acid 7 aminoheptanoic acid 7 hydroxyheptanoic acid heptamethylenediamine or 17 heptanediol by forming one or two terminal functional groups each comprised of carboxyl amine or hydroxyl group in a C7 aliphatic backbone substrate. These pathways metabolic engineering and cultivation strategies described herein rely on the C1 elongation enzymes or homolog associated with coenzyme B biosynthesis.

No. of Pages: 100 No. of Claims: 38

(21) Application No.6300/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM FOR TREATING OBJECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:27/03/2013 :WO 2013/156105 :NA :NA :NA	(71)Name of Applicant:  1)EISENMANN AG Address of Applicant: T ¹ / ₄ binger Str. 81 71032 Bblingen Germany (72)Name of Inventor: 1)SLUKA Daniel 2)ERHARDT Reiner
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for treating objects comprises a device (8) for tempering objects in which a tempering tunnel (12) comprising at least one air outlet (26) and at least one air inlet (30) is arranged in a housing (10). At least one heating unit (38) in which a hot primary gas flow can be generated is assigned to the tempering tunnel (12) wherein the hot primary gas can be guided into a circulating air heat exchanger (42) in which air from the tempering tunnel (12) can be heated by hot primary gas as circulating air which can be fed back to the tempering tunnel (12) in a circuit (32) via the at least one air inlet (30). The heating unit (38) is coupled in the manner of a combined heating and power plant (46) to an electric generator (44) in such a way that electrical energy is produced during operation of the heating unit (38).

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

(21) Application No.6301/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :25/07/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention : INFORMATION PROCESSING DEVICE INFORMATION PROCESSING METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F 3/16 :2012021887 :03/02/2012 :Japan :PCT/JP2013/000312 :23/01/2013 :WO 2013/114821 :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)MIYAZAWA Yusuke
- 14		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is an information processing device including a display control unit configured to initiate a selective displaying of content screens and a sound output control unit configured to generate localization information of a notification sound associated with a first content screen that is not currently being displayed and initiate an outputting of the notification sound to a user in accordance with the localization information while a second content screen is being displayed.

No. of Pages: 44 No. of Claims: 27

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ASSEMBLY FOR RECEIVING THE HEEL OF A USER 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/01/2013 :WO 2013/120693 :NA :NA	(71)Name of Applicant: 1)RENAULT S.A.S. Address of Applicant:13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)BOUILLON Jean Charles
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention proposes an assembly (10) for receiving a heel (12) of a user of a motor vehicle under a pedal (14 15 16) and/or a footrest (18) of a motor vehicle passenger compartment comprising at least a thickness of acoustic felt (22) resting on a floor (20) of the vehicle a receiving element (24) resting on said acoustic layer (22) and comprising at least a bearing and pivoting area (12) for the heel and a mat (28) covering said element characterised in that the receiving element is formed from a hollow housing (24) comprising at least a rigid rear transverse wall (38) which protrudes relative to the horizontal to form the bearing and pivoting area (13) for the heel of the user and a horizontal transverse wall secured to the floor (20) of the vehicle and capable of deforming in the event of an impact.

No. of Pages: 16 No. of Claims: 9

(21) Application No.6463/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: REFORMING CATALYSTS WITH TUNED ACIDITY FOR MAXIMUM AROMATICS YIELD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01J 23/58 :61/617206 :29/03/2012 :U.S.A. :PCT/US2013/032773 :18/03/2013 :WO 2013/148391 :NA :NA :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant:25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor: 1)SERBAN Manuela 2)COSTELLO Colleen K. 3)LAPINSKI Mark P.
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#### (57) Abstract:

One exemplary embodiment can be a catalyst for catalytic reforming of naphtha. The catalyst can have a noble metal including one or more of platinum palladium rhodium ruthenium osmium and iridium at least two alkali metals or at least two alkaline earth metals or mixtures of alkali metals and alkaline earth metals and a support.

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

(21) Application No.4973/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: RF ACTIVATABLE ADHESIVES AND APPLICATIONS 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10/12/2013 :WO 2014/093273 :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)LEISNER, Michael, T.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An activatable adhesive that is formulated to readily absorb energy from a given radiation source , an activatable adhesive label that incorporates such an activatable adhesive, a system for activating such labels ,and related methods and uses are described. The activatable adhesive includes a plasticizer , a tackifier , and an adhesive base polymer that includes 2- ethyl hexyl acrylate , methyl methacrylate , methacrylic acid , and acrylic acid.

No. of Pages: 34 No. of Claims: 23

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MOLD TOOL SYSTEM HAVING MANIFOLD EXTENSION AND BIASING 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>	:13/12/2011 :WO 2012/094104 :NA :NA :NA	(71)Name of Applicant:  1)HUSKY INJECTION MOLDING SYSTEMS LTD  Address of Applicant:500 Queen Street South Bolton Ontario  L7E 5S5 Canada  (72)Name of Inventor:  1)OVERFIELD Sarah Kathleen  2)PLUMPTON James Osborne
Filing Date	:NA	

#### (57) Abstract:

A mold tool system (100) of a runner system (150) the mold tool system (100) comprising: a manifold extension (102) being configured to couple with a manifold assembly (152) of the runner system (150); and a biasing assembly (106) extending from the manifold extension (102) the biasing assembly (106) being configured to arrange in use sealing contact between the manifold extension (102) and a nozzle assembly (156).

No. of Pages: 22 No. of Claims: 8

(22) Date of filing of Application :08/07/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention : METHOD FOR MANUFACTURING BATTERY PROTECTION APPARATUS AND BATTERY PROTECTION 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> <li>(62) Divisional to Application Number</li> </ul>	:H01M2/34 :1020130040425 :12/04/2013 :Republic of Korea :PCT/KR2014/002652 :28/03/2014 :WO 2014/168363 :NA :NA	(71)Name of Applicant:  1)TES CO. LTD  Address of Applicant: 41 Hyeongje ro 45beon gil Namsa myeon Cheoin gu Yongin si Gyeonggi do 449 884 Republic of Korea (72)Name of Inventor:  1)KIM Young Dae
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a method for manufacturing a battery protection apparatus capable of reducing a defect rate and improving productivity by reducing work time and a battery protection apparatus. The method for manufacturing the battery protection apparatus according to one aspect of the present invention comprises the steps of: (a) preparing an upper PCB plate having a metallic thin film formed on an upper surface thereof a lower PCB plate having a metallic thin film formed on a lower surface thereof and a metal plate for a spacer having at least one side which protrudes toward lateral surfaces of the upper PCB plate and the lower PCB plate and has at least one insulation hole; (b) attaching the upper PCB plate and the lower PCB plate to each other in a state where the metal plate for the spacer is inserted; (c) forming circuit patterns on the upper PCB plate and the lower PCB plate;(d) forming a through hole which is smaller than the insulation hole and penetrates the upper PCB plate and the lower PCB plate and electrically connecting the upper PCB plate with the lower PCB plate through hole; (e) forming an exposure hole at the upper PCB plate so as to expose the metal plate for the spacer and electrically connecting the metal plate for the spacer with the upper PCB plate through the exposure hole; and (f) forming a vertical extension part and a horizontal extension part by bending a protrusion part of the metal plate for the spacer in two stages.

No. of Pages: 21 No. of Claims: 9

(21) Application No.6429/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: POWER STATION BOILER ECONOMIZER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:27/08/2013 :WO 2014/079247 :NA :NA	(71)Name of Applicant:  1)SHANGHAI BOILER WORKS CO. LTD.  Address of Applicant: No.250 Huaning Road Min Hang Shanghai 200245 China (72)Name of Inventor:  1)YAO Danhua
Filing Date	:NA	

## (57) Abstract:

Disclosed is a power station boiler economizer comprising a feed water pipeline (4) an inlet header box (1) a heat exchange surface (2) an outlet header box (3) and an outlet pipeline (8) wherein the feed water is heated when the flue gas flows through the outside of the heat exchange surface (2) a first bypass pipeline (5) is provided between the feed water pipeline (4) and the outlet pipeline (8) for connecting the two and furthermore the first bypass pipeline (5) is provided with a bypass temperature regulation device (9).

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

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AN IMPROVED AUTOMATED ROTATING BILLBOARD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:22011000032 :26/01/2011 :Phillipines :PCT/PH2011/000005 :15/04/2011 :WO 2012/102628 :NA :NA	(71)Name of Applicant:  1)GATUSLAO Glenn R.  Address of Applicant: 1201 1204 Cityland 10 Tower II 6817  H.V. Dela Costa Street Salcedo Village Makati City 1227  Phillipines (72)Name of Inventor:  1)GATUSLAO Glenn R.
	:NA :NA :NA	

#### (57) Abstract:

This disclosure pertains to the outdoor advertising medium specifically the automated rotating billboard. Further this is an enhancement of the current structure. Such an Improved Automated Rotating Billboard (31) maintains the three basic parts of the existing structure. One the billboard frame which has the lighting facility consisting of a plurality of lighting fixtures but now using the LED lights. Second the upstanding post comprises the upper rotating post member and the lower stationary post member. The improved structure has enhanced features namely the frequency inverter; the increased load capacity of the rotating disc; the amplified capacity of the carbon brush; and the default mechanism of the rotating disc. Moreover both width and height measurements of the upstanding post are ensured to guarantee safety. Third the pedestal is made stronger to support the entire structure. Indeed this improved model offers a much more efficient outdoor advertising exposure.

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

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A PASSIVELY ATHERMALIZED IMAGER

(51) International classification	:G02B3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION (DRDO)
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Government of
(86) International Application No	:NA	India, Room No. 348, B-wing, DRDO Bhawan, Rajaji Marg, New
Filing Date	:NA	Delhi-110 011, India. Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)VENKATA RAVI KURISETTY
Filing Date	:NA	2)MURALI MOHAN MEESALA
(62) Divisional to Application Number	:NA	3)SATYAVATHI SISTLA
Filing Date	:NA	4)NAVEEN PALLIKONDA

#### (57) Abstract:

The present disclosure relates to a passively athermalized reimager. The reimager comprises a mirror objective module and a relay optics module optically coupled with the mirror objective module. The mirror objective module comprises at least a first mirror and a second mirror. The first mirror receives input radiation reflected from an object and the second mirror focuses the input radiation reflected from the first mirror onto a first focal plane. The relay optics module comprises at least four lenses for relaying and reimaging the input radiation from the first focal plane on to a second focal plane. The second focal plane is coincident with a focal plane array detector where the input radiation is reimaged for object identification. The reimager is housed within a protective housing and is athermalized for a predetermined operating temperatures so that no defocussing occurs when the operating temperature changes.

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

(21) Application No.3790/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : FUEL INJECTION STRATEGIES IN OPPOSED PISTON ENGINES WITH MULTIPLE FUEL INJECTORS

<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>	:F02D 41/40 :61/628248 :27/10/2011 :U.S.A.	(71)Name of Applicant:  1)ACHATES POWER INC.  Address of Applicant: 4060 Sorrento Valley Boulevard San Diego CA 92121 U.S.A.
(86) International Application No Filing Date (87) International Publication No		(72)Name of Inventor: 1)KLYZA Clark A. 2)REDON Fabien G.
<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:

In an opposed-piston engine, two or more fuel injectors are mounted to a cylinder for direct side injection into the cylinder. The injectors are controlled so as to inject either a single fuel pulse or a plurality of fuel pulses per cycle of engine operation in order to initiate combustion during varying engine speeds and operating conditions

No. of Pages: 18 No. of Claims: 27

(21) Application No.3791/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR POLYMERIZING POLYPROPYLENE

## (57) Abstract:

The present disclosure relates to a method for polymerizing polypropylene optionally with one or more additional comonomers in a gas phase reactor in the presence of a mixed electron donor system comprising at least one selectivity control agent and at least one activity limiting agent. The process involves controlling the polymerization process to ensure that the difference between the reactor temperature and the dew point temperature of the incoming monomer stream is 12°C or greater.

No. of Pages: 27 No. of Claims: 20

(21) Application No.6848/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:01/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: POLYMERIC COMPONENT AND METHOD OF MAKING

(51) International classification :D04H3/16,D04H3/14,D04H3/10 (71) Name of Applicant:

(31) Priority Document No :13/029743 (32) Priority Date :17/02/2011

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/021273 No

:13/01/2012 Filing Date

(87) International Publication No:WO 2012/112246

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)BAKER HUGHES INCORPORATED

Address of Applicant :P.O. Box 4740 Houston Texas 77210

4740 U.S.A.

(72)Name of Inventor: 1)GUEST Randall V. 2) JOHNSON Michael H.

3) HUBER Kirk J.

## (57) Abstract:

A method of making a polymeric component includes extruding one or more strands of a polymer halting curing of the one or more strands forming a mat with the extruded one or more strands bonding the one or more strands to one another at points of contact therebetween and curing the one or more strands.

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

(22) Date of filing of Application :13/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTAKE STRUCTURE FOR STRADDLE-TYPE VEHICLE •

(51) International classification	:B62K11/00	(71)Name of Applicant :
(31) Priority Document No	:2014- 067712	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
(32) Priority Date	:28/03/2014	ku, Tokyo, 107-8556 Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKASHI NOMURA
Filing Date	:NA	2)KAZUHITO HOTTA
(87) International Publication 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 intake structure for a straddle-type vehicle, which has an intake passage with a less curved, shape as well as a frame passing through the vehicle center, for reducing intake resistance and, when the intake stiructure is equipped with a fuel injection valve, preventing sprayed fuel injected through the fuel injection valve from adhering to an inner v/all surface of the intake passage to thereby improve the performance of an internal-combustion engine and improve the output and fuel consumption of the internal-combustion engine. [Means for Solving the Problem] In an intake structure for a straddle-type vehicle: as seen in 3_ direction along a cylinder axis L, an intake port 41 of a cylinder head 13 is inclined' such that ,an inlet 41d of the intake port 41 is directed to an outlet 5 7a of a connecting tube 57, and is formed in the shape of a gentle curve so that sprayed fuel injected through' a fuel injection valve 54 of an inlet pipe 5 a can go from the inlet 4 Id of the intake port 41 toward an outlet 22 of the intake port 41; in a vehicle body, a throttle body 55 and the inlet pipe 5 0 are placed ahead of a part of a frame member located behind an internal-combustion engine; and the connecting tube 57 is connected to the throttle body while curving to go around the Xart of the. frame member located behind the internal-combustion engine.

No. of Pages: 44 No. of Claims: 5

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: LOCAL J COUPLING DYE ZEOLITE ANTENNA COMPOSITE 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>	:C09K 11/06 :11193051.7 :12/12/2011 :EPO :PCT/EP2012/074951 :10/12/2012 :WO 2013/087568 :NA :NA	(71)Name of Applicant:  1)UNIVERSIT,,T ZRICH Address of Applicant: Prorektorat MNW Rmistrasse 71 CH 8006 Z ¹ / ₄ rich Switzerland (72)Name of Inventor: 1)CALZAFERRI Gion 2)KUNZMANN Andreas
· · ·		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A dye loaded zeolite composite material comprises a plurality of zeolite crystals each having a plurality of straight through uniform channels extending between the proximal face and the distal face and having a channel axis parallel to and a channel width transverse to a longitudinal crystal axis A. Each channel contains a substantially linear arrangement of dye molecules comprising first and second dye molecules having an elongated shape with a longitudinal extension exceeding said channel width and a lateral extension not exceeding said channel width. Each dye molecule consists of a chromophore moiety arranged between a pair of terminal moieties wherein: the chromophore moieties of the first and second dye molecules are substantially identical the terminal moieties of the first dye molecules have a lateral extension larger than half of the channel width the terminal moieties of the second dye molecules have a lateral extension smaller than half of the channel width the linear arrangement of dye molecules comprises at least one pair of second dye molecules adjacent each other.

No. of Pages: 34 No. of Claims: 13

(21) Application No.3761/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TRAIN CONTROL SYSTEM

(51) International classification	:B61L 3/12	(71)Name of Applicant:
(31) Priority Document No	:2011240460	1)THE NIPPON SIGNAL CO. LTD.
(32) Priority Date	:01/11/2011	Address of Applicant :5 1 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1006513 Japan
(86) International Application No	:PCT/JP2012/077260	(72)Name of Inventor:
Filing Date	:22/10/2012	1)TAKAHASHI Masahide
(87) International Publication No	:WO 2013/065514	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This train control system comprises: an onboard device (3) mounted on a train (2) which travels along a predetermined track (1); a pair of onboard wireless units (4) mounted on the train (2); a trackside wireless unit (5) which carries out transmission/reception with each of the onboard wireless units (4) and which is established at a predetermined position on the track (1); and a ground based device which is connected to the trackside wireless unit (5) and that detects the position of the train (2) on the basis of the propagation time of the radio waves between the onboard wireless units (4) and the ground based wireless unit. If two trains (2) are to be connected within a pre established merging/separation permitted area the onboard device (3) stops operation by one of the onboard wireless devices (4) and sets a new combination with the new onboard wireless device which is operating.

No. of Pages: 23 No. of Claims: 3

(22) Date of filing of Application :08/08/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TRAY SYSTEM FOR DISPLAY STORAGE AND TRANSPORTATION OF BOTTLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B65D71/70 :61/592098 :30/01/2012 :U.S.A. :PCT/US2013/023742 :30/01/2013 :WO 2013/116269 :NA :NA	(71)Name of Applicant:  1)POLYMER SOLUTIONS INTERNATIONAL INC. Address of Applicant: P.O. Box 369 Medford NJ 08055 0369 U.S.A. (72)Name of Inventor: 1)KELLY Daniel E. 2)SPADAVECCHIA John A. 3)FAVARON James A. 4)JACOBS Jeff
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A tray system (100) includes a first tray (200) having a plurality of stacking units. Each stacking unit forms a lower receptacle (220) for receiving a neck portion of a first bottle and an upper receptacle (240) for receiving a base portion of a second bottle to be stacked above the first bottle. The lower receptacle has a first end (222) a second end (224) opposite the first end and a sidewall (226) connecting the first end with the second end. The first end forms an opening (228) for receiving a neck of a bottle into the lower receptacle. The tray system may also include a second tray (300) and a pallet (400).

No. of Pages: 26 No. of Claims: 15

(22) Date of filing of Application :01/08/2013

(43) Publication Date: 29/04/2016

## (54) Title of the invention : A WIND TURBINE ARRANGEMENT WITH A MAIN WIND TURBINE AND AT LEAST ONE SECONDARY 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>	:F03D1/02 :PA 2011 70065 :04/02/2011 :Denmark :PCT/DK2012/050044 :03/02/2012 :WO 2012/103894 :NA :NA :NA	(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)ROSENVARD Paw
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#### (57) Abstract:

A wind turbine arrangement (1) is disclosed. The wind turbine arrangement (1) comprises a main wind turbine (2) and at least one secondary wind turbine (7, 7a, 7b, 7c). The main wind turbine (2) is arranged to produce electrical power and to supply produced electrical power to an external power recipient, such as a power grid (10). The main wind turbine (2) comprises one or more power consuming internal systems, e.g., yaw system (16), control system, heating systems (13), lubrication systems (15), etc. The secondary wind turbine (s) (7, 7a, 7b, 7c) is/are arranged to produce electrical power and to supply produced electrical power to at least some of the power consuming internal system(s) of the main wind turbine(2). The secondary wind turbine(s) (7, 7a, 7b, 7c) is/are electrically disconnected from the external power recipient. The secondary wind turbine(s) (7, 7a, 7b, 7c) may constitute a backup power supply to the internal systems. Thereby it is not necessary to refuel the backup power supply, and the backup power supply is environmental friendly. This is particularly useful in offshore wind turbine arrangements (1).

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

(21) Application No.2704/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: GAS CONCENTRATION DETECTING DEVICE

(51) International classification	:G01N	(71)Name of Applicant:
(31) Priority Document No	:2014- 177089	1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(32) Priority Date		471-8571, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HASHIDA Tatsuhiro
Filing Date	:NA	2)WAKAO Kazuhiro
(87) International Publication No	: NA	3)AOKI Keiichiro
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A gas concentration detecting device includes a gas concentration detecting element (10; 20; 30) and an electronic control unit (81). The gas concentration detecting element (10; 20; 30) includes a first electrochemical cell (lie) and a second electrochemical cell (12c). The electronic control unit (81) is configured to detect the concentration of the sulfur oxide contained in the test gas based on a first detected value correlated with a current flowing through the first electrochemical cell (lie) acquired when a first removing voltage is applied to the second electrochemical cell (12c) and a measuring voltage is applied to the first electrochemical cell (lie). Selected drawing: FIG. 1

No. of Pages: 60 No. of Claims: 12

(22) Date of filing of Application :25/06/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: SWITCH HAVING A QUENCHING CHAMBER

(51) International classification :H01H9/44,H01H9/34,H01H1/20 (71) Name of Applicant:

(31) Priority Document No :10194012.0 (32) Priority Date :07/12/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/072097

:07/12/2011 Filing Date

(87) International Publication No:WO 2012/076606

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) EATON ELECTRICAL IP GMBH & CO. KG

Address of Applicant: Airport Center Schnefeld Mittelstrasse

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(72)Name of Inventor:

1)LANG Volker

2)FRIEDRICHSEN Lutz

## (57) Abstract:

The invention relates to a switch which has a fast and reliable quenching behavior for electric arcs irrespective of the current direction and which is suitable for multi-pole operation. The switch (1) comprises at least two switching chambers (11a, 11b), each switching chamber (11a, 11b) having a one-way switch with an immobile contact (2) having a first contact region (21) and a mobile electrically conducting contact piece (30) having a second contact region (31) for establishing a respective electrically conductive connection between the first and second contact region (21, 31) in the ON state of the switch (1) and for interrupting the first and second contact region (21, 31) in the OFF state of the switch (1) and two quenching devices (4) for quenching the electric arc (5) that may occur between the first and second contact region (21, 31) when the OFF state is established. The switch further comprises at least two magnets (71, 72) for producing a magnetic field (M) at least in the region of the first and second contact regions (21, 31) of the switching chambers (11a, 11b) to exert a magnetic force (F) onto the electric arcs (5) such that every electric arc (5) is driven towards one of the quenching devices (4) irrespective of the current direction (I) in the electric arc (5), the mobile contact pieces (30) of the switching chambers (11a, 11b) being arranged substantially parallel to the direction of the magnetic field (M) in the switching chambers (11a, 11b) and performing a translatory movement.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A PHARMACEUTICAL DOSAGE FORM

(51) International classification	:A61K9/24,A61K9/52	(71)Name of Applicant :
(31) Priority Document No	:2010/03740	1)UNIVERSITY OF THE WITWATERSRAND
(32) Priority Date	:26/11/2010	JOHANNESBURG
(33) Name of priority country	:South Africa	Address of Applicant :1 Jan Smuts Avenue Braamfontein 2050
(86) International Application No	:PCT/IB2011/055331	Johannesburg Gauteng South Africa
Filing Date	:28/11/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/070028	1)SHAIKH Rubina Perveen
(61) Patent of Addition to Application	:NA	2)PILLAY Viness
Number	:NA	3)CHOONARA Yahya Essop
Filing Date	.IVA	4)DU TOIT Lisa Claire
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pH responsive and mucoadhesive pharmaceutical dosage form for the release of a pharmaceutically active agent is described. The dosage form includes a mucoadhesive layer for site specific mucoadhesion a water insoluble outer layer and an intermediate layer including one or more pharmaceutically active agents for site specific delivery. The different membranous layers perform different functions in order to create a drug delivery system which is able to deliver a drug to a specific site for a particular period of time and with a specific drug release pattern. The dosage form can have two or more intermediate layers each layer comprising an active agent. The mucoadhesive layer can also include an active agents. The dosage form is preferably an oral or buccal delivery form for release of the active agent into the gastro intestinal tract. The intermediate layer can be an electrospun fibrous membrane layer containing the active agent.

No. of Pages: 46 No. of Claims: 33

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: HERMETICALLY SEALED ELECTROLYTIC CAPACITOR

		(71)Name of Applicant :
(51) International classification	:H01G9/06	1)VISHAY SPRAGUE INC.
(31) Priority Document No	:61/439692	Address of Applicant :63 Lancaster Avenue Malvern
(32) Priority Date	:04/02/2011	Pennsylvania 19355 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2012/023796	1)EIDELMAN Alex
Filing Date	:03/02/2012	2)EVANS John
(87) International Publication No	:WO 2012/106611	3)BREITHAUPT Stephen
(61) Patent of Addition to Application	:NA	4)LASTELLA Sarah
Number	:NA	5)FAIRFIELD Edward
Filing Date	INA	6)STATKOV Ilia
(62) Divisional to Application Number	:NA	7)SEGEL Vicki
Filing Date	:NA	8)VAISMAN Pavel
		9)ESHEL Hila

## (57) Abstract:

A hermetically sealed capacitor and method of manufacturing are provided. The hermetically sealed capacitor includes an anode element having an anode wire (24) and a feed through barrel (22) a cathode element a first case portion having a first opening portion and a second case portion having a having a second opening portion. The first and second opening portions form an opening configured to mate with the feed through barrel. The first opening portion may include a slot portion configured to receive the feed though barrel. The first and second opening portions may include first and second mating portions respectively the first and second mating portions being configured to mate with the feed through barrel. The hermetically sealed capacitor may also include electrolytic solution disposed between the first and second case portions.

No. of Pages: 24 No. of Claims: 37

(22) Date of filing of Application :20/02/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A FLAMEHOLDER ASSEMBLY FOR AN AFTERBURNER OF AN AIRCRAFT ENGINE AND A METHOD THEREOF

<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>	:F67B :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)THE DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION (DRDO)  Address of Applicant: Ministry of Defence, Government of India, Room No. 348, B-wing, DRDO Bhawan, Rajaji Marg, New Delhi-110105, India. Delhi India (72)Name of Inventor:  1)Dr. VENKATARAMAN SHANKAR  2)N. MUTHUVEERAPPAN  3)T. KRISHNAMURTHY  4)AKHILESH KUMAR YADAV  5)S. MANIKANDAN
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The present disclosure discloses a flameholder assembly for an afterburner of an aircraft engine. The assembly comprises first gutter, a plurality of radial inner gutters mounted on inner circumference of the first gutter, and a plurality of radial outer gutters mounted on outer circumference of the first gutter for supplying air-fuel mixture to the first gutter. A pilot ignition system comprising a vaporizing tube disposed in at least one of radial outer gutter, a swirler nozzle at an inlet of the vaporizing tube, and an igniter plug is provided in the assembly for creating the pilot flame ball. Further, a circular manifold having plurality of orifice fuel injectors is provided in the assembly for supplying fuel to the radial outer gutters other than the radial outer gutter to which the pilot ignition system is integrated. FIG. 1

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

(21) Application No.5335/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: ABSORBENT ARTICLE

(51) International :A61F13/15,A61F13/472,A61F13/511 classification

(31) Priority Document No :2010282455 (32) Priority Date :17/12/2010

(33) Name of priority

:Japan country

(86) International :PCT/JP2011/069662

Application No :30/08/2011 Filing Date

(87) International

:WO 2012/081282 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)Kao Corporation

Address of Applicant: 14 10 Nihonbashi Kayabacho 1 chome

Chuo ku Tokyo 1038210 Japan (72) Name of Inventor:

1)TACHIKAWA Hiromi 2)YAMAGUCHI Tatsuvuki

3)KATO Takahiro

4)NAGAHARA Shinsuke

### (57) Abstract:

An oblong absorbent article having a liquid permeable front surface sheet disposed on the skin contacting side a back surface sheet disposed on the side that does not contact the skin and an absorbent disposed between the two sheets wherein; the absorbent has a longitudinal direction and a width direction orthogonal thereto and in the region that corresponds to the region of discharge liquid conducting structures are disposed in both the longitudinal and width directions of the absorbent that are configured from groove shaped crevices excavated from the non skin contacting side in the thickness direction and pulp fiber containing concave absorption parts at the bottoms of said crevices on the skin contacting side; the regions surrounded by the liquid conducting structures are provided with block shaped protruding absorption parts that protrude to the non skin contacting side contain pulp fibers and have higher basis weight than the concave absorption parts; and the concave absorption parts of the liquid conducting structures are of low density and the block shaped protruding absorption parts are of relatively high density.

No. of Pages: 80 No. of Claims: 7

(21) Application No.6565/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONNECTING DEVICE FOR CONNECTING A FIRST RESERVOIR TO A SECOND RESERVOIR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:25/01/2012 :WO 2012/101178 :NA :NA :NA	(71)Name of Applicant:  1)FRESENIUS KABI DEUTSCHLAND GMBH Address of Applicant: Else Krner Strae 1 61352 Bad Homburg Germany (72)Name of Inventor: 1)RAHIMY Ismael 2)BRANDENBURGER Torsten
Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a connecting device for connecting a first reservoir to a second reservoir with a first section (11) for placement of the first reservoir (5) closed by a closure piece (51); a second section (12) for placement of the second reservoir; and a piercing element (2) which when the first reservoir (5) is placed on the first section (11) punctures the closure piece (51) of the first reservoir (5) with a piercing end (21). According to the invention the piercing element (2) can be moved from a first position to a second position such that in the first position it blocks a flow connection between the first and second sections (11 12) and in the second position permits a flow connection between the first and second sections (11 12).

No. of Pages: 24 No. of Claims: 20

(21) Application No.690/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/01/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: BLENDS OF ACRYLIC COPOLYMER THICKENERS

<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>	:C08F2/00,C08L33/02,A61K8/72 :61/362750 :09/07/2010 :U.S.A.	<ul> <li>(71)Name of Applicant:</li> <li>1)LUBRIZOL ADVANCED MATERIALS INC.</li> <li>Address of Applicant:9911 Brecksville Road Cleveland Ohio</li> <li>44141 3247 U.S.A.</li> </ul>
(86) International Application No Filing Date (87) International Publication No	:PCT/US2011/043155 :07/07/2011 :WO 2012/054107	<ul><li>(72)Name of Inventor:</li><li>1)TAMARESELVY Krishnan</li><li>2)RAFFERTY Denise W.</li></ul>
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:NA :NA	
Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed are blends of acrylic polymers comprising at least one crosslinked acrylic copolymer and at least one linear acrylic copolymer. The acrylic polymer blends surprisingly provide desirable rheological, clarity, and aesthetic properties in aqueous surfactant containing compositions particularly at low pH.

No. of Pages: 130 No. of Claims: 23

(21) Application No.6364/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: INFORMATION GATHERING 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>	:G06K 19/07 :2012017011 :30/01/2012 :Japan :PCT/JP2013/051125 :22/01/2013 :WO 2013/114997 :NA :NA	(71)Name of Applicant:  1)DAI NIPPON PRINTING CO. LTD.  Address of Applicant: 1 1 Ichigaya kaga cho 1 chome Shinjuku ku Tokyo 1628001 Japan (72)Name of Inventor:  1)TAKAHASHI Hiroko 2)BIZEN Takehiko
E	:NA :NA	

#### (57) Abstract:

[Problem] To provide an information gathering device which achieves easy button selection and user friendliness. [Solution] An information gathering device (1) is provided with a plurality of selection buttons (6a 6e 7a 7c) which a user can press a communication module (10) capable of storing identification information relating to the user and information relating to a pressed selection button and transmitting the stored information by radio to a host device and a cancel button (4) for cancelling the information relating to the pressed selection button. The communication module (10) comprises a button battery (14) for supplying power supply voltage to an IC chip (12) and the IC chip comprises a storage unit (21) for storing information specifying the pressed selection button and information relating to the time of pressing on a time series basis a control unit (22) for performing control for storing the information in the storage unit and a radio communication unit (23) for performing proximity radio communication with the host device. When the cancel button is pressed the control unit (22) stores in the storage unit information that pressing information relating to the selection button pressed immediately before the cancel button is pressed is cancelled.

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

(22) Date of filing of Application :25/07/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: ELECTRO OPTICAL DISTANCE MEASURING DEVICE WITH A GESTURE BASED MEASUREMENT TRIGGER THAT FUNCTIONS WITHOUT CONTACTING THE MEASURING DEVICE

(51) International classification: G01S7/48,G01S17/08,G01S7/497 (71) Name of Applicant:

:22/03/2012

:WO 2012/127017

(31) Priority Document No :11159282.0 (32) Priority Date :22/03/2011

(33) Name of priority country :EPO

(86) International Application :PCT/EP2012/055154

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

1)LEICA GEOSYSTEMS AG

Address of Applicant : Heinrich Wild Strasse CH 9435

Heerbrugg Switzerland (72) Name of Inventor:

1)BCHEL Sven

### (57) Abstract:

The invention relates to an electro-optical distance measuring device for measuring distances in a contactless manner, comprising at least one laser distance-measuring module, which has a laser source for emitting an optical measuring light beam in the direction of an object and which has a receiver for detecting reflected portions of the optical measuring light beam, and comprising an analyzing and control unit for determining a distance on the basis of the received portions of the optical measuring light beam. According to the invention, criteria are defined and stored which characterize a determined gesture for triggering the distance measurement, said gesture being carried out by a user using a test body that crosses the measuring light beam in an encoded manner. Additionally, the analyzing and control unit is designed to carry out a measurement-triggering gesture mode in which reflected portions of the optical measuring light beam are continuously detected automatically and the continuously detected reflected portions are analyzed with respect to characteristic variables, said variables being dependent on a gesture that crosses the measuring light beam by means of a test body in an encoded manner. The characteristic variables are used to test whether said variables correspond to the defined criteria so that the gesture that is carried out by the user is identified as the gesture for triggering the distance measurement if the characteristic variables correspond to the criteria. Finally, a measurement of the distance to the object can be automatically triggered in response to an identification of the gesture for triggering the distance measurement.

No. of Pages: 43 No. of Claims: 14

(21) Application No.6937/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: OSTEOGENIC PROMOTING IMPLANTS AND METHODS OF INDUCING BONE GROWTH

(51) International

:A61L27/54,A61L27/36,A61L27/12

classification

(31) Priority Document No

:61/446706

(32) Priority Date (33) Name of priority country: U.S.A.

:25/02/2011

(86) International Application :PCT/US2012/026444

:24/02/2012

Filing Date

:NA

(87) International Publication :WO 2012/161788

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71) Name of Applicant:

1) DEPUY SYNTHES PRODUCTS LLC

Address of Applicant: 325 Paramount Drive Raynham MA

02767 U.S.A.

2)SYNTHES GMBH

(72)Name of Inventor:

1)MOORE Meredith Hans

2)BUECHTER Doug 3)BROWN Melissa

4)HUGHES Lisa

5)HORNSBY Stephen

(57) Abstract:

The present disclosure describes an implant for improving bone growth including an osteoconductive scaffold and an osteoinductive small molecule. The osteoconductive scaffold can further include a polymeric binder. The implant can also include an osteogenic material to provide a viable cell population to assist the bone repair and remodeling. Also disclosed is a system for forming an implant for improving bone growth as well as methods for forming the implant according to the disclosure in addition to methods of therapeutic use of the implant.

No. of Pages: 40 No. of Claims: 23

(21) Application No.4424/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: STERILIZATION 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>	:A61L 2/18 :2011904681 :10/11/2011 :Australia :PCT/AU2012/001388 :09/11/2012 :WO 2013/067598 :NA :NA	(71)Name of Applicant:  1)ADMEDUS REGEN PTY LTD  Address of Applicant: Level 1 197 Adelaide Terrace Perth Western Australia 6000 Australia (72)Name of Inventor:  1)NEETHLING William Morris Leonard
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a process for sterilizing implantable biomaterials. In particular the invention relates to a process for sterilizing a cross linked collagen based biomaterial comprising contacting said cross linked collagen based biomaterial with a sterilization solution comprising between 3% and 6% v/v propylene oxide and incubating said biomaterial between 30°C and 55°C for greater than 48 hours; with the proviso that the sterilization solution does not include alcohol.

No. of Pages: 41 No. of Claims: 14

(22) Date of filing of Application :03/03/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A SYNERGISTIC COMPOSITION FOR TREATING ANEMIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:A61K :102107579 :04/03/2013 :Taiwan :NA :NA	,
$\epsilon$		1)LO, Kung-wing
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides a synergistic composition for treating anemia or supplementing iron or alleviating dysmenorrhea. The composition comprises (A) an extract of Siwu, the Siwu comprising Angelica sinensis, Ligusticum wallichii, Paeonia lactiflora, and Rehmannia glutinosa; and (B) Ferrochel. The extract of Siwu and Ferrochel is contained in a quantity being effective in a synergistic manner in treating anemia or supplementing iron. It is also provided in the present invention a medicament comprising the synergistic composition for treating anemia or supplementing iron, and for alleviating dysmenorrhea. Further provided is use of the synergistic composition in the manufacture of a medicament for treating anemia or supplementing iron, and for alleviating dysmenorrhea.

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

(21) Application No.6072/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :18/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SOLAR LIGHTING WITH PAY-AS-YOU GO TECHNOLOGY

<ul> <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>	:H05B37/00, :61/578104 :20/12/2011 :U.S.A.	(71)Name of Applicant:  1)ANGAZA DESIGN INC.  Address of Applicant: 1028 15th Avenue Redwood City CA 94063 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/071043 :20/12/2012	(72)Name of Inventor : 1)MARINCOLA Lesley Silverthom
(87) International Publication No	:WO 2013/096668	2)SILVERTHORN Bryan
(61) Patent of Addition to Application Number	:NA :NA	3)IANNCE F. 4)KUHLMANN Kurt
Filing Date (62) Divisional to Application Number	:NA	5)DUGGAN Bryan
(62) Divisional to Application Number Filing Date	:NA :NA	6)ZULLO Peter 7)ARCH Victoria

#### (57) Abstract:

Disclosed are devices and methods for providing solar lighting and power to a consumer using pay as you go technology. The pay as you go technology allows for a user to pay for home power and lighting on an incremental basis as they use the device. The payments are made using a user s cell phone. A pay as you go lighting apparatus may include a lighting module configured to provide lighting to a customer when activated and a control system including a processor and a memory configured to monitor usage of the lighting apparatus track remaining usage credits and disable the lighting apparatus when there are no remaining usage credits.

No. of Pages: 38 No. of Claims: 26

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

:NA

:NA

# (54) Title of the invention : TOOLS FOR USE IN SUBTERRANEAN BOREHOLES HAVING EXPANDABLE MEMBERS AND RELATED METHODS

(51) International classification :E21B10/32,E21B10/62 (71)Name of Applicant : (31) Priority Document No 1)BAKER HUGHES INCORPORATED :13/025884 (32) Priority Date Address of Applicant :P.O. Box 4740 Houston TX 77210 4740 :11/02/2011 (33) Name of priority country U.S.A. :U.S.A. (86) International Application No :PCT/US2012/024318 (72) Name of Inventor: Filing Date :08/02/2012 1)RADFORD Steven D. (87) International Publication No :WO 2012/109346 2)TRINH Khoi Q. (61) Patent of Addition to Application 3)LI Li :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

Expandable apparatus for use in subterranean boreholes include at least one member configured to move between a retracted position and an extended position. Components of the expandable apparatus may include at least one surface for removing debris proximate to the tubular body. Components of the expandable apparatus may be configured to enable the expandable apparatus to increase a diameter of a subterranean borehole by greater than twenty percent. Components of the expandable apparatus may be configured to restrict fluid flow to nozzle assemblies. The expandable apparatus may include a protect sleeve having a push sleeve disposed therein. Methods of operating an expandable apparatus may include removing debris with a surface of the expandable apparatus. Methods of operating an expandable apparatus may also include selectively flowing fluid to nozzle assemblies.

No. of Pages: 41 No. of Claims: 20

(62) Divisional to Application Number

(12) TATENT ALTEICATION TODEICATION

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: RELUCTANCE MOTOR

(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)Suzuki Motor Corporation
(31) Thority Document No	055860	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:19/03/2013	Hamamatsu-shi, Shizuoka 432-8611 (JP) Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AOYAMA Masahiro
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.699/DEL/2014 A

#### (57) Abstract:

(19) INDIA

A reluctance motor has: a stator provided with drive coils to which multiphase drive currents are inputted; and a rotor provided with a plurality of salient poles which receive primary rotating force when magnetic fluxes generated in the drive coils are interlinked with the rotor, and the rotor has: inductor pole coils which are placed on magnetic paths on which spatial harmonic components superimposed on the magnetic fluxes generated in the drive coils are interlinked with the rotor side so that induced currents can be generated in the inductor pole coils due to the spatial harmonic components of the magnetic fluxes; rectifier elements which rectify the induced currents generated in the inductor pole coils; and electromagnet coils as defined herein, and the inductor pole coils and the electromagnet coils do not serve for each other^{TMS} purposes but are placed on the rotor individually.

No. of Pages: 57 No. of Claims: 5

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: BLADE PLATFORM ASSEMBLY FOR SUPERSONIC FLOW

(51) International classification	:F01D5/14	(71)Name of Applicant:
(31) Priority Document No	:1151070	1)SNECMA
(32) Priority Date	:10/02/2011	Address of Applicant :2 Boulevard du Gnral Martial Valin F
(33) Name of priority country	:France	75015 Paris France
(86) International Application No	:PCT/FR2012/050254	(72)Name of Inventor:
Filing Date	:06/02/2012	1)CELLIER Damien
(87) International Publication No	:WO 2012/107677	2)PERROT Vincent Paul Gabriel
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	3)RIOS Jean Fran§ois
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Assembly comprising a blade (20) and a platform on which the blade can be mounted, the platform surface having, between the leading edge and the trailing edge of the blade, a circumferential depression (40) the most hollow cross section (41) of which lies in the upstream half of the blade. The curve of the variations of a skeleton angle (a) of the blade as a function of the position about the axis of the rotor is termed the skeleton curve (46) and the curve of the variations of an angle as a function of the position along the axis of the rotor which in a straight line connects the points representing the skeleton angle at 10% and at 90% of the axial extent of the blade measured from the leading edge respectively is termed the linearized skeleton curve (45). In the vicinity of the platform, the skeleton curve has a raised part that lies above the linearized skeleton curve (45).

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

### (54) Title of the invention: A SURGICAL STAPLING AND CUTTING DEVICE

(51) International classification :A61B17/072, (31) Priority Document No :13/037424 (32) Priority Date :01/03/2011

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/026985 Filing Date :28/02/2012 (87) International Publication No :WO 2012/118837

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:A61B17/072,A61B19/00 (71)Name of Applicant :

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati OH 45242

U.S.A.

(72)Name of Inventor:

1)ORTIZ Mark S.

2)SHELTON Frederick E. IV

3)SPIVEY James T.

### (57) Abstract:

A surgical stapling and cutting device having an elongate shaft (12) with proximal and distal ends (12a, 12b). The distal end of the shaft has a flexible neck extending therefrom. The device includes an end effector (16) disposed on a proximal end of the flexible neck (26). The end effector includes opposed first (18) and second jaws (20) adapted to receive tissue therebetween. The first jaw has a staple cartridge attached thereto wherein the staple cartridge has multiple staples disposed therein for being driven into tissue. The second jaw includes an anvil for deforming the staples. The device also includes a remotely controlled user interface coupled to the proximal end of the elongate tube. The interface is operatively associated with the flexible neck such that movement of the remotely controlled user interface is mimicked by the flexible neck.

No. of Pages: 47 No. of Claims: 3

(21) Application No.6994/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013

(43) Publication Date: 29/04/2016

### (54) Title of the invention: LUBRICANT COMPOSITION COMPRISING ANTI FOAM AGENTS

(51) International :C10M155/02,C10M167/00,C10M169/04 classification

(31) Priority Document :61/437704

(32) Priority Date :31/01/2011 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/022639 Application No :26/01/2012

Filing Date

(87) International :WO 2012/106170 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)THE LUBRIZOL CORPORATION

Address of Applicant :29400 Lakeland Blvd. Wickliffe Ohio

44092 2298 U.S.A. (72) Name of Inventor:

1)LOOP John G. 2)ABRAHAM William D.

### (57) Abstract:

The disclosed invention relates to a multigrade lubricant composition which can be used for numerous lubricant applications but is particularly useful for lubricating a diesel engine. The lubricant composition comprises an oil of lubricating viscosity a detergent a dispersant a viscosity index improver and a combination of anti foam agents. The lubricant composition may be used for providing enhanced fuel economy and avoiding air entrainment problems when used in lubricating diesel engines.

No. of Pages: 29 No. of Claims: 27

(21) Application No.6996/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD OF ENHANCING HAIR GROWTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:30/01/2012 :WO 2012/106249 :NA :NA :NA	(71)Name of Applicant:  1)ALLERGAN INC.  Address of Applicant: 2525 Dupont Drive Irvine California 92886 U.S.A. (72)Name of Inventor:  1)WOODWARD David F.  2)WANG Jenny W.
Filing Date	:NA :NA	

### (57) Abstract:

Methods and compositions for stimulating the growth of hair are disclosed wherein said compositions include bimatoprost and minoxidil in a vehicle for topical application to the skin of a mammal e.g. a human whereby the combination of bimatoprost and minoxidil produces a faster onset of hair growth in humans or other mammals and wherein said composition brings about a synergestic result of faster onset of hair growth as compared to compositions comprising bimatoprost and minoxidil alone.

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

(21) Application No.6997/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: ENERGY STORAGE SYSTEM AND RECHARGEABLE BATTERY CONTROL METHOD

(51) International

:H02J7/00,H01M10/44,H01M10/48 classification

(31) Priority Document No :2011068212 (32) Priority Date :25/03/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/056979

:19/03/2012 Filing Date

(87) International Publication

:WO 2012/132985

(61) Patent of Addition to **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant:

1)NEC ENERGY DEVICES LTD.

Address of Applicant: 1120 Shimokuzawa Chuo ku

Sagamihara shi Kanagawa 2525298 Japan

(72) Name of Inventor: 1)SUZUKI Shin

## (57) Abstract:

This energy storage system has a plurality of rechargeable battery packs and a superordinate control unit. With some of the rechargeable battery packs discharging, if additional rechargeable battery packs that are not discharging are connected in parallel with the rechargeable battery packs that are in the middle of discharging, and begin to discharge, the superordinate control unit predicts the discharge start time at which the voltage between the terminals of the additional rechargeable battery packs that are to discharge and the rechargeable battery packs that are in the middle of discharging coincides. Furthermore, the superordinate control unit initiates discharging in the additional rechargeable battery packs that are to discharge at the discharge start time.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :18/11/2010 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A THREAD WHIRLING DEVICE AND A TOOL FOR INSTALLING A WHIRLING RING

(51) International classification	:B23G1/32	(71)Name of Applicant:
(31) Priority Document No	:102009059707.7	
(32) Priority Date	:18/12/2009	Address of Applicant :AUF DER OBEREN AU 45, 77797
(33) Name of priority country	:Germany	OHLSBACH, GERMANY Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KARLHEINZ JANSEN
(87) International Publication No	:NA	2)TOBIAS FAUTZ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A thread whirling device I and a whirling ring 3, corresponding thereto, are presented, in which the whirling ring 3 can be attached in a hollow spindle II of the thread whirling device I in a simple and reliable manner using a combined bayonet-type and clamping connection.

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

(21) Application No.2912/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: POLYPEPTIDES THAT BIND TO HUMAN COMPLEMENT COMPONENT C5

(51) International (71) Name of Applicant: :C07K16/18,C07K16/46,A61K39/00 classification 1)ALEXION PHARMACEUTICALS INC. (31) Priority Document No :61/388902 Address of Applicant :352 Knotter Drive Cheshire CT 06410 (32) Priority Date :01/10/2010 U.S.A. (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)GIES DAVID (86) International 2) HUNTER Jeffrey W. :PCT/US2011/054143 Application No 3)SPRINGHORN Jeremy P. :30/09/2011 Filing Date (87) International Publication: WO 2012/044893 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

### (57) Abstract:

The present disclosure relates to, inter alia, C5-binding polypeptides and use of the polypeptides in methods for treating or preventing complement-associated disorders. Also featured are therapeutics kits containing one or more of the C5- binding polypeptides and means for administering the polypeptides to a subject.

No. of Pages: 93 No. of Claims: 63

(22) Date of filing of Application :07/02/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR PRE-STARTUP AND POST-SHUTDOWN PREPARATIONS OF STEAM GENERATORS OR POWER 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 Filing Date</li> </ul>	:F22B :13/774,103 :22/02/2013 :U.S.A. :NA :NA :NA :NA :NA	,
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#### (57) Abstract:

System and method for pre-startup or post-shutdown preparation for such power plants are disclosed which are subject to frequent startups and shutdowns, such as a solar operated power plant. The system and method introduces an auxiliary fluid flow to be circulated in an opposite direction to a direction of normal working fluid flow responsible for producing electricity. That is, if the working fluid flow in a first direction for operating the power plant, than the auxiliary fluid flows in a second direction, opposite to the first direction. The auxiliary fluid flows in the second direction for a predetermined time and at a predetermined conditions through a plurality of superheater panel arrangements of solar receiver former to activation of the working fluid circuit, as pre-startup preparation of the power plant, and after cessation of the working fluid circuit, as post-shutdown preparation of the power plant, to attain predetermined conditions in the superheater.

No. of Pages: 28 No. of Claims: 27

(21) Application No.3847/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention : MELDRUM S ACID BARBITURIC ACID AND PYRAZOLONE DERIVATIVES SUBSTITUTED WITH HYDROXYLAMINE AS HNO DONORS

(51) International :C07D231/22,C07D231/46,C07D239/62

classification

(31) Priority Document :61/548036

No

(32) Priority Date :17/10/2011

(33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2012/060425

Filing Date :16/10/2012

(87) International

Publication No :WO 2013/059194

(61) Patent of Addition to :NA Application Number :NA

lication Number :NA Filing Date :NA

(62) Divisional to Application Number Filing Date :NA (71) Name of Applicant:

1)THE JOHNS HOPKINS UNIVERSITY

Address of Applicant: 100 North Charles Street 5th Floor

Baltimore Maryland 21201 U.S.A.

(72)Name of Inventor: 1)TOSCANO John P.

(57) Abstract:

The disclosed subject matter provides certain N-substituted hydroxylamine derivative compounds, pharmaceutical compositions and kits comprising such compounds, and methods of using such compounds or pharmaceutical compositions. In particular, the disclosed subject matter provides methods of using such compounds or pharmaceutical compositions for treating, preventing, or delaying the onset and/or development of a disease or condition. In some embodiments, the disease or condition is selected from cardiovascular diseases, ischemia, reperfusion injury, cancerous disease, pulmonary hypertension and conditions responsive to nitroxyl therapy.

No. of Pages: 81 No. of Claims: 24

(22) Date of filing of Application :06/08/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR PERFORMING PAGING FOR DOWNLINK DATA FOR MACHINE TO MACHINE 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</li> <li>Filing Date</li> </ul>		(71)Name of Applicant:  1)INTERDIGITAL PATENT HOLDINGS INC. Address of Applicant: 200 Bellevue Parkway Suite 300 Wilmington Delaware 19809 U.S.A. (72)Name of Inventor:  1)MURIAS Royald C.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:07/02/2012 :WO 2012/109257 :NA :NA	1)MURIAS Ronald G. 2)WANG Lei
Filing Date	:NA	

### (57) Abstract:

A method and apparatus for paging downlink (DL) data to one or more Machine to Machine (M2M) devices. The paging may be performed with network re entry or with a delayed network re entry. Further the paging may be individual device paging or paging for a group of devices.

No. of Pages: 26 No. of Claims: 15

(21) Application No.6980/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/08/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : A MAGNETIC ALLOY HAVING A COMPOSITION REPRESENTED BY THE GENERAL FORMULA (2) AND MAGNETIC PART THEREOF

 (51) International classification
 :C22C45/02, H01F1/153

 (31) Priority Document No
 :2005-270432

 (32) Priority Date
 :16/09/2005

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2006/318540 Filing Date :19/09/2006

(87) International Publication No :WO/2007/032531

(61) Patent of Addition to Application
Number
:NA
:NA

Filing Date

(62) Divisional to Application Number

:2251/DELNP/2008

Filed on :17/03/2008

(71)Name of Applicant:
1)HITACHI METALS LTD

Address of Applicant :2-1, Shibaura 1-chome, Minato-Ku,

Tokyo, Japan Japan (72)Name of Inventor:

1)MOTOKI OHTA

2)YOSHIHITO YOSHIZAWA

### (57) Abstract:

A magnetic alloy having a composition represented by the general formula of Feioo-x-yCuxBy (atomic %), wherein x and y are numbers meeting the conditions of 0.1 < x < 3, and 10 < y < 20, or the general formula of Feioo-x-y-zCuxByXz (atomic %), wherein X is at least one element selected from the group consisting of Si, S, C, P, Al, Ge, Ga and Be, and x, y and z are numbers meeting the conditions of 0.1 < x < 3, 10 < y < 20, 0 < z < 10, and 10 < y + z < 24), the magnetic alloy having a structure containing crystal grains having an average diameter of 60 nm or less in an amorphous matrix, and a saturation magnetic flux density of 1.7 T or more.

No. of Pages: 58 No. of Claims: 5

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHODS FOR DIAGNOSIS AND THERAPEUTIC FOLLOW UP OF MUSCULAR DYSTROPHIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12Q 1/68 :1161862 :16/12/2011 :France :PCT/EP2012/075665 :14/12/2012 :WO 2013/087907 :NA :NA :NA	(71)Name of Applicant:  1)GENETHON  Address of Applicant: 1 bis rue de lInternationale F 91000  Evry France  2)ASSOCIATION INSTITUT DE MYOLOGIE  (72)Name of Inventor:  1)JEANSON LEH Laurence  2)ISRAELI David  3)AMOR Fatima  4)VOIT Thomas
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### (57) Abstract:

The invention relates to the diagnosis the follow up and the evaluation of the efficacy of a treatment of a muscular dystrophy by detection of microRNA in a body fluid in particular in the urine.

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

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MELANIN MODIFICATION COMPOSITIONS AND METHODS OF USE

(51) International classification	:A61K31/11,A61K8/18	(71)Name of Applicant:
(31) Priority Document No	:61/430923	1)ALLERGAN INC.
(32) Priority Date	:07/01/2011	Address of Applicant :2525 Dupont Drive T2 7H Irvine CA
(33) Name of priority country	:U.S.A.	92612 U.S.A.
(86) International Application No	:PCT/US2012/020550	(72)Name of Inventor:
Filing Date	:06/01/2012	1)MEHTA Rahul C.
(87) International Publication No	:WO 2012/094638	2)MAKINO Elizabeth Tsin Ho
(61) Patent of Addition to Application	:NA	3)SONTI Sujatha D.
Number	:NA	4)GARRUTO John A.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for the modification of melanin distribution, and the composition thereof to modify melanin distribution are disclosed. A method for the reduction of melanin distribution, and the composition thereof to reduce melanin distribution are disclosed. A representative composition comprises 4-ethoxybenzaldehyde and one or more additional active agent. s as well as a pharmaceutically acceptable carrier or excipient. Carriers and excipients may be formulated for topical administration. Compositions may also be formaulated for transdermal administration. The compositions may be used for the prevention and treatment of pigmentation disorders, by way of non-limited example, post-inflammatory hyperpigmentation and others. The compositions may be used for lightening skin.

No. of Pages: 136 No. of Claims: 71

(21) Application No.6365/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :29/07/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention: ANTI PHOSPHOLIPASE D4 ANTIBODY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K 16/40 :2012018266 :31/01/2012 :Japan :PCT/JP2013/052781 :31/01/2013 :WO 2013/115410 :NA :NA	(71)Name of Applicant:  1)SBI BIOTECH CO. LTD.  Address of Applicant: 1 6 1 Roppongi Minato ku Tokyo 1066018 Japan (72)Name of Inventor:  1)CHO Minkwon  2)YAMAZAKI Tomohide 3)ENDO Mayuki 4)ISHIDA Koji
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## (57) Abstract:

A monoclonal antibody that binds to a phospholipase D4 (PLD4) protein or a fragment containing an antigen binding region thereof.

No. of Pages: 194 No. of Claims: 43

(22) Date of filing of Application :06/08/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention : SUBSTITUTED 3 (BIPHENYL 3 YL) 8 8 DIFLUORO HYDROXY 1 AZASPIRO[4.5]DEC 3 EN 2 ONES FOR THERAPY AND HALOGEN SUBSTITUTED SPIROCYCLIC KETOENOLS

(51) International classification :C07D209/54,A01N43/38

(31) Priority Document No :11154805.3 (32) Priority Date :17/02/2011 (33) Name of priority country :EPO

(86) International Application No :PCT/EP2012/052521

Filing Date :14/02/2012

(87) International Publication No :WO 2012/110519

(61) Patent of Addition to Application
Number

Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Strasse 10 40789

Monheim Germany

(72)Name of Inventor:

1)BRETSCHNEIDER Thomas

2)FISCHER Reiner

8) VOERSTE Arnd

3)LEHR Stefan

4)GATZWEILER Elmar 5)G-RGENS Ulrich 6)H,,USER HAHN Isolde 7)HEINEMANN Ines

### (57) Abstract:

The invention relates to novel compounds of formula (I), in which W, X, Y, Z, A, B, D, and G have the meanings specified above, to a plurality of methods and intermediate products for producing same, and to the use thereof as pest control agents and/or herbicides and/or fungicides. The invention further relates to selectively herbicidal agents, which contain halogen-substituted spirocyclic ketoneols and to a compound that improves compatibility with cultivated plants. The invention further relates to the heightening of the effect of plant protection agents containing in particular halogen-substituted spirocyclic ketoenols by adding ammonium salts or phosphonium salts and possibly penetration enhancers, to the corresponding agents, to methods for producing same, and to the use thereof in plant protection as pest control agents and/or fungicides and/or to prevent undesired plant growth. The invention further relates to substituted 3-(biphenyl-3-yl)-8,8-difluoro-hydroxy-1-azaspiro[4.5]dec-3-en-2-ones of formula (Ia) for therapeutic purposes, to pharmaceutical agents, and to the use thereof in treatment, in particular for the prophylaxis and treatment of tumor diseases.

No. of Pages: 232 No. of Claims: 24

(21) Application No.6999/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: IMPROVED INSECTICIDE FORMULATIONS

(51) International

:A01N25/26,A01N59/26,A01P7/04

classification

(31) Priority Document No :61/442003

(32) Priority Date

:11/02/2011 (33) Name of priority country: U.S.A.

(86) International Application

:PCT/US2012/024597

:10/02/2012 Filing Date

(87) International Publication

:WO 2012/109513

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)DOW AGROSCIENCES LLC

Address of Applicant: 9330 Zionsville Road Indianapolis

Indiana 46268 U.S.A. (72)Name of Inventor:

1) WUJEK Dennis G.

2)BOUCHER Raymond E.

3)LOGAN Martin C.

4) WILSON Stephen L.

5)LI Mei

6)AULISA Lorenzo

(57) Abstract:

Insecticide formulations having improved chemical and physical stability and related methods are disclosed. The insecticide formulations may include a plurality of microcapsules each including at least one organophosphate insecticide (e.g. chlorpyrifos methyl) at least partially surrounded by a polymer shell. The insecticide formulations may be used to control insect populations by singular or periodic applications. The microcapsule polymer shell of the insecticide formulations may be formed by combining a cross linking amine and a hydrophobic monomer (e.g. an isocyanate) at a molar ratio of amine to isocyanate groups of less than about 1:1.

No. of Pages: 27 No. of Claims: 29

(22) Date of filing of Application :20/02/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : APPARATUS FOR MANUFACTURING AN INTEGRAL ROTOR WITH EQUIAXED GRAINED HUB AND COLUMNAR GRAINED BLADES, AND METHOD THEREOF

(51) International classification	:H02N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)THE DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION (DRDO)
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Government of
(86) International Application No	:NA	India, Room No. 348, B-wing, DRDO Bhawan, Rajaji Marg, New
Filing Date	:NA	Delhi-110105, India. Haryana India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NIRANJAN DAS
Filing Date	:NA	2)NAZIMUDDIN HAZARI
(62) Divisional to Application Number	:NA	3)DIBYENDU CHATERJEE
Filing Date	:NA	

### (57) Abstract:

The present disclosure relates to an apparatus and a method of manufacturing an integral rotor. The apparatus is a casting furnace having a top chamber and a bottom chamber, wherein the shell mould is disposed within the bottom chamber. During operation, the shell mould is moved up into the top chamber by a linear actuator and pre-heated up to a predetermined temperature. The shell mould is then moved down by the linear actuator into the bottom chamber and the molten metal is poured into the shell mould where the cooling process begins. The bottom chamber comprising a chill block induces solidification process resulting in columnar grained structures in the blades of the rotor. Before the solidification process further progress, a rotary shaft coaxially placed with the linear actuator begins rotating alternately in clockwise and counter clockwise direction to induce churning action on the molten metal and form equiaxed grain structures in the hub. FIG. 2

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

(21) Application No.5401/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/06/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: METHOD FOR POWER CONTROL OF CONSUMERS

(51) International :F02D41/14,F02P19/02,H02M3/158 classification

(31) Priority Document No :10 2011 003 032.8

(32) Priority Date :24/01/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2011/074070 No

:27/12/2011 Filing Date

(87) International Publication: WO 2012/100892

(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)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72) Name of Inventor: 1)FAUTZ Oliver

2)WEISSENMAYER Simon

# (57) Abstract:

The invention relates to a method and a system for the power control of electric consumers (34, 36). The consumers (34, 36) are mounted in series in a circuit arrangement (30) a branch line (52) being connected in at least one connection (50) between two consumers (34, 36) each said branch line being switched to the mains voltage (46) and/or ground (48) by means of an associated switch system that comprises at least one switch (38, 40, 42, 44) so as to increase power.

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

(21) Application No.555/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :27/02/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : REACTIVE POWER SHARING CONTROLLER AND CONTROL METHOD, AND POWER GENERATING SYSTEM USING THE CONTROLLER

(51) International classification	:D06F	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)HITACHI, LTD.
(31) I Hority Document ivo	065392	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:27/03/2013	CHIYODA-KU, TOKYO 100-8280, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)FANNY MATTHEY
Filing Date	:NA	2)TETSUHARU OHYA
(87) International Publication No	: NA	3)YUICHI NAGAYAMA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A power generating system comprises: a power 5 generating device using renewable energy; a first inverter connected to the power generating device; a battery; a second inverter connected to the battery; and a controller, wherein: the first inverter and the second inverter are connected at a point of common coupling; and 10 the controller controls power provided to a load via the point of common coupling. The controller changes a ratio of reactive power output from the first inverter and reactive power output from the second inverter.

No. of Pages: 34 No. of Claims: 12

(21) Application No.6722/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: POWDER COATING

(51) International :C08G59/42,C09D5/03,C09D163/00 classification

(31) Priority Document No :11154396.3 (32) Priority Date :14/02/2011

(33) Name of priority country: EPO

(86) International :PCT/EP2012/052404

Application No :13/02/2012 Filing Date

(87) International Publication :WO 2012/110451

(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)JOTUN POWDER COATINGS (N) AS

Address of Applicant : P.O. Box 2130 Stubber d N 3255

Larvik Norway

(72)Name of Inventor:

1) PSTAD Christer Lorentz

2)KARSLEN Bj.rn 3)HOFF Helge

(57) Abstract:

A particulate coating composition preferably a powder coating composition comprising at least one epoxy containing compound at least one polycarboxyl polymer at least one organic Lewis acid and at least one organic Lewis base.

No. of Pages: 38 No. of Claims: 17

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: APPARATUS FOR INDUCING FLOW IN A MOLTEN MATERIAL

(51) International classification :F27B3/19,F27D27/00,C21C5/52 (71)Name of Applicant: (31) Priority Document No :1103986.4

(32) Priority Date :09/03/2011 (33) Name of priority country :U.K.

(86) International Application :PCT/GB2012/050435

No :27/02/2012 Filing Date

(87) International Publication No:WO 2012/120276

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SOLIOS THERMAL LTD

Address of Applicant: Heath Brook House Heath Mill Road Wombourne Wolverhampton West Midlands WV5 8AP U.K.

(72)Name of Inventor: 1)GUEST Graham

### (57) Abstract:

The apparatus includes a furnace having a furnace chamber (14) a port (16) in fluid communication with the furnace chamber having an inclined lower wall (18) and a bi directional induction unit (24) mounted to the inclined lower wall for inducing flow in molten material in the port. A retractable channel plate assembly (26) is selectively positionable in the port to define an extraction flow channel (28) for the molten material between the channel plate assembly and the inclined lower wall. A drive arrangement (64) moves the channel plate assembly into and out of the port and the control of a control system (74) which includes a sensor system (78) for measuring the level of the molten material in the port and a feedback system for providing information regarding the position of the channel plate assembly. A method of operating the apparatus is also disclosed.

No. of Pages: 30 No. of Claims: 27

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INLET MANIFOLD FOR AN INKJET PRINTHEAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B41J2/06 :10197339.4 :30/12/2010 :EPO :PCT/EP2011/073314 :20/12/2011 :WO 2012/089549 :NA :NA	(71)Name of Applicant:  1)TONEJET LIMITED  Address of Applicant: Melbourn Science Park Cambridge Road Melbourn Royston Hertfordshire SG8 6EE U.K. (72)Name of Inventor:  1)BACON Robin Timothy 2)INGHAM Ian Butler Philip
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An ink manifold for an inkjet printhead is provided comprising a number of substantially parallel transverse channels 709,713 connected by one or more connecting passages 719. The resistance to flow provided by the connecting passages is substantially greater than the resistance to flow along the length of a transverse channel. The ink manifold provided by the present invention ensures that the ink pressure and flow rate presented to the ejectors of the printhead is uniform along the entire length of the ejector array and moreover does so in a shallower manifold design than has previously been known.

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

(21) Application No.6706/DELNP/2014 A

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

(19) INDIA

(22) Date of filing of Application :09/08/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention: NANOPARTICLE PERMANENT MAGNET MOTOR AND GENERATOR

:H01F1/06,H01F1/00,H01F1/08 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2012 204 083.8

(32) Priority Date :15/03/2012

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2013/052659 Filing Date :11/02/2013

(87) International Publication No :WO 2013/135446

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

Germany (72)Name of Inventor: 1)RIEGER Gotthard

(57) Abstract:

Filing Date

The nanoparticle (5) has at least one elongated core (10) which is made of at least one first magnetizable and/or magnetic material and a shell (20) which surrounds the core and which is made of at least one second magnetocrystalline anisotropic material. The permanent magnet (40) comprises a plurality (30) of such nanoparticles. The motor or generator (60) has at least one such permanent magnet (40).

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

(21) Application No.671/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :10/03/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A CENTRIFUGAL 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>	UNION :NA :NA : NA :NA :NA :NA	(71)Name of Applicant:  1)SULZER PUMPEN AG  Address of Applicant: Neuwiesenstrasse 15, 8401 Winterthur, Switzerland Switzerland (72)Name of Inventor:  1)HEIKKI MANNINEN
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a novel bearing arrangement for a centrifugal pump. The bearing arrangement comprises a thrust bearing (50) arranged closer to the end (42TM) of the shaft (42) carrying the rotor (44), the thrust bearing (50) being selectable between a four-point contact ball bearing for heavy-duty applications and a single row contact ball bearing for light-duty applications

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHODS AND COMPONENTS FOR THERMAL ENERGY STORAGE

:F28D20/00,C09K5/16 (71)Name of Applicant : (51) International classification 1)TECHNOLOGY FOR RENEWABLE ENERGY (31) Priority Document No :1101337.2 (32) Priority Date :26/01/2011 SYSTEMS (TFRES) BVBA (33) Name of priority country :U.K. Address of Applicant :Rembrandtstraat 27 B 2018 Antwerpen (86) International Application No :PCT/EP2012/051025 Belgium Filing Date :24/01/2012 2)UNIVERSITEIT GENT (87) International Publication No :WO 2012/101110 (72) Name of Inventor: (61) Patent of Addition to Application 1)DUCHEYNE Wouter :NA Number 2)STEVENS Christian :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

This invention relates generally a method of thermal energy storage or heat pump using reversible chemical reactions. Within a reversible cycle inorganic oxoacid compounds and/or their salts oxoacids of either nitrogen sulfur or phosphorus or its corresponding salt are hydrolysed and condensed or polymerized in order to release and capture heat. It is accordingly a first aspect of the present invention to provide the use of inorganic esters in a method of thermal energy storage in particular using inorganic phosphoric acids and/or their salts. The invention further provides a method to store thermal energy said method comprising polymerization of the inorganic oxoacids using an external heat source. In a further aspect the invention provides a method to release thermal energy from said heat storage comprising an exothermic hydrolysation step of the inorganic oxoacids and/or its salt. If no cooling takes place between polymerization and the hydrolyzing step one can create a heat pump. Such a heat pump might be extremely useful to upgrade waste heat from industry to a higher more valuable level. Using the methods and components of the present invention it is possible to store thermal energy at ambient circumstances in a transportable medium. As a consequence it allows converting a continuous heat generation process into a discontinuous and even dislocated consumption.

No. of Pages: 71 No. of Claims: 16

(22) Date of filing of Application :06/08/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention : NUCLEIC ACID MOLECULES ENCODING NOVEL HERPES ANTIGENS VACCINE COMPRISING THE SAME AND METHODS OF 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K48/00 :61/438089 :31/01/2011 :U.S.A. :PCT/US2012/023398 :31/01/2012 :WO 2012/106377 :NA :NA :NA	(71)Name of Applicant:  1)THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  Address of Applicant: 3160 Chestnut Street Suite 200 Philadelphia Pennsylvania 19104 6283 U.S.A. (72)Name of Inventor:  1)WEINER David B  2)SHEDLOCK Devon J
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#### (57) Abstract:

Provided herein are nucleic acid sequences that encode novel consensus amino acid sequences of herpes virus antigens as well as genetic constructs/vectors and vaccines expressing the sequences. Also provided herein are methods for generating an immune response against herpes virus using the vaccines that are provided.

No. of Pages: 262 No. of Claims: 22

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DISTAL CAPTURE DEVICE FOR A SELF-EXPANDING STENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02M :13/799,437 :13/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country (86) International Application No	:U.S.A. :NA	RAYNHAM, MA 02767 USA U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)ROBERT SLAZAS
(87) International Publication No	: NA	2)JUAN A. LORENZO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A delivery system including a distal capture device that has a sleeve with a passageway defined axially therethrough and one or more elastically deformable sections. Each of the 5 one or more elastically deformable sections has a free terminating end and an opposite end moimted to the distal end of the sleeve. The elastically deformable sections transition between: (i) a fully expanded state in which the elastically deformable section is distally biased in a direction away from the sleeve; and (ii) a retracted state in which the free terminating end of each of the elastically deformable sections is proximally 10 deflected backwards over itself in a direction toward the proximal end of the sleeve.

No. of Pages: 20 No. of Claims: 17

(21) Application No.5947/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/07/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: SHIELD CONDUCTOR

(51) International classification :H01B7/17,H01B7/20,H02G3/04 (71)Name of Applicant :

(31) Priority Document No :2011040217 (32) Priority Date :25/02/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/054214

No

:22/02/2012 Filing Date

(87) International Publication No: WO 2012/115130

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)AUTONETWORKS TECHNOLOGIES LTD.

Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi

Mie 5108503 Japan

2)SUMITOMO WIRING SYSTEMS LTD.

3)SUMITOMO ELECTRIC INDUSTRIES LTD.

(72)Name of Inventor:

1)AOYAMA Naoki

2)KUWAHARA Masanori

3)SONODA Fujio 4)ITANI Yasushi

5)SUGIMOTO Yoshinori 6)IZAWA Katsutoshi

# (57) Abstract:

A shield conductor (10) includes: an electric wire (11); a metal pipe (15); and a cylindrical protector (20) covering an area from an end portion of the metal pipe (15) to an end portion of a case (16). The protector (20) includes: a cylindrical outer cover portion (21) which is made of a flexible insulator and arranged from a first connection portion (23A) connected to the metal pipe (15) to a second connection portion (23B) connected to the case (16); and a flexible shield member (23) which is made of a conductive material cylindrically formed along the inner surface of the outer cover portion (21) and integrally held by the outer cover portion (21). The shield member (23) is electrically connected to the metal pipe (15) at the first connection portion (23A) and to the case (16) at the second connection portion (23B).

No. of Pages: 44 No. of Claims: 6

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BOILER PROVIDED WITH EXTERNAL STEAM HEATER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F22G 7/12 :201310060937.3 :27/02/2013 :China :PCT/CN2013/082337 :27/08/2013 :WO 2014/131272 :NA :NA	(71)Name of Applicant:  1)SHANGHAI BOILER WORKS CO. LTD. Address of Applicant: No.250 Huaning Road Minhang Shanghai 200245 China (72)Name of Inventor: 1)GUO Qinqin 2)DONG Shihong
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A boiler provided with an external steam heater comprises a hearth (1) which is connected with a rear flue (2). A partition wall (5) in the middle of the rear flue (2) divides the rear flue (2) into a front rear flue (3) and a back rear flue (4). A first heat absorbing surface (6) is provided in the front rear flue (3) and a first smoke regulating baffle (8) is provided below the first heat absorbing surface (6). A second heat absorbing surface (7) is provided in the back rear flue (4) and a second smoke regulating baffle (9) is provided below the second heat absorbing surface (7). The boiler is characterized in that a heat absorbing surface of the external steam heater is only provided in the first heat absorbing surface or the second heat absorbing surface. The external steam heater comprises an external steam heater inlet header (13) and an external steam heater outlet header (14) and the external steam heater inlet header (13) and the external steam heater outlet header (14) are respectively connected with two ends of the heat absorbing surface of the external steam heater. The boiler has a simple structure and small occupation area reduces the cost and has good regulation performance.

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

(21) Application No.7027/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: PROCESS FOR CIS-1-CHLORO-3,3,3,TRIFLUOROPROPENE

(51) International

:C07C21/04,C07C21/18,C07C19/10

classification

(31) Priority Document No :13/030789

(32) Priority Date

:18/02/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/025537

Filing Date

:17/02/2012

(87) International Publication :WO 2012/112827

(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)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)NAIR Haridasan K.

2)POSS Andrew Joseph

3)SINGH Rajiv Ratna 4)VAN DER PUY Michael

5)HULSE Ryan J.

(57) Abstract:

Disclosed is a process for making one isomer of CF3CH=CHC1. More particularly, the invention comprises the production of CF C°CC1 and its selective reduction to cis-l-chloro-3,3,3-trifluoropropene (CF CH=CHC1).

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

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR DESILICONIZING AND DEPHOSPHORIZING HOT METAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:2011027338 :10/02/2011 :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)MUKAWA Susumu 2)MATSUMOTO Hiroshi 3)NAKAJIMA Tsuyoshi 4)FUKIAGE Kazunori 5)TASAKI Tomoaki
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#### (57) Abstract:

This method for desiliconizing and dephosphorizing hot metal comprises: an oxygen gas blowing step wherein an oxygen gas is blown toward the surface of hot metal from above the furnace; a recycle slag addition step wherein decarburization slag and/or secondary refining slag is supplied toward the surface of the hot metal; and a finely powdered calcined lime addition step wherein finely powdered calcined lime having a maximum particle diameter of  $500 \, \mu m$  or less is supplied so as to accompany the oxygen gas blown toward the surface of the hot metal. The finely powdered calcined lime addition step is started at the time when the silicon concentration in the hot metal has decreased to the range of 0-0.15% by mass (inclusive).

No. of Pages: 58 No. of Claims: 9

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF PHENYL SUBSTITUTED 3 DIFLUOROMETHYL 1 METHYL 1H PYRAZOLE 4 CARBOXYLIC N METHOXY [1 METHYL 2 PHENYLETHYL] AMIDES

(51) International classification	:C07D 231/14	(71)Name of Applicant :
(31) Priority Document No	:12157354.7	1)SYNGENTA PARTICIPATIONS AG
(32) Priority Date	:28/02/2012	Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/053773	(72)Name of Inventor:
Filing Date	:26/02/2013	1)STIERLI Daniel
(87) International Publication No	:WO 2013/127764	2)WALTER Harald
(61) Patent of Addition to Application	:NA	3)ROMMEL Michael
Number	:NA	4)HANREICH Reinhard Georg
Filing Date	.INA	5)ZELLER Martin
(62) Divisional to Application Number	:NA	6)VETTIGER Thomas
Filing Date	:NA	7)SMEJKAL Tomas

#### (57) Abstract:

The invention relates to a process for the preparation of a compound of formula (I) wherein R R and R are as defined in claim 1 which process comprises a) adding a compound of formula (II) in the presence of an inert organic solvent to a mixture comprising an organic nitrite of formula (III) (R O N=O (III)) wherein R is C Calkyl a compound of formula (IV) and an inert organic solvent; b) reacting the resulting compound of formula (V) with HN O CH to the compound of formula (VII) c) reducing the compound of formula (VIII) d) and reacting the compound of formula VIII with a compound of formula (IX) in which R is halogen hydroxy or C alkoxy to the compound of formula (I).

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

(21) Application No.6419/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DRUG DELIVERY APPARATUS

(51) International classification	:A61M 39/14	(71)Name of Applicant:
(31) Priority Document No	:1202091.3	1)RENISHAW (IRELAND) LIMITED
(32) Priority Date	:07/02/2012	Address of Applicant :Swords Business Park Swords Ireland
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/052458	1)WOOLLEY Maxwell Roy
Filing Date	:07/02/2013	2)MCMURTRY David Roberts
(87) International Publication No	:WO 2013/117659	3)GILL Steven Streatfield
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Percutaneous access apparatus (12) is described that comprises a percutaneous fluid access device (100) having an extracorporeal portion (106) one or more ports (120) accessible from the extracorporeal portion and a septum (122) for sealing each port. A connector device (130) comprising one or more hollow needles (182) is attachable to the percutaneous fluid access device. The apparatus also includes an attachment mechanism (132) for attaching the connector device (130) to the extracorporeal portion (106) and an actuation mechanism that after the connector device (130) has been attached to the extracorporeal portion (106) can be used to drive the one or more hollow needles (182) through the septum (122) to establish fluid communication between the one or more hollow needles (182) and the one or more ports (120). The apparatus may be used for neurosurgery applications.

No. of Pages: 48 No. of Claims: 15

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING AN EXTRACORPOREAL BLOOD TREATMENT 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>	:A61M1/16,A61M1/34 :10 2011 010 067.9 :01/02/2011 :Germany :PCT/EP2012/000292 :24/01/2012 :WO 2012/104026 :NA :NA	(71)Name of Applicant:  1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant: Else Krner Strasse 1 61352 Bad Homburg v.d.H. Germany (72)Name of Inventor:  1)BREUEL Lars 2)LINDNER Thomas 3)BEDEN Josef 4)HERKLOTZ Martin 5)VERCH Georg
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method and a device for controlling an extracorporeal blood treatment apparatus, which can be operated in particular as a haemodialysis apparatus, a haemofiltration e apparatus or a haemodiafiltration apparatus. For the control of the pumps, the method according to the invention and the device according to the invention make provision, apart from balancing the fluids as a function of the weights of the containers, for the measurement of the weight reduction or weight increase of at least one of the containers in the time interval in which the pump assigned to the respective container performs a preset number of revolutions or pump strokes. For example, the change in the weight of the container for a half or one pump revolution can be determined. The delivery rate of the respective pump is ascertained from the measured weight reduction or weight increase in the specific time interval. The ascertainment of the weight reduction or increase per unit of time permits the precise determination of the actual delivery rate of one or more pumps. The actual delivery rates of all the pumps are preferably monitored.

No. of Pages: 28 No. of Claims: 19

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : SLIDING COMPONENT COATED WITH METAL COMPRISING CARBON LAYER FOR IMPROVING WEAR AND FRICTION BEHAVIOR BY TRIBOLOGICAL APPLICATIONS UNDER LUBRICATED CONDITIONS

(51) International classification	:C23C14/06	(71)Name of Applicant:
(31) Priority Document No	:61/448334	1)OERLIKON TRADING AG TRBBACH
(32) Priority Date	:02/03/2011	Address of Applicant :Hauptstrasse 53 CH 9477 Tr ¹ / ₄ bbach
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/EP2012/000893	(72)Name of Inventor:
Filing Date	:01/03/2012	1)BECKER J ¹ / ₄ rgen
(87) International Publication No	:WO 2012/116818	2)GRISCHKE Martin
(61) Patent of Addition to Application	:NA	3)GIES Astrid
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a coating for sliding parts that allows using diamond like carbon (DLC) or DLCcomprising coatings in combination with Molybdenum- and/or Zinc-comprising lubricants in such a manner that enhanced reduction of wear and friction in comparison to the state of the art is attained. The coating system according to the present invention comprises at least a metal-comprising carbon layer of the type Me-C/a)-C:X, whose element composition can be expressed as (Me a Ci-J i-b X b with 0.3 < a < 0.6 and 0 < b < 0.3, where Me is a metal or a combination of different metals and X is an element different from Me and different from C or X is a mixture of elements different from Me and which doesnt contain C. Me can be preferably Chromium (Cr) or Molybdenum (Mo) and X can be preferably hydrogen (H) or a mixture of silicon and hydrogen (Si + H).

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

(21) Application No.6286/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SUPERCONDUCTORS AND METHODS OF MANUFACTURING THE SAME

(51) International classification	:H01B12/00,H01B1/00	(71)Name of Applicant:
(31) Priority Document No	:201010602798.9	1)NG Sze Kui
(32) Priority Date	:23/12/2010	Address of Applicant :Flat E 12/F Kam Wo Building 46 Lok
(33) Name of priority country	:China	Shan Road To Kwa Wan Kowloon Hong Kong China
(86) International Application No	:PCT/IB2011/055829	(72)Name of Inventor:
Filing Date	:20/12/2011	1)NG Sze Kui
(87) International Publication No	:WO 2012/093303	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method of manufacturing superconductors with critical temperature Tc>300K is disclosed. This method is from a theory of high-Tc superconductivity wherein the doping mechanism of superconductivity is found. A kind of superconductors composed by this method is the A1B2-type superconductors obtained by doping A1B2-type intermetallics such as Sr(1-x)Ca(x)Ga2. Another kind of superconductors composed by this method is the CaCu5-type superconductors obtained by CaCu5-type intermetallics such as L(1-x)A(x)Cu5, LCu(5(1-x))Ni(5x) (A=Ca, Sr; L=La, Y, Mm), Sr(1-x)Ca(x)Cu5, La(1-x)Sr(x(1-y)Ca(xy)Cu5. In particular the CaCu5-type intermetallics LaNi5 and MmNi5 are superconductors with critical temperature Tc>300K. These CaCu5-type superconductors are with high critical current densities and thus are applicable for the transmission of electricity.

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

(21) Application No.6434/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : POLYPROPYLENE HOMOPOLYMERS WITH HIGH HEAT DEFLECTION TEMPERATURE HIGH STIFFNESS AND FLOWABILITY

<ul> <li>(51) International classification</li> <li>(31) 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>	:C08F10/06 :11003388.3 :21/04/2011 :EPO :PCT/EP2011/005368 :24/10/2011	(71)Name of Applicant:  1)BOREALIS AG  Address of Applicant :IZD Tower Wagramerstrasse 17 19 A 1220 Wien Austria (72)Name of Inventor:  1)KOCK Cornelia
<ul> <li>(87) International Publication No</li> <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>	:WO 2012/143023 :NA :NA :NA :NA	2)DOSHEV Petar

# (57) Abstract:

The invention relates to a polypropylene composition showing a high melt flow rate and simultaneously high stiffness and a process for the production thereof. The invention further relates to a material comprising the inventive polypropylene.

No. of Pages: 37 No. of Claims: 19

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SCREEN PRINTING PLATE FOR SOLAR CELL AND METHOD FOR PRINTING SOLAR CELL ELECTRODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:2011017886 :31/01/2011 :Japan :PCT/JP2012/051488 :25/01/2012 :WO 2012/105381 :NA	(71)Name of Applicant:  1)Shin Etsu Chemical Co. Ltd. Address of Applicant: 6 1 Ohtemachi 2 chome Chiyoda ku Tokyo 1000004 Japan (72)Name of Inventor: 1)ENDO Yoko 2)MITTA Ryo 3)WATABE Takenori 4)OTSUKA Hiroyuki
	:NA :NA	· ·
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to screen printing plate for a solar cell in which an electroconductive paste is used to simultaneously print a bus bar electrode and a finger electrode the screen printing plate characterized in that the opening width of a finger electrode opening of the screen printing plate is less than  $80~\mu m$  and a bus bar electrode opening of the screen printing plate has a closed section. The use of this screen printing plate makes it possible to reduce the cost of manufacturing solar cells prevent the connecting section between the bus bar electrode and the finger electrode from breaking without causing an increase in shadow loss or compromising the aesthetic quality of the solar cells and manufacture highly reliable solar cells with good productivity.

No. of Pages: 26 No. of Claims: 4

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMPOSITIONS COMPRISING MIXTURES OF C10 C13 ALKYLPHENYL SULFONATES

(51) International classification	:C11D1/22,A61K8/46	(71)Name of Applicant:
(31) Priority Document No	:61/444007	1)THE PROCTER & GAMBLE COMPANY
(32) Priority Date	:17/02/2011	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/US2012/025430	(72)Name of Inventor:
Filing Date	:16/02/2012	1)SCHEIBEL Jeffrey John
(87) International Publication No	:WO 2012/138423	2)GREEN Phillip Richard
(61) Patent of Addition to Application	:NA	3)DIHORA Jiten Odhavji
Number	:NA	4)VINSON Phillip Kyle
Filing Date	.IVA	5)URBIN Stephanie Ann
(62) Divisional to Application Number	:NA	6)COLLIAS Dimitris Ioannis
Filing Date	:NA	

#### (57) Abstract:

The invention is directed to mixtures comprising C10-C13 alkylphenyl sulfonates having alkyl groups in a particular distribution (e.g., bimodal, peaked, and skewed). These C10-C13 alkylphenyl sulfonates are optionally renewable and unexpectedly provide superior results when used in consumer product cleaning and personal care compositions (e.g., dishcare, laundry, hard surface cleaners, shampoos, conditioners, and soaps). The invention is further directed to a method of making a mixture of partially or wholly renewable C10-C13 alkylphenyl sulfonates having a particular alkyl group distribution.

No. of Pages: 113 No. of Claims: 8

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BIO BASED LINEAR ALKYLPHENYL SULFONATES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority</li></ul>	:C07C303/08,C07C309/31,C07C6/04 :61/443981 :17/02/2011	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY  Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A.  (72)Name of Inventor:
country	:U.S.A.	1)GREEN Phillip Richard
(86) International Application No Filing Date	:PCT/US2012/025540 :17/02/2012	2)SCHEIBEL Jeffrey John 3)COLLIAS DimitrisIoannis
(87) International Publication No	:WO 2012/112828	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention is directed to mixtures comprising C10-C14 linear alkylphenyl sulfonates with alkyl groups having a biobased content of at least 50%. These C10-C14 linear alkylphenyl sulfonates are used in consumer product cleaning and personal care compositions (e.g., dishcare, laundry, hard surface cleaners, shampoos, conditioners, and soaps). The invention is further directed to a method of making a mixture of partially or wholly bio-based C10-C14 linear alkylphenyl sulfonates with alkyl groups having a particular bio-based content.

No. of Pages: 82 No. of Claims: 2

(21) Application No.4722/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/06/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: QUICK START-UP OF WIND TURBINE GENERATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 7/04 :PA 2011 70726 :19/12/2011 :Denmark :PCT/DK2012/050469 :14/12/2012 :WO 2013/091641 :NA :NA	(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)TRIPATHI Anshuman 2)YU Weifu 3)KARUPPANAN Yugarajan
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#### (57) Abstract:

A wind farm (100,200) is provided that is capable of quickly starting up without delay after an electrical grid becomes available after an outage. According to one embodiment the wind farm (100, 200) comprises one or more main WTGs (110) and an auxiliary WTG (130) having a substantially lower start up energy requirement than the one or more main WTGs (110). The auxiliary WTG (130) is coupled to supply power to the one or more main WTGs (110) to prepare the one or more main WTGs (110) for start up.

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

(21) Application No.5339/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: EROSION RESISTANT COATING COMPOSITIONS

(51) International :C08G18/10,C08G18/42,C09D175/04

classification .C08G18/10,C08G18/42,C09D

(31) Priority Document No :10 2010 055 780.3 (32) Priority Date :23/12/2010

(33) Name of priority country :Germany

(86) International :PCT/EP2011/073965

Application No :23/12/2011

Filing Date :23/12/2011

(87) International Publication No :WO 2012/085276

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)BASF COATINGS GMBH

Address of Applicant: Glasuritstrae 1 48165 M¹/₄nster

Germany

(72)Name of Inventor: 1)KAUNE Martin 2)HOLTERS Bianca

# (57) Abstract:

The invention relates to a composition that contains at least one polyol component containing 3 to 15 wt % OH groups relative to the total weight of the polyol component and at least one isocyanate component containing 5 to 15 wt % isocyanate groups relative to the total weight of the isocyanate component. The polyol component contains at least one polyurethane prepolymer containing OH groups. The isocyanate component contains at least one diisocyanate or polyisocyanate terminated polylactone prepolymer. The composition can be used as an erosion resistant coating agent.

No. of Pages: 38 No. of Claims: 15

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: VACUUM INSULATED DOOR STRUCTURE AND METHOD FOR THE CREATION 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>	:B08B :13/833,696 :15/03/2013 :U.S.A. :NA :NA	Address of Applicant :2000 North M-63 Benton Harbor Michigan 49022 United States of America U.S.A. (72)Name of Inventor:  1)CUR, Nihat
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	: NA : NA :NA :NA	2)WU, Guolian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A vacuum insulated door structure comprises a first wall having a first edge, outer sidewalls that extend from the first edge to a perimetrical lip, a first inner surface and a first outer surface. A second wall has a second inner surface, a second outer surface and a second edge coupled to the perimetrical lip forming a cavity volume. The second wall includes inner sidewalls defining a second wall opening. The inner sidewalls extend to a back wall and define a second wall offset. A tubular member includes a first end coupled to a first conduit opening in the first wall and a second end coupled to a second conduit opening in the second wall offset. A barrier layer is disposed on the first and second walls and the tubular member. A cavity insulation material is disposed within the cavity volume which is hermetically sealed.

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

(22) Date of filing of Application :22/01/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : MANUFACTURE OF ACTIVE HIGHLY PHOSPHORYLATED HUMAN N-ACETYLGALACTOSAMINE-6-SULFATASE AND USES THEREOF

:A61K38/46,C12N9/16 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BIOMARIN PHARMACEUTICAL INC. :61/366714 (32) Priority Date :22/07/2010 Address of Applicant: 105 Digital Drive Novato CA 94949 (33) Name of priority country U.S.A. :U.S.A. (86) International Application No :PCT/US2011/045011 (72) Name of Inventor: Filing Date 1)KOPPAKA Vish :22/07/2011 2) VELLARD Michel Claude (87) International Publication No :WO 2012/012718 (61) Patent of Addition to Application 3)OKHAMAFE Augustus O. :NA Number 4)ARAYA Kidisti :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

This invention provides compositions of active highly phosphorylated human N-acetylgalactosamine-6-sulfatase (GALNS), and pharmaceutical compositions and formulations thereof methods of producing and purifying GALNS, and its use in the diagnosis prophylaxis or treatment of diseases and conditions including particularly lysosomal storage diseases that are caused by or associated with a deficiency in the GALNS enzyme, e.g., Mucopolysaccharidosis rVa (MPS IVa or Morquio A syndrome).

No. of Pages: 156 No. of Claims: 46

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PRESSURE REGULATOR FOR A DIESEL FUEL INJECTION SYSTEM

(51) International classification (31) Priority Document No	:F02M63/00,F02M63/02 :11/00900	(71)Name of Applicant: 1)ROBERT BOSCH GMBH
(32) Priority Date	:25/03/2011	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:France	Germany
(86) International Application No	:PCT/EP2012/052593	(72)Name of Inventor:
Filing Date	:15/02/2012	1)ROCHAS Pierre Marie
(87) International Publication No	:WO 2012/130521	2)AMBLARD Alain
(61) Patent of Addition to Application Number	:NA :NA	3)JULIEN Jean Roch
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates substantially to a pressure regulator for a diesel fuel injection system, to a diesel fuel injection system, preferably to a high-pressure diesel fuel injection system, to a diesel engine provided with such a diesel fuel injection system as well as to a vehicle having such a diesel engine. The pressure regulator comprises an inlet (5) which is connectable to a reservoir of a diesel fuel injection system of a diesel engine, an outlet (7) which is connectable to a low-pressure group, controllable closing means which can be driven by an actuator (13) between a first state in which the inlet (5) and the outlet (7) are hermetically isolated and a second state in which the inlet (5) is connected to the outlet (7), as well as a plurality of spaces (21, 23, 25) arranged on the side of the closing means provided with the outlet I (7). A pressure compensation duct (27, 27.1) is provided, which connects at least two (25, 23; 25, 21; 25, 21, 23) of the above-mentioned spaces (21, 23, 25) to each other.

No. of Pages: 42 No. of Claims: 11

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: HIGH PERFORMANCE INDUCTION PLASMA TORCH

(51) International classification	:H05H1/30,H05H1/28	(71)Name of Applicant :
(31) Priority Document No	:61/439161	1)TEKNA PLASMA SYSTEMS INC.
(32) Priority Date	:03/02/2011	Address of Applicant :2935 boul. Industriel Sherbrooke Qubec
(33) Name of priority country	:U.S.A.	J1L 2T9 Canada
(86) International Application No	:PCT/CA2012/000094	(72)Name of Inventor:
Filing Date	:02/02/2012	1)BOULOS Maher I.
(87) International Publication No	:WO 2012/103639	2)DIGNARD Nicolas
(61) Patent of Addition to Application	:NA	3)AUGER Alexandre
Number	:NA	4)JUREWICZ Jerzy
Filing Date	.11/1	5)THELLEND Sbastien
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An induction plasma torch comprises a tubular torch body a plasma confinement tube disposed in the tubular torch body coaxial therewith a gas distributor head disposed at one end of the plasma confinement tube and structured to supply at least one gaseous substance into the plasma confinement tube; an inductive coupling member for applying energy to the gaseous substance to produce and sustain plasma in the plasma confinement tube and a capacitive shield including a film of conductive material applied to the outer surface of the plasma confinement tube or the inner surface of the tubular torch body. The film of conductive material is segmented into axial strips interconnected at one end. The film of conductive material has a thickness smaller than a skin depth calculated for a frequency of a current supplied to the inductive coupling member and an electrical conductivity of the conductive material of the film. Aaxial grooves can be machined in the outer surface of the plasma confinement tube or the inner surface of the tubular torch body the axial grooves being interposed between the axial strips.

No. of Pages: 35 No. of Claims: 34

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PORTABLE DIALYSIS 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>	:B01D61/28,B01D61/24 :13/023490 :08/02/2011 :U.S.A. :PCT/US2011/053184 :25/09/2011 :WO 2012/108910 :NA :NA :NA	(71)Name of Applicant: 1)FRESENIUS MEDICAL CARE HOLDINGS INC. Address of Applicant:920 Winter Street Waltham MA 02451 1457 U.S.A. (72)Name of Inventor: 1)FULKERSON Barry Neil 2)BRAIG James Roswell 3)MISHELEVICH David J. 4)CLEMENS Charles 5)FOSTER Clark Berg 6)GHIDOLI Daniele 7)GURA Victor 8)HERING Martin 9)ISACKSON Frank 10)JOSEPH Russell Thomas 11)ROBINSON Thomas 12)SMITH Mark Forrest 13)TRCKA Milan 14)ZWIERSTRA Jan Brian
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#### (57) Abstract:

The specification discloses a portable dialysis machine having a detachable controller unit and base unit. The controller unit includes a door having an interior face a housing with a panel where the housing and panel define a recessed region configured to receive the interior face of the door and a manifold receiver fixedly attached to the panel. The base unit has a planar surface for receiving a container of fluid a scale integrated with the planar surface a heater in thermal communication with the planar surface and a sodium sensor in electromagnetic communication with the planar surface. Embodiments of the disclosed portable dialysis system have improved structural and functional features including improved modularity ease of use and safety features.

No. of Pages: 247 No. of Claims: 150

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CABLE CONNECTOR WITH BIASING ELEMENT

(51) International classification	:H01R9/05	(71)Name of Applicant :
(31) Priority Document No	:13/023102	1)BELDEN INC.
(32) Priority Date	:08/02/2011	Address of Applicant :7733 Forsyth Blvd. Suite 800 St. Louis
(33) Name of priority country	:U.S.A.	Missouri 63105 U.S.A.
(86) International Application No	:PCT/US2012/023528	(72)Name of Inventor:
Filing Date	:01/02/2012	1)RODRIGUES Julio F.
(87) International Publication No	:WO 2012/109073	2)MAGNO JR. Joey D.
(61) Patent of Addition to Application	:NA	3)PHILLIPS JR. Roger
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A coaxial cable connector for coupling a coaxial cable to a mating connector is disclosed. The coaxial cable connector may include a connector body having a forward end and a rearward cable receiving end for receiving a cable. The connector may include a nut rotatably coupled to the forward end of the connector body and an annular post disposed within the connector body for providing an electrical path between the mating connector and the coaxial cable. The connector may include a biasing element wherein the biasing element is configured to provide a force to maintain the electrical path between the mating connector and the coaxial cable. In one embodiment the biasing element is external to the nut and the connector body. In one embodiment the biasing element surrounds a portion of the nut and/or the connector body.

No. of Pages: 75 No. of Claims: 21

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BARRIER MATERIALS FOR MIRROR ASSEMBLIES

(51) International classification: F24J2/10,H01L31/052,G02B5/12 (71) Name of Applicant: (31) Priority Document No 1)HONEYWELL INTERNATIONAL INC. :61/443544 (32) Priority Date :16/02/2011 Address of Applicant :Patent Services M/S AB/2B 101 (33) Name of priority country Columbia Road P. O. Box 2245 Morristown New Jersey 07962 :U.S.A. (86) International Application 2245 U.S.A. :PCT/US2012/025336 (72) Name of Inventor: No :16/02/2012 1)MUKHOPADHYAY Sudip Filing Date (87) International Publication 2)VARAPRASAD Desaraju :WO 2012/154244 3)NALEWAJEK David (61) Patent of Addition to 4)KERKAR Awdhoot Vasant :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

Provided herein is a reflective optical construction containing a fluoropolymer barrier layer, wherein the fluoropolymer is selected from the group consisting of homopolymers and copolymers of at least one tetrafluoropropene or pentafluoropropene, preferably 2,3,3,3-tetrafluoropropene. Also disclosed is a method of forming a reflective optical construction including (a) applying a barrier layer comprising one or more fluoropolymers selected from the group consisting of homopolymers and copolymers of at least one tetrafluoropropene or pentafluoropropene, and (b) curing.

No. of Pages: 24 No. of Claims: 8

(21) Application No.4871/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MAXIMUM CURRENT LIMITING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:12/960095 :03/12/2010 :U.S.A.	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES INC.  Address of Applicant: One AMD Place Sunnyvale California 94085 U.S.A. (72)Name of Inventor:  1)NAFFZIGER Samuel D. 2)PETRY John P. 3)BONDALAPATI Kiran
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#### (57) Abstract:

The maximum current is limited in a multi processor core system by monitoring the latest power consumption in the processor cores in order to prevent a system shutdown as a result of an over current event. If the sum of the latest power of the processor cores exceeds a threshold limit a performance state (P state) limit is enforced in the processor cores. The P state limit causes a P state change to a lower frequency voltage and thus a lower current.

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

(22) Date of filing of Application :29/07/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: MANUFACTURE OF MICROSPHERES USING A HYDROCYCLONE

:B01J19/20,B01J2/08,B01J4/00 | (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/028764 (32) Priority Date :16/02/2011

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/025378 Filing Date :16/02/2012

(87) International Publication No :WO 2012/112747

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)OAKWOOD LABORATORIES LLC

Address of Applicant: 7670 First Place Suite A Oakwood

Village OH 44146 U.S.A. (72) Name of Inventor:

1)THANOO Bagavathikanun Chithambara

2)SMITH Edward Caldwell

3)SMITH Mark

#### (57) Abstract:

This disclosure features a system for processing microspheres. A vessel contains a suspension of solidified microspheres comprising polymer and an active agent. A hydrocyclone has a fluid inlet a first fluid outlet and a second fluid outlet. The fluid inlet is in fluid communication with the vessel and receives the suspension. The second fluid outlet contains a flow of the suspension having concentrated microspheres. The first fluid outlet contains a flow of a relatively large amount of liquid compared to the flow from the second fluid outlet. Also featured is a method of processing the microspheres using the hydrocyclone.

No. of Pages: 37 No. of Claims: 34

(21) Application No.7041/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention: A METHOD FOR FORMING AN INSULATING GLAZING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:E06B 3/673 :60/541,522 :04/02/2004 :U.S.A. :PCT/US2005/003759 :04/02/2005 :WO 2005/078227 :NA	(71)Name of Applicant: 1)QUANEX IG SYSTEMS, INC. Address of Applicant:800 COCHRAN AVE., CAMBRIDGE, OH 43725 U.S.A. U.S.A. (72)Name of Inventor: 1)REICHERT GERHARD
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filed on	:4393/DELNP/2006 :04/02/2005	

# (57) Abstract:

A method of applying a spacer to a glass panel while forming an insulating glazing unit includes the step of integrating the application of the sealant to the spacer body with the automated manufacturing process, The sealant is applied 10 the spacer body on line so that the sealant-laden spacer body may be applied to the glass without manually handling the sealant.

No. of Pages: 18 No. of Claims: 6

(21) Application No.7042/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention: ENCODING METHOD DECODING METHOD ENCODING APPARATUS DECODING APPARATUS PROGRAM AND RECORDING MEDIUM

(51) International

:G10L19/00,G10L19/04,G10L19/14

classification (31) Priority Document No

:2011030393

(32) Priority Date

:16/02/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/052884

No Filing Date

:08/02/2012

(87) International Publication: WO 2012/111512

(61) Patent of Addition to

:NA

**Application Number** Filing Date

:NA

(62) Divisional to Application :NA Number

:NA

Filing Date

(71)Name of Applicant:

1)NIPPON TELEGRAPH AND TELEPHONE

CORPORATION

Address of Applicant: 3 1 Otemachi 2 chome Chiyoda ku

Tokyo 1008116 Japan

(72) Name of Inventor:

1)MORIYA Takehiro

2)HARADA Noboru

3)KAMAMOTO Yutaka 4)HIWASAKI Yusuke

5)FUKUI Masahiro

(57) Abstract:

In encoding, according to whether an index or indices representative of the degree(s) of the periodicity and/or stationarity of input time sequence signals satisfy a condition for indicating that the periodicity and/or stationarity is high or whether the index or indices satisfy a condition for indicating that the periodicity and/or stationarity is low, a switching is performed between numbers of bits that are to be assigned to a code corresponding to a noise or pulse sequence obtained on the basis of a prediction analysis of the time sequence signals included in a predetermined time interval, thereby obtaining the code corresponding to the noise or pulse sequence. In decoding, a switching is performed between methods for decoding the code corresponding to the noise or pulse sequence included in the code corresponding to the predetermined time interval on the basis of the same criterion, thereby decoding the code corresponding to the noise or pulse sequence, thereby obtaining the noise or pulse sequence corresponding to the predetermined time interval.

No. of Pages: 98 No. of Claims: 34

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : PRECAST WALL PANELS AND METHOD OF ERECTING A HIGH RISE BUILDING USING THE PANELS

(51) International classification	E04C2/00 E04D1/26	(71)Name of Applicant :
		1 ' '
(31) Priority Document No	:13/023062	1)SKIDMORE OWINGS & MERRILL LLP
(32) Priority Date	:08/02/2011	Address of Applicant :14 Wall Street New York NY 10005
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/024219	2)NEWCO VENTURES LLC
Filing Date	:08/02/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/109293	1)CARRION Juan
(61) Patent of Addition to Application	:NA	2)BAKER William F.
Number		3)CAVANAGH John A.
Filing Date	:NA	4)STEWART Robert C.
(62) Divisional to Application Number	:NA	5)MACDONALD James E.
Filing Date	:NA	6)BESJAK Charles

#### (57) Abstract:

Precast wall systems and methods for constructing a high rise building using the precast wall system is disclosed in one embodiment the system includes a plurality of interconnected precast panels each having a top end plate a bottom end plate a plurality of vertical bars disposed between the end plates and a cementitious material encasing the vertical bars and defining a plurality of sides of the respective panel. A first of the precast panels has a first column member half defining a right side of the first panel a second of the precast panels has a second column member half defining a left side of the second panel such that when the right side of the first precast panel and the left side of the second precast panel are disposed horizontally adjacent to each other the first column member half and the second column member half collectively form a column member.

No. of Pages: 120 No. of Claims: 15

(21) Application No.3775/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: SECURITY DEVICE

(51) International classification :G06K9/58,G06K9/74,G06K9/78 (71) Name of Applicant:

(31) Priority Document No :11 59424 (32) Priority Date :19/10/2011 (33) Name of priority country :France

(86) International Application :PCT/AU2012/001255

No

:17/10/2012 Filing Date

(87) International Publication No:WO 2013/056299

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)INNOVIA SECURITY PTY LTD

Address of Applicant :Potter Street Craigieburn Victoria 3064

Australia

(72) Name of Inventor:

1)POWER Gary Fairless

# (57) Abstract:

An optical security device (10; 700) is provided which includes a transparent or translucent substrate (15; 705), at least one first array of repeating elements (20; 720) in or on a first side (16; 706) of the substrate (15; 705), at least one second array of repeating elements (30; 730) on a second side of the substrate. The second array of repeating elements (20; 720) is substantially in register with the first array of elements (30; 730), whereby a first image (130; 725) is visible when viewing the device from the first side, and a second image (200; 735) is visible when viewing the device from the second side. The brightness or colour levels of re peating image elements (30; 720, 730) on at least one side of the substrate may be modulated region- wise to produce a greyscale or coloured image. In one embodiment, the first array of repeating elements in or on a first side of the substrate is an array of focusing elements (20), and the second array of repeating elements in or on the second side of the substrate is an array of image elements (30) having substantially identical shape to each other, such that, when viewing the device from the first side, a magnified image including at least one magnified version of the image element shape is visible, and when viewing the device from the second side, the greyscale or coloured image is visible. In another embodiment, the repeating elements of both the first and second arrays are partially or fully opaque image elements (720, 730) which respectively form the first and second images (725;735).

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

(21) Application No.3776/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: POROUS PROPPANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:22/10/2012 :WO 2013/059793 :NA :NA :NA	(71)Name of Applicant: 1)ROHRING Steve Address of Applicant:2462 Cayuga Street Niagara Falls NY 14304 U.S.A. (72)Name of Inventor: 1)ROHRING Steve
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Ceramic ultra-lightweight porous proppants can be cost-effective for use in hydraulic fracturing operations. Silicon carbide and silicon nitride can advantageously provide a high degree of strength while having sufficient porosity to remain light-weight and facilitate fluid transport. Oxycarbides and oxynitrides of silicon are also suitable lightweight proppant materials. In one aspect, a porous proppant has a generally spherical shape with a particle diameter between 100 and 2,000 microns, median pore sizes between 1 and 50 microns, and a porosity between 10 and 70% of the total spherical volume. For a plurality of porous proppants, each porous proppant individually can form a proppant pack.

No. of Pages: 22 No. of Claims: 29

(21) Application No.7074/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention: FLOW CONTROL SCREEN ASSEMBLY HAVING REMOTELY DISABLED REVERSE FLOW CONTROL CAPABILITY

(51) International

:E21B43/08,E21B43/10,E21B34/16 classification

(31) Priority Document No :13/045800 (32) Priority Date :11/03/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/026041 No

:22/02/2012 Filing Date

(87) International Publication :WO 2012/125261

(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)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :2601 Beltline Road Carrollton TX

75006 U.S.A.

(72) Name of Inventor:

1)VEIT Jan

#### (57) Abstract:

A flow control screen having a fluid flow path between the interior of a base pipe and a filter medium. A valve assembly including a piston body a valve plug and a ball retainer having an opening is disposed within the fluid flow path. The piston body has an internal seat and a collet assembly that is radially outwardly constrained by the ball retainer in a first operating position to retain the valve plug therein and radially outwardly unconstrained by the ball retainer in a second operating position. Reverse flow is initially prevented as internal differential pressure seats the valve plug on the internal seat and causes the piston body to shift to the second operating position upon reaching a predetermined threshold. Thereafter external differential pressure causes the valve plug to be expelled from the valve assembly through the opening of the ball retainer thereby no longer preventing reverse flow.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ADHESIVE PATCH WITH ANTIMICROBIAL 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>	:04/02/2013 :WO 2013/119508 :NA :NA :NA	(71)Name of Applicant: 1)HYPROTEK INC. Address of Applicant: 4219 E. 65th Avenue Spokane WA 99223 1806 U.S.A. (72)Name of Inventor: 1)TENNICAN Patrick O.
Filing Date	:NA	

#### (57) Abstract:

This disclosure describes example adhesive medical patches that may be used in combination with one or more antimicrobial agents to create and/or maintain an area of human skin that is free from contaminants. According to some embodiments the disclosure describes that the adhesive patches may contain an adhesive material affixed to the perimeter of an impermeable backing. According to some embodiments the adhesive patch may also have a permeable layer containing an antimicrobial agent located interior to the adhesive material on the impermeable backing.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CATALYST FOR CONVERSION OF HYDROCARBONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01J 23/63 :61/617201 :29/03/2012 :U.S.A. :PCT/US2013/032792 :18/03/2013 :WO 2013/148397 :NA :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor: 1)SERBAN Manuela 2)LAPINSKI Mark P.
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

One embodiment is a catalyst for catalytic reforming of naphtha. The catalyst can have a noble metal including one or more of platinum palladium rhodium ruthenium osmium and iridium an alkali or alkaline earth metal a lanthanide series metal and a support. Generally an average bulk density of the catalyst is 0.300 to 1.00 gram per cubic centimeter. The catalyst has a platinum content of less than 0.375 wt% a tin content of 0.1 to 2 wt% a potassium content of 100 to 600 wppm and a cerium content of 0.1 to 1 wt%. The lanthanide series metal can be distributed at a concentration of the lanthanide series metal in a 100 micron surface layer of the catalyst less than two times a concentration of the lanthanide series metal at a central core of the catalyst.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : PROCESS AND SYSTEM FOR THE ADDITION OF PROMOTER METAL DURING OPERATION IN A CATALYTIC REFORMING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:18/03/2013 :WO 2013/148388 :NA :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road P.O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor: 1)LAPINSKI Mark P. 2)VANDEN BUSSCHE Kurt M. 3)SERBAN Manuela
- 10.000	:NA :NA :NA	

#### (57) Abstract:

One exemplary embodiment can be a process for facilitating adding a promoter metal to at least one catalyst particle in situ in a catalytic naphtha reforming unit. The process can include introducing a compound comprising the promoter metal to the catalyst naphtha reforming unit and adding an effective amount of the promoter metal from the compound comprising the promoter metal to the catalyst particle under conditions to effect such addition and improve a conversion of a hydrocarbon feed.

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

(21) Application No.6941/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: FIRE RESISTANT COATING MATERIAL ADINA

(51) International :C09D5/18,C09D133/08,C08K5/053

classification

(31) Priority Document No :PUV 500242011 (32) Priority Date :24/02/2011 (33) Name of priority country:Slovakia

(86) International :PCT/SK2012/050001

Application No :07/02/2012

Filing Date

(87) International Publication :WO 2012/115595

(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)MOLES TECHNOLOGY A.S.

Address of Applicant: Star Grunty 7 841 01 Bratislava

Slovakia

(72) Name of Inventor:

1)MAGDINA Roman

2) NEMECEK Lubomir

### (57) Abstract:

Title of the Invention: Fire-resistant Coating Material ADINA Fire-resistant coating material ADINA comprising ammonium polyphosphate in the amount of 5 to 50 % w/w, pentaerythritol in the amount of 6 to 33 % w/w, melamine in the amount of 4 to 22 % w/w, binder based on polyvinylacrylate dispersion in the amount of 0 to 16.3 % w/w, plasticizer based on diisononylphthalate in the amount of 2,3 to 3,5 % w/w, talc in the amount of 3 to 10 % w/w, stabilizer (preservative) based on 4- chloro- 3-methylphenol in the amount of 0,15 to 0,25 % w/w, and water in the amount of 3,5 to 17 % w/w.

No. of Pages: 9 No. of Claims: 2

(21) Application No.7089/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

### (54) Title of the invention: IMAGE CAPTURING

(51) International classification :H04N7/18,G01C11/02,G03B37/04

:WO 2012/107752

(31) Priority Document No :1102293.6

(32) Priority Date :10/02/2011

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2012/050264

No :07/02/2012

(87) International Publication

(61) Patent of Addition to
Application Number :NA

Application Number :NA :NA :NA

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)BAE SYSTEMS PLC

Address of Applicant :6 Carlton Gardens London SW1Y 5AD

U.K.

(72)Name of Inventor:

1)FINN Harry John

2)TEBAY Andrew Christopher 3)PARKER David Robert

4)STOCKTON Simon Graham

## (57) Abstract:

A camera array (4) and method for capturing and processing images of an area of terrain the method comprising: for each of a plurality of time steps within a time period using each of a plurality of cameras (10) in a camera array (4) generating an image of a respective portion of terrain (32) wherein the cameras (10) in the camera array (4) have substantially fixed positions relative to each other and the portions of terrain (32) are such that the whole of the area of terrain has been imaged by the end of the time period; selecting a subset of the images such that the whole of the terrain is covered by the portions of the terrain (32) in the images in the subset; and for an image not in the subset if an object of interest is in that image extracting a sub image containing the object from that image.

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

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: STACKED INTEGRATED COMPONENT DEVICES WITH ENERGIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L 25/16 :13/358656 :26/01/2012 :U.S.A. :PCT/US2013/023190 :25/01/2013 :WO 2013/112868 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE INC. Address of Applicant:7500 Centurion Parkway Jacksonville Florida 32256 U.S.A. (72)Name of Inventor: 1)PUGH Randall B. 2)FLITSCH Frederick A. 3)OTTS Daniel B. 4)RIALL James Daniel 5)TONER Adam
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#### (57) Abstract:

This invention provides a stacked integrated component device with energization which comprises at least a first stacked layer (1102) comprising electrically active devices comprising one or more components a second stacked layer (1104) comprising electrically active devices comprising one or more components and at least a third stacked layer (1106 1107) comprising one or more energizing devices. At least a first electrical connection (1103 1105) allows current to flow between at least one of the one or more components in said first and second stacked layers to at least one component in said third stacked layer. The first stacked layer comprises a technology type that differs from that of the second stacked layer.

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

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SUBSTITUTED NUCLEOSIDES NUCLEOTIDES AND ANALOGS 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</li> </ul>	:20/12/2012 :WO 2013/096679 :NA :NA	(71)Name of Applicant:  1)ALIOS BIOPHARMA INC.  Address of Applicant: 260 E. Grand Ave. 2nd Floor South San Francisco CA 94080 U.S.A.  (72)Name of Inventor:  1)BEIGELMAN Leonid  2)WANG Guangyi  3)SMITH David Bernard  4)DEVAL Jerome  5)PRHAVC Marija
Filing Date	:NA :NA	

### (57) Abstract:

Disclosed herein are nucleosides nucleotides and analogs thereof pharmaceutical compositions that include one or more of nucleosides nucleotides and analogs thereof and methods of synthesizing the same. Also disclosed herein are methods of ameliorating and/or treating a disease and/or a condition including an infection from a paramyxovirus and/or an orthomyxovirus with a nucleoside a nucleotide and an analog thereof.

No. of Pages: 293 No. of Claims: 243

(21) Application No.6009/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONTAINER DECORATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:24/01/2013 :WO 2013/113616	(71)Name of Applicant:  1)CROWN PACKAGING TECHNOLOGY INC.  Address of Applicant:11535 S Central Avenue Alsip Illinois 60803 2599 U.S.A.  (72)Name of Inventor:  1)WILKINSON Ian
(87) International Publication No		1) WEEK GOTT IN

## (57) Abstract:

Application of decoration in the form of coloured ink or inks onto a metal container uses an inking station with a roller train including oscillating rollers (150). These oscillating rollers use cam driven axial movement of an outer shaft (154) which is transmitted to the outer face of the oscillating roller body (156) and distributes ink uniformly across the adjacent roller. Rotation of the oscillating roller body is through contact with adjacent rollers in the inking station.

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

(21) Application No.695/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TIBIAL ORTHOPAEDIC SURGICAL INSTRUMENTS FOR SETTING OFFSET •

(51) T	A C1D	
(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:13/801,352	1)DEPUY (IRELAND)
(32) Priority Date	:13/03/2013	Address of Applicant :Loughbeg Industrial Estate,
(33) Name of priority country	:U.S.A.	Ringaskiddy, Co Cork, Ireland Ireland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LISA M. MAJOR
(87) International Publication No	: NA	2)JEFFREY L. KOENEMANN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An orthopaedic surgical instrument assembly is disclosed. The orthopaedic surgical assembly includes a guide tower, an offset tool attached to the guide tower, and a stem trial. A guide tower includes a base surface adapted to be positioned on a proximal end of a patientTMs tibia and defining a first axis extending through the base surface. The offset tool is configured to rotate about the first axis. The offset tool includes a tool body that is positioned in the guide tower and is integrally formed with a shaft extending through an opening defined in the base surface of the guide tower. The stem trial is removably coupled to a lower end of the shaft.

No. of Pages: 97 No. of Claims: 20

(21) Application No.7092/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SIGNAL PROCESSOR AND SIGNAL PROCESSING 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>	:2011032340 :17/02/2011 :Japan :PCT/JP2012/000844 :08/02/2012 :WO 2012/111278 :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)KAWASAKI Kenichi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A signal processor includes: a plurality of frequency converters which perform frequency conversion of input signals to output converted signals; and an output section which combines the converted signals output from the plurality of frequency converters and outputs a composite signal, wherein the plurality of frequency converters are formed in a one-chip semiconductor chip, and the plurality of frequency converters perform frequency conversion into converted signals in different frequency bands.

No. of Pages: 38 No. of Claims: 21

(21) Application No.6334/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ONE WAY SEPARATOR FOR RETAINING AND RECIRCULATING CELLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12M 1/08 :12001121.8 :20/02/2012 :EPO :PCT/EP2013/053393 :20/02/2013 :WO 2013/124329 :NA :NA :NA	(71)Name of Applicant:  1)BAYER TECHNOLOGY SERVICES GMBH Address of Applicant:51368 Leverkusen Germany 2)BAYER INTELLECTUAL PROPERTY GMBH (72)Name of Inventor: 1)PASTOR Andre 2)SELETZKY Juri 3)BROD Helmut 4)KAULING Joerg 5)COMMER Peter
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## (57) Abstract:

The invention relates to the use of single or multilayer plastic web plates in a sloped channel type solid material separator with a lamella package.

No. of Pages: 35 No. of Claims: 12

(21) Application No.6335/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : EXTERNAL FILES FOR DISTRIBUTION OF MOLECULAR DIAGNOSTIC TESTS AND DETERMINATION OF COMPATIBILITY BETWEEN TESTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G01N 35/00 :61/594867 :03/02/2012 :U.S.A. :PCT/US2013/024494 :01/02/2013 :WO 2013/116769 :NA :NA :NA	(71)Name of Applicant:  1)BECTON DICKSON AND COMPANY Address of Applicant: 1 Becton Drive Franklin Lakes NJ 07417 U.S.A. (72)Name of Inventor: 1)STEEL Adam 2)WOJECK Thomas 3)YOUNG Mike 4)LARSEN Mark
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## (57) Abstract:

Embodiments disclosed herein relate to methods and systems for performing an automated assay and particularly to performing an assay on a plurality of samples on an automated instrument.

No. of Pages: 38 No. of Claims: 33

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR TREATING METABOLIC DISORDERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K 31/155 :13/345135 :06/01/2012 :U.S.A. :PCT/US2013/020420 :05/01/2013 :WO 2013/103919 :NA :NA :NA	(71)Name of Applicant:  1)ELCELYX THERAPEUTICS INC.  Address of Applicant:11975 El Camino Real Suite 305 San Diego CA 92130 U.S.A.  (72)Name of Inventor:  1)BARON Alain D.  2)FINEMAN Mark S.  3)BEELEY Nigel R. A.
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### (57) Abstract:

Methods for improving the gastrointestinal tolerability of biguanide compounds and for treating metabolic disorders and/or inducing weight loss in patients in need thereof particularly in individuals having a contraindication for treatment with biguanide compounds are provided comprising administering delayed release formulations of such biguanide compounds including metformin targeted to the small intestine.

No. of Pages: 110 No. of Claims: 25

(21) Application No.6337/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AUDIO VISUAL RESOURCE SELECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:14/01/2013 :WO 2013/104923 :NA :NA	(71)Name of Applicant:  1)INVIEW TECHNOLOGY LIMITED  Address of Applicant: Targeting House Gadbrook Park  Northwich Cheshire CW9 7RA U.K.  (72)Name of Inventor:  1)AUSTIN Kenneth
Filing Date	:NA :NA	

### (57) Abstract:

A method and apparatus for selecting between a plurality of audiovisual data resources. The method comprises storing data indicating limitations on use of a first of said resources of audiovisual data based upon data indicating a quantity of use which can be made of the first audiovisual data resource by a particular user or group of users and selecting one of said audiovisual data resources based at least in part upon said data indicating limitations on use of the first of said resources.

No. of Pages: 26 No. of Claims: 28

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: APPARATUS FOR FORMING PACKAGES AND FILLING 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>	:B65B 41/18 :61/604072 :28/02/2012 :U.S.A. :PCT/US2013/027774 :26/02/2013 :WO 2013/130453 :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)PALLOTTA Shawn Christopher 2)ORNDORFF Jason Matthew 3)BROAD Gavin John 4)MCLAUGHLIN Jon Kevin 5)TECLEAB Adal Amine 6)BREITHAUPT Cullen Joseph
(62) Divisional to Application Number Filing Date	:NA :NA	6)BREITHAUPT Cullen Joseph

## (57) Abstract:

A method and apparatus for formation filling and sealing unit dose packages for consumer products are described herein. A filling system with a filling control system is also disclosed. Although the filling system is described in conjunction with a method for forming filling and sealing unit dose packages the filling system and filling control system can be used in other dispensing processes.

No. of Pages: 51 No. of Claims: 9

(21) Application No.6339/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR RECYCLING FLOOR COVERINGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C08J 11/08 :10 2012 002 704.4 :14/02/2012 :Germany :PCT/EP2013/000319 :01/02/2013 :WO 2013/120586 :NA :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)HERRLICH Timo 2)STEIB Christian 3)HOHNER Gerd
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### (57) Abstract:

The invention relates to a solvent based separation method for the total material recycling of materials used in nonwoven woven and tufted wares into the individual material components thereof sorted by type. At least one of the materials contains a polyolefin wax. As a solvent and/or swelling agent halogen free aliphatic hydrocarbons or aromatic hydrocarbons or a mixture of one or several of said solvents are used.

No. of Pages: 16 No. of Claims: 14

(21) Application No.7113/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SPACING ELEMENT FOR MAKING STRUCTURAL AERATED HEAT INSULATION CRAWL SPACES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:TO2011A000014 :13/01/2011 :Italy :PCT/IT2012/000006 :10/01/2012 :WO 2012/095882 :NA	(71)Name of Applicant:  1)CABONI Michele Address of Applicant: Via Adua 55 I 09170 Oristano Italy (72)Name of Inventor:  1)CABONI Michele
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The description herein refers to a structural heat insulation spacing element (1) used for making a disposable heat insulation formwork (10) used to cast reinforced concrete into a crawl space made up of at least one supporting body (3) defining inside itself at least one through hollow (5) co axial to such supporting body (3) such through hollow (5) being suited to minimize a contact surface on the ground provided by such spacing element (1).

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

(21) Application No.6874/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CELLULASE COMPOSITIONS AND METHODS OF USING THE SAME FOR IMPROVED CONVERSION OF LIGNOCELLULOSIC BIOMASS INTO FERMENTABLE SUGARS

(51) International classification: C12N9/42, C12P19/14, C12N15/80 (71) Name of Applicant: (31) Priority Document No 1)DANISCO US INC :61/453918 (32) Priority Date :17/03/2011 Address of Applicant: 925 Page Mill Road Palo Alto CA (33) Name of priority country 94304 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/029498 1)KAPER Thijs :16/03/2012 Filing Date 2)NIKOLAEV Igor (87) International Publication 3)LANTZ Suzanne :WO 2012/125951 4)FUJDALA Meredith K. (61) Patent of Addition to 5)HSI Megan Y. :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The present invention relates to compositions that can be used in hydrolyzing biomass such as compositions comprising a polypeptide having -glucosidase activity methods for hydrolyzing biomass material and methods for improving the stability and saccharification efficacy of a composition comprising such -glucosidase polypeptides and/or activity.

No. of Pages: 348 No. of Claims: 32

(21) Application No.7020/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: QUIK BARREL CHASNGE FIREARM

(51) International classification	:F41A3/26,F41A3/64,F41A3/70	(71)Name of Applicant:
(31) Priority Document No	:61/433115	1)ARMWEST LLC
(32) Priority Date	:14/01/2011	Address of Applicant :955 West Rosser Street Prescott
(33) Name of priority country	:U.S.A.	Arizona 86305 U.S.A.
(86) International Application No	:PCT/US2012/021368	(72)Name of Inventor:
Filing Date	:13/01/2012	1)SULLIVAN Leroy James
(87) International Publication No	:WO 2012/097334	2)WATERFIELD Robert Lloyd
(61) Patent of Addition to	:NA	3)OSTROWSKI Alan H.
Application Number	:NA	4)LATULIPPE JR. Paul N.
Filing Date	:NA	5)EYSSAUTIER Hyunjung Samuel
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.INA	

### (57) Abstract:

A firearm can have a backbone, a barrel, a swinging wedge, and a barrel latch, in accordance with one or more embodiments. The barrel latch can be in mechanical communication with the swinging wedge. The barrel latch can have a first position and a second position and the swinging wedge can be configured to maintain attachment of the barrel to the backbone when the barrel latch is in the first position and is configured to release the barrel from the backbone when the barrel latch is in the second position. Thus, the firearm can provide quick barrel changes. Other features enhance the reliability and utility of the firearm.

No. of Pages: 211 No. of Claims: 100

(21) Application No.7021/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: FUSION PROTEIN FOR ANTAGONIZING ANGIOGENESIS INDUCIBLE FACTORS AND USES **THEREOF**

(51) International :C07K19/00,C12N15/62,C12N15/63

classification

(31) Priority Document No :201110131029.X (32) Priority Date :20/05/2011

(33) Name of priority country: China

(86) International :PCT/CN2012/075700

Application No :18/05/2012 Filing Date

(87) International Publication :WO 2012/159548

(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)YANTAI RC BIOTECHNOLOGIES LTD.

Address of Applicant: ZHANG Li No.1 Rongchang Road

ETDZ Yantai Shandong 264006 China

(72) Name of Inventor: 1)FANG Jianmin

2)LI Dong

## (57) Abstract:

Disclosed are a fusion protein for inhibiting angiogenesis and uses thereof and further disclosed are a fusion protein for VEGF receptor and FGF receptor and uses of the same in the treatment of diseases associated with regulation of angiogenesis.

No. of Pages: 105 No. of Claims: 28

(21) Application No.7025/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CU NI ZN MN ALLOY

(51) International classification	:C22C9/04,C22C30/06	(71)Name of Applicant:
(31) Priority Document No	:00211/11	1)BAOSHIDA SWISSMETAL AG
(32) Priority Date	:04/02/2011	Address of Applicant :Grand Rue 6 2732 Reconvillier
(33) Name of priority country	:Switzerland	Switzerland
(86) International Application No	:PCT/EP2012/051890	(72)Name of Inventor:
Filing Date	:03/02/2012	1)DALLA TORRE Florian
(87) International Publication No	:WO 2012/104426	2)TARDENT Jean Pierre
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Precipitation hardened alloy on the basis of copper zinc nickel and manganese exhibiting a high strength and ductility with values similar to those of stainless steels in combination with excellent machinability. The inventive alloy family is characterized by fine fibre like or globular precipitates that emerge during intermediate temperature annealing treatments which in case of the unleaded variations significantly improves the machinability. The alloy of invention is particularly suited for free machining applications such as the production of pen tips and reservoirs for writing implements of reduced tip dimensions where conventional Cu-Ni- Zn-Mn alloys fail due to lack of strength and where the corrosion resistance in gel based inks is insufficient without restriction to other fields of application.

No. of Pages: 39 No. of Claims: 15

(21) Application No.717/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: VEHICLE REAR LAMP •

<ul> <li>(51) International classification</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>	:B60Q1/22 :2014- 069587 :28/03/2014 :Japan :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, Japan (72)Name of Inventor:  1)SEIJI KIDO
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)TSUYOSHI OGUCHI 3)DAISUKE KURIKI

#### (57) Abstract:

To Provide a vehicle rear lamp radiating light in accordance with the outline of the rear lamp in the rearward direction for improvements in visibility from behind the vehicle. [Solution] In a rear combination lamp 10 installed in a motorcycle, an outer lens 78 covers an inner lens 44 and a frame 46 from rear. The frame 46 is formed of a member impervious to light 38 emitted from each LED light source 22 or a member with a low transparency to the light 38, and placed to surround the inner lens 44. The inner lens 44 has a first protrusion 52 and a second protrusion 54 that extend rearward and guide the light 38 to transmit it rearward from rear ends 56,-58. The frame 46 has frame walls 72, 74 respectively extending along the first protrusion 52 and the second protrusion54. [Selected diagram] Fig. 5

No. of Pages: 31 No. of Claims: 7

(21) Application No.6037/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: EPOXIDATION PROCESS WITH POST CONDITIONING STEP

(51) International classification :C07D301/08,C07D303/04 (71)Name of Applicant : (31) Priority Document No 1) SCIENTIFIC DESIGN COMPANY INC. :61/751465 (32) Priority Date :11/01/2013 Address of Applicant :49 Industrial Avenue Little Ferry New Jersey 07643 U.S.A. (33) Name of priority country :U.S.A. :PCT/US2014/010768 (86) International Application No (72)Name of Inventor: Filing Date 1)AL AHMADI Hassan Eisa :09/01/2014 (87) International Publication No :WO 2014/110194 2)PADIA Ashok S. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number: NA Filing Date :NA

## (57) Abstract:

A method for the epoxidation of an olefin comprising the steps of reacting a feed gas composition containing an olefin oxygen and a moderator having a post conditioning step where the catalyst is exposed to reactor feed having a chlorides concentration of from about 5 ppm to about 7 ppm and at a temperature of about 215°C to about 225°C.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PREPARATION METHOD OF CARFENTRAZONE ETHYL

(51) International classification	:C07D249/12	(71)Name of Applicant:
(31) Priority Document No	:201110058827.4	1)ZHEJIANG ZHUJI UNITED CHEMICALS CO. LTD
(32) Priority Date	:11/03/2011	Address of Applicant :No. 603 Binkang Road Binjiang District
(33) Name of priority country	:China	Hangzhou Zhejiang 310052 China
(86) International Application No	:PCT/CN2012/070289	
Filing Date	:12/01/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/122863	1)GUO Qunzhen
(61) Patent of Addition to Application	:NA	2)CAI Guoping
Number	:NA	3)WANG Tangjun
Filing Date	.IVA	4)YU Jiandi
(62) Divisional to Application Number	:NA	5)LIU Wei
Filing Date	:NA	

### (57) Abstract:

Disclosed is a preparation method of carfentrazone-ethyl, comprising: reaction of 1-(5-amino-4-chloro-2-fluorophenyl)-4-difluoromethyl-3-methyl-1H-1,2,4-triazol-5-one with acrylic acid through the diazo arylation of amino group to obtain 2-chloro-3-{2-chloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorophenyl}propionic acid; and esterification of 2-chloro-3-{2-chloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorophenyl}propionic acid with ethanol in the presence of an acidic catalyst to give said carfentrazone-ethyl.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR RESERVING NETWORK BANDWIDTH FOR VERSIONED NETWORK SERVICES

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (33) Name of Inventor: (72)Name of Inventor:  1)WEEKS Russell  1)WEEKS Russell  1)WEEKS Russell  1)WEEKS Russell  1)WEEKS Russell  1)NA  1NA  1NA  1NA  1NA  1NA  1NA  1N		<ul> <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>	:PCT/IB2012/051220 :14/03/2012 :WO 2012/123912 :NA :NA	
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#### (57) Abstract:

Methods and apparatus to minimize the amount of bandwidth reserved for versioned network services are described. According to one embodiment of the invention a bandwidth reservation component in a network service manager server receives a change to a service version in a service family. The bandwidth reservation component determines that the change would affect a reserved bandwidth on at least one of the network links of the service version. The bandwidth reservation component analyzes whether to accept the change based on how the change would affect the reserved bandwidth. The bandwidth reservation component changes on each of the network links the reserved bandwidth according to the change if the change is accepted.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A COMPOSITION FOR PREVENTING HARMFUL ORGANISMS

(51) International classification :B65D (71)Name of Applicant: (31) Priority Document No 1)MITSUI CHEMICALS INC. :PCT/JP05/013728 (32) Priority Date Address of Applicant :5-2, HIGASHI-SHIMBSHI 1-CHOME, :27/07/2005 (33) Name of priority country MINATO-KU, TOKYO 1057117, JAPAN Japan (86) International Application No (72) Name of Inventor: :PCT/JP05/013728 Filing Date :27/07/2005 1)NOBUYUKI KAWAHARA (87) International Publication No 2)MICHIKAZU NOMURA :WO 2007/013150 (61) Patent of Addition to Application 3)HIDENORI DAIDO :NA Number :NA Filing Date (62) Divisional to Application Number :1392/DELNP/2008 Filed on :18/02/2008

## (57) Abstract:

There is a harmful organism that cannot be controlled or is difficult to be controlled with the use of a single agent of a compound represented by the general formula (1) according to the invention, an insecticide, a miticide or a bactericide. Accordingly, an object of the invention is to provide a composition for preventing harmful organisms for efficiently controlling such a harmful organism. That is, the invention is directed to a composition for preventing harmful organisms, characterized by comprising the compound represented by the general formula (1) and other insecticides, miticides or bactericides as active ingredients, wherein, in the formula, A1, A2, A3 and A4 independently represent a carbon atom, a nitrogen atom or an oxidized nitrogen atom; GI and G2 independently represent an oxygen atom or a sulfur atom; RI and R2 independently represent a hydrogen atom or a C1 to C4 alkyl group; Xs may be the same or different and represent a hydrogen atom, a halogen atom or a trif luoromethyl group; Q1 represents a substituent such as a phenyl group or a heterocyclic group; and Q2 represents a substituent such as a phenyl group or a heterocyclic group.)

No. of Pages: 306 No. of Claims: 4

(21) Application No.7236/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: CELLS AND METHODS FOR PRODUCING ISOBUTYRIC ACID

(51) International classification :C12N1/20,C12N9/00,C12N9/16 (71)Name of Applicant:

(31) Priority Document No :61/441939 (32) Priority Date :11/02/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/024640

Filing Date :10/02/2012

(87) International Publication No: WO 2012/109534

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) REGENTS OF THE UNIVERSITY OF MINNESOTA

Address of Applicant :Office for Technology

Commercialization 1000 Westgate Drive Suite 160 Saint Paul

Minnesota 55114 8658 U.S.A.

(72) Name of Inventor:

1)ZHANG Kechun 2)XIONG Mingyong

3)WOODRUFF Adam P.

### (57) Abstract:

Disclosed herein are cells and methods for renewably producing isobutyrate. In some cases the cells can include a heterologous DNA that encodes at least one enzyme that catalyzes the conversion of isobutyraldehyde to isobutyrate. In other cases the cells can include a genetically modified enzyme that catalyzes the conversion of isobutyraldehyde to isobutyrate to a degree greater than the wild type version of the enzyme. In other cases the cells can include one or more enzyme that catalyze the conversion of 2 ketovaline to isobutyrate. Generally methods include growing the cells in a medium that includes a carbon source that the cells are able to convert to isobutyrate.

No. of Pages: 89 No. of Claims: 70

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CAST SLAB SURFACE TEMPERATURE MEASURING DEVICE USED IN CONTINUOUS CASTING 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>	:B22D11/16 :2011029006 :14/02/2011 :Japan :PCT/JP2012/053351 :14/02/2012 :WO 2012/111649 :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)UEDA Kazunori 2)OKAWA Takeshi 3)FUKUNAGA Shinichi
(61) Patent of Addition to Application		2)OKAWA Takeshi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This cast slab surface temperature measuring device used in a continuous casting machine, measures the temperature of a part or the entire of the surface of a cast slab in the width direction in a secondary cooling zone in the continuous casting machine, said cast slab being pulled out of a mold and conveyed by a roll. This cast slab surface temperature measuring device comprises: a supporting member which is arranged on the lateral side of a roll supporting unit that rotatably supports the roll; an arm member, the base of which is rotatably attached to the supporting member; and a radiation thermometer which is provided on the front end portion of the arm member in such a manner that a light-receiving opening thereof can be arranged at a position above the cast slab surface by 1.0-4.5 m (inclusive).

No. of Pages: 39 No. of Claims: 4

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DISPLAY CONTROL METHOD RECORDING MEDIUM AND DISPLAY CONTROL DEVICE

(51) International :H04N5/278,G06F17/21,H04N7/173 classification :2011029408 (31) Priority Document No :2011029408 (32) Priority Date :15/02/2011 (33) Name of priority country:Japan (86) International Application No :PCT/JP2012/052903 :08/02/2012

Filing Date
(87) International Publication: WO 2012/111513

No . W O 2

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant: 1)SONY CORPORATION

Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075

Japan

(72)Name of Inventor:
1)UCHIMURA Kouichi

### (57) Abstract:

The present invention pertains to a display control method, a recording medium, and a display control device which enable the implementation of the function of forcedly displaying subtitles on a Timed Text Markup Language (TTML) basis. TTML data in which predetermined attribute information related to subtitle forced display is described in a tag that defines a document element is used. On the content reproduction side, control is performed such that on the basis of the predetermined attribute information in the TTML data, characters based on text data designated by the tag in which the attribute information is written are displayed on a display unit regardless of whether subtitle display setting is on or off. Owing to this configuration, text data as a predetermined document element among document elements (text data as subtitles) in the TTML data can be displayed regardless of whether the subtitle display setting is on or off. In other words, the function of forcedly displaying subtitles can be implemented on a TTML basis.

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

(21) Application No.7256/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: HIGH TEMPERATURE PLATFORMER

(51) International :C10G61/02,C10G59/02,C10G35/04 classification

(31) Priority Document No :61/480654

(32) Priority Date :29/04/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/034606 Application No

:23/04/2012 Filing Date

(87) International Publication :WO 2012/148830

(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)UOP LLC

Address of Applicant :25 East Algonquin Road P. O. Box

5017 Des Plaines Illinois 60017 5017 U.S.A.

(72)Name of Inventor:

1)MOSER Mark D.

2)SADLER Clayton C.

3)LAPINSKI Mark P.

### (57) Abstract:

A process for reforming a hydrocarbon stream is presented. The process involves increasing the processing temperatures in the reformers. The reformers are operated under different conditions to utilize advantages in the equilibriums but require modifications to prevent increasing thermal cracking and to prevent increases in coking. The process utilizes a common catalyst and common downstream processes for recovering the desired aromatic compounds generated.

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

(21) Application No.7258/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: ELECTRICAL WATER HEATING APPLIANCES

(51) International classification :F24H1/10,F22B1/28,A47L11/40 (71) Name of Applicant: (31) Priority Document No :1102971.7 (32) Priority Date :21/02/2011

(33) Name of priority country :U.K.

(86) International Application :PCT/GB2012/050378

No Filing Date :21/02/2012

(87) International Publication No:WO 2012/114092

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)STRIX LIMITED

Address of Applicant :Forrest House Ronaldsway Isle of Man

IM9 2RG U.K.

(72) Name of Inventor:

1) ASHTON Steven Anthony

## (57) Abstract:

An electrical water heating appliance comprises pump means (4) connected to a water heating means (16) via a water flow path (14). One or more flow regulating valve means (18, 20) are arranged in the flow path (14) to regulate the flow of water to the heating means (16) so as to achieve a substantially uniform flow rate. The flow regulating valve means may include a pressure compensating valve means 10 (18) arranged to achieve a substantially uniform flow rate regardless of the water pressure. A suitable pressure compensating valve (18) means may comprise an elastic diaphragm arranged to regulate the flow by distorting in response to the pressure of water entering the valve means. The water heating means (16) may be a water boiler for steam generation.

No. of Pages: 23 No. of Claims: 33

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR LEG RETENTION ON HYBRID BITS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:07/02/2012 :WO 2012/109234 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)BAKER HUGHES INCORPORATED Address of Applicant: 2001 Rankin Road Houston Texas</li> <li>77073 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)RICKS Gregory L.</li> <li>2)FELDERHOFF Floyd C.</li> <li>3)PESSIER Rudolf Carl</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An earth boring drill bit comprising: one or more legs; a bit body having a blade and a slot for receiving the leg; and one or more wedge between the leg and the slot fixing the leg within the slot. The slot may have two parallel sidewalls with one of the sidewalls forming an acute angle and the other forming an obtuse angle. The wedge may be secured immediately next to the obtuse angled sidewall. The wedge may have two obtuse angled sides. One or more bolts through each wedge may secure both the wedge and the leg to the bit body. In a preferred embodiment an obtuse angled sidewall of the wedge is preferably secured immediately next to an acute angled side of the leg.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD CONTROL MODULE APPARATUS AND SYSTEM FOR TRANSFERRING 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> <li>(62) Divisional to Application Number</li> </ul>	:G06F19/00 :61/450182 :08/03/2011 :U.S.A. :PCT/EP2012/053998 :08/03/2012 :WO 2012/120078 :NA :NA	(71)Name of Applicant:  1)GAMBRO LUNDIA AB  Address of Applicant: P.O. Box 10101 S 220 10 Lund Sweden (72)Name of Inventor:  1)WITTNER Bernd  2)KROON Jacob
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method control module and extracorporeal blood treatment apparatus are provided for transferring data from said extracorporeal blood treatment apparatus. The invention regards retrieving data pertaining to an operation of the apparatus encoding the data into a machine readable graphical representation adapted for decoding at a remote server to recover the retrieved data and displaying the machine readable graphical 10 representation as an image on the display to allow capture of the displayed image with an image capturing device and transmission of the image from the image capturing device to said remote server over a communication channel.

No. of Pages: 63 No. of Claims: 36

(21) Application No.7218/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: PLATE GLASS AND MANUFACTURING PROCESS THEREOF

(51) International :C03C3/062,C03C3/064,C03C3/087

classification

(31) Priority Document No :201010126584.9 (32) Priority Date :18/03/2010 (33) Name of priority country: China

(86) International Application :PCT/CN2011/000409

:15/03/2011

Filing Date

(87) International Publication :WO 2011/113302

(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)YANG Dening

Address of Applicant :Block B 27D Fairview Park 2 Overseas Chinese Town Nanshan District Shenzhen Guangdong 518053

(72) Name of Inventor: 1)YANG Dening

Provided is the plate glass having high annealing temperature, high strength, excellent flatness and low viscosity, and manufacturing process thereof, which can be used for display and photovoltaic solar device. The plate glass contains (in mass%) boron oxide 0-3.9%, sodium oxide 0.01-14%, iron oxide 0.01-5%, fluorine oxide 0-2.8%, magnesia 8.1-22.2%, alumina 0.01-39%, wherein the content of silica is 1.0-4.1 times that of calcium oxide, the content of calcium oxide is 1.2-1.6 times that of magnesia.

No. of Pages: 110 No. of Claims: 11

(22) Date of filing of Application :09/09/2014 (43) Publication Date: 29/04/2016

## (54) Title of the invention: HEAT CYCLE FOR TRANSFER OF HEAT BETWEEN MEDIA AND FOR GENERATION OF **ELECTRICITY**

(51) International :F25B11/02,F01K25/08,F25B30/02

classification (31) Priority Document No :1230028-1

(32) Priority Date :20/03/2012 (33) Name of priority country: Sweden

(86) International Application :PCT/SE2013/050305 No

:19/03/2013 Filing Date

(87) International Publication :WO 2013/141805

(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)ENERGIHUSET F-RS.,LJNINGS AB HARDY

HOLLINGWORTH

Address of Applicant :Box 7063 S 60007 Norrkping Sweden

(72) Name of Inventor:

1)HOLLINGWORTH Hardy

### (57) Abstract:

A heat pump circuit has a compressor (C) which compresses a working fluid from a gas in a first state (1) with a low pressure and a low temperature to a gas in a second state (2) with a high pressure and a high temperature, wherein a first subflow of the working fluid is passed in a main circuit (Main) and is condensed into a gaseous/liquid mixture upon passage of a condenser (COND) and assumes a third state (3) by the working fluid delivering heat in the condenser (COND) to a first medium belonging to a heat cycle, and said first subflow of the working fluid is expanded in an evaporator (EVAP) and thereby returns to a gas in the first state (1) by absorbing heat from a second medium in a collector circuit connected to the evaporator (EVAP), whereupon the working fluid is returned to the compressor (C) and completes the cycle again, and wherein a second subflow of the compressed working fluid is expanded from the second state (2) that prevails at the outlet of the compressor (C) and is passed in a converting circuit (Transf) to an energy converter (TG) for converting the energy contents in the second subflow of the working fluid that traverses the energy converter (TG) into electrical energy, whereafter the expanded working fluid from the outlet of the energy converter is returned to the compressor (C) according to any of a) after passage of the evaporator (EVAP) for further expansion, b) directly back to the compressor (C) after expansion in the energy converter (TG) from the second state (2) to the first state (1).

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

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FAIL SAFE APPARATUS FOR USE WITH FLUID VALVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16K 31/00 :61/581492 :29/12/2011 :U.S.A. :PCT/US2012/071870 :27/12/2012 :WO 2013/106202 :NA :NA	(71)Name of Applicant: 1)TESCOM CORPORATION Address of Applicant:12616 Industrial Blvd. Elk River MN 55330 U.S.A. (72)Name of Inventor: 1)BURGETT Eric Jacob 2)TUTT Brian J.
(61) Patent of Addition to Application	:NA	2)1011 Brian J.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Fail safe apparatus for use with fluid valves are disclosed herein. An example fail safe apparatus includes a first piston (342) a second piston (344) movably coupled relative to the first piston and a fluid chamber (346) between the first and second pistons to receive a control fluid. The control fluid is to operatively couple the first and second pistons when the control fluid is provided in the fluid chamber. The first piston is operatively decoupled from the second piston when at least some of the control fluid is removed from the fluid chamber.

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

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MOUNTING ASSEMBLIES FOR USE WITH FLUID CONTROL 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16K 27/02 :61/581386 :29/12/2011 :U.S.A. :PCT/US2012/070826 :20/12/2012 :WO 2013/101637 :NA :NA :NA	(71)Name of Applicant:  1)TESCOM CORPORATION Address of Applicant:12616 Industrial Blvd. Elk River MN 55330 U.S.A. (72)Name of Inventor: 1)BURGETT Eric Jacob 2)TUTT Brian J. 3)LARSEN Todd William
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### (57) Abstract:

Mounting assemblies for use with fluid control devices are disclosed. An example apparatus includes a bonnet to be coupled to a valve and a mounting assembly including a first side to be coupled to an actuator and a second side to be rotatably coupled at an end of the bonnet to enable a rotational position of the mounting assembly to change relative to the bonnet.

No. of Pages: 17 No. of Claims: 21

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ENCLOSED PROXIMITY SWITCH ASSEMBLY

(51) International classification	:H01H 36/00	(71)Name of Applicant:
(31) Priority Document No	:61/580984	1)GENERAL EQUIPMENT AND MANUFACTURING
(32) Priority Date	:28/12/2011	COMPANY INC. D/B/A TOPWORX INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :3300 Fern Valley Road Louisville KY
(86) International Application No	:PCT/US2012/070791	40213 U.S.A.
Filing Date	:20/12/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/101625	1)LAFOUNTAIN Robert Lynn
(61) Patent of Addition to Application	:NA	2)MERRIFIELD Gregory Curtis
Number	:NA	3)SIMMONS Michael John
Filing Date	.11/1	4)PATE Brian Phillip
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An enclosed proximity switch assembly includes a top enclosure and a bottom enclosure that are coupled to form an interior volume. A shaft protrusion upwardly extends from a top surface of the top enclosure and an interior bore portion having an enclosed volume is defined within the shaft protrusion to form a portion of the interior volume. A first end of a vertical shaft is rotatably disposed within the interior bore portion such that the shaft rotates relative to the top and bottom enclosures. A samarium cobalt target magnet is coupled to the shaft and the target magnet interacts with a samarium cobalt driver magnet within a proximity switch when the target magnet is rotated within a predetermined distance of a top portion of the proximity switch. The interaction causes a switch to move from a first state to a second state or vice versa.

No. of Pages: 36 No. of Claims: 20

(21) Application No.726/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : FILTERING METHOD FOR REMOVING BLOCK ARTIFACTS AND/OR RINGING NOISE AND APPARATUS 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:H04N19/14 :2002-5742 :31/01/2002 :Republic of Korea :NA :NA :NA :NA :NA :NA	Korea (72)Name of Inventor: 1)Jeong-hoon Park 2)Yong-je Kim 3)Yung-lyul Lee
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#### (57) Abstract:

Provided are a filtering method and apparatus for removing blocking artifacts and ringing noise. The filtering method includes transforming video data in a block-by-block basis, and detecting the presence of an edge region in the video data by checking the distribution of values obtained by the transformation. Accordingly, it is possible to completely remove blocking artifacts and/or ringing noise by more effectively detecting the presence of an edge region in the video data.

No. of Pages: 32 No. of Claims: 3

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PACKET SCHEDULING METHOD AND APPARATUS

(51) International classification	:H04L12/56	(71)Name of Applicant:
(31) Priority Document No	:13/080574	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:05/04/2011	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/IB2012/051634	1)LYNCH Timothy
Filing Date	:03/04/2012	2)LAM Peter
(87) International Publication No	:WO 2012/137136	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Improved packet scheduling methods and apparatuses for use in among other things a network interface of a router (or other network element) are described herein. In one such improved method packets buffered in a network interface are segmented for transmission on a communications link into multiple scheduling domains each being represented by a scheduling tree each scheduling tree is assigned to a separate virtual port scheduling engine and a top level scheduling engine is employed to schedule between the outputs of the virtual port scheduling engines to make the final choice of which buffered packet to transmit on the communications link (e.g. to move to the transmit queue of the network interface). By having the virtual port scheduling engines operate in parallel and substantially independently of each other the rate at which packet can be moved into the transmit queue may increase greatly thereby increasing the bandwidth of the network interface of the router.

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

(22) Date of filing of Application :17/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CONTAINER AND CONTAINER ENGAGING MEMBER SUITABLE FOR VACUUM ASSISTED FILTRATION

<ul> <li>(51) International classification</li> <li>(31) 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>	:61/968,532 :21/03/2014 :U.S.A. :NA :NA	Address of Applicant :290, Concord Road Billerica, MA 01821, USA U.S.A. (72)Name of Inventor:  1)CHRIS SCOTT
<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)PAUL SYDLOWSKI 3)KURT GREENIZEN 4)JAY DOYLE

#### (57) Abstract:

A container and a container engaging member. The container engaging member may include a sample holder or reservoir, a filtration element and collar. In the assembled condition, the sample holder or reservoir is upstream of the filtration element, the container is downstream of the filtration element, and the sample holder or reservoir is attached to the container. The container engagement member is engageable and disengageable from the bottle or container in a quick attach, quick release manner, such as with only a 90 degree, ½ turn. A tactile and/or audible indication that the engagement is complete is provided.

No. of Pages: 36 No. of Claims: 11

(21) Application No.7328/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: NANOFIBER CONTAINING COMPOSITE STRUCTURES

(51) International :B01D69/12,B01D69/00,B01D71/06

classification

(31) Priority Document No :61/470705 (32) Priority Date :01/04/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/031549

Application No :30/03/2012 Filing Date

(87) International Publication :WO 2012/135679

(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)EMD MILLIPORE CORPORATION

Address of Applicant :290 Concord Road Billerica MA 01821

U.S.A.

(72) Name of Inventor:

1)KAS Onur Y.

2)KOZLOV Mikhail 3)TKACIK Gabriel

4)NHIEM David

5)LEON Sherry Ashby

6)GODDARD Philip

## (57) Abstract:

A composite liquid filtration platform including a composite filtration medium featuring an electrospun polymeric nanofiber layer collected on a porous membrane. When in use, the porous membrane acts as a prefilter used upstream from the polymeric nanofiber layer to remove particles from a liquid stream flowing through the composite filtration structure. The nanofiber layer, positioned downstream from the porous membrane, is used as the retentive layer for critical filtration to provide biosafety assurance, and is responsible for capturing microorganisms like bacteria, mycoplasma or viruses. The composite liquid filtration platform provided herein exhibits permeability advantages over conventional porous membranes or nanofiber mats spun on coarse nonwovens.

No. of Pages: 50 No. of Claims: 20

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: NON PNEUMATIC TIRE WITH ANNULAR SPOKE REINFORCEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/051162 :18/03/2011 :U.S.A.	(71)Name of Applicant:  1)CHEMTURA CORPORATION  Address of Applicant: 199 Benson Road Middlebury CT 06749 U.S.A. (72)Name of Inventor:  1)PALINKAS Richard 2)LASKOWITZ Ian 3)TOPAR Andrew
. ,	:24/02/2012	1)PALINKAS Richard
· /	:WO 2012/128892	
. ,	:NA	3)TOPAR Andrew
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A non-pneumatic tire is provided with an annular reinforcing web (20a, 20b) that reduces the bending of compression spokes (18) formed in the tire and reduces stresses and strains in the tire. The non-pneumatic tire includes an inner hoop member (5) having an inner surface that defines the inner diameter of the tire, and an outer hoop member (8) having a tread groove region that defines the outer diameter of the tire. A disc -shaped central web portion (14) connects the inner and outer hoop members. A plurality of elongated, radially aligned cavities (16) on either side of the central web defines integrally- formed compression spokes (18) which connect the inner and outer hoop members. The annular rein forcing web is located on and affixed to either side of the central web portion and interconnects a mid portion of each spoke (18) to a mid portion of the spokes (18) on either side of it.

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

(21) Application No.7330/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/08/2013 (43) Publication Date: 29/04/2016

(54) Title of the invention: SUCTION UNIT

(51) International :F04D25/06,F04D29/66,A61C17/02 classification

(31) Priority Document No :10 2011 014 359.9

(32) Priority Date :17/03/2011

(86) International Application :PCT/EP2012/001024

:08/03/2012 Filing Date

(33) Name of priority country: Germany

(87) International Publication: WO 2012/123081

(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)DRR DENTAL AG

Address of Applicant : Hpfigheimer Str. 17 74321 Bietigheim

Bissingen Germany (72)Name of Inventor: 1)SCHNEPF J¹/₄rgen 2)H,,GELE Andreas

(57) Abstract:

The invention relates to a compact suction unit (32) suitable for dental and medical purposes wherein the suction machine is equipped with radial impellers (132, 134) having small diameters which are driven at high speed by an electrically commutated electric motor (36). For the purpose of sound insulation the suction machine (34) and the electric motor (36) have a respective water jacket (90; 110) that is limited on the outside by a housing (58) that is made of sound absorbing plastic material.

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

(22) Date of filing of Application :12/09/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MECHANICALLY ACTUATED DIRECTION SENSING ROLLER CLUTCH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:22/02/2013 :WO 2013/126806 :NA :NA	(71)Name of Applicant:  1)ALLISON TRANSMISSION INC.  Address of Applicant: One Allison Way Indianapolis IN 46222 U.S.A. (72)Name of Inventor:  1)SCHOOLCRAFT Brian
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A roller clutch including an outer race an inner race a first engagement member situated between the outer race and the inner race and a second engagement member situated between the outer race and the inner race. The first engagement member is configured to engage the outer race and the inner race to transmit torque between the outer race and the inner race only in response to the inner race turning in a positive direction and applying negative torque to the first engagement member. The second engagement member is configured to engage the outer race and the inner race to transmit torque between the outer race and the inner race in response to the inner race applying positive torque to the second engagement member while the outer race applies negative torque to the second engagement member.

No. of Pages: 28 No. of Claims: 24

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR PACKAGING PRODUCTS PARTICULARLY PORTIONS OF CHOCOLATE OR THE LIKE AND FACILITY FOR IMPLEMENTING THE METHOD

(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant:Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)CERMENO Cesar Carlos

#### (57) Abstract:

The invention relates to a method and facility for packaging products (10), said facility comprising a linear transporter (20) that includes a set of endless conveyor belts (20a) associated with a belt having synchronizing cleats (20b), with a linear pusher (20c) actuated by a parallelogram mechanism (20d) imparting rectilinear motion thereto, as well as with a counter-pusher (20e) which is provided for gripping the product and the sheet of packaging material, and which is driven by a cam or the like. The products are placed in one of the receiving jaws (21a) of a first revolver (21) so as to enter a first heat-sealing station (30) which is designed to seal the fold along the longitudinal edge of the product (10). At the outlet of a folding box, the products are transferred into the recesses (23a) of a second revolver (23) which rotates in the direction opposite the direction of rotation of the first revolver (21). The products are consecutively conveyed into three identical stations (40, 41 and 42) for heat-sealing the end folds, wherein all of the stations consecutively receive the same products. The reason for said plurality of stations is due to the fact that the end folds have more than two sheets of packaging material, and the greater the number of pieces of material, the longer the heat-sealing step takes.

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

(21) Application No.7059/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:07/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: METHOD AND DEVICE FOR ERECTING A TOWER FOR A WIND ENERGY PLANT

(51) International classification:B66C1/10,E04G21/24,E04H12/34 (71)Name of Applicant:

:10 2011 003 164.2 (31) Priority Document No

(32) Priority Date :26/01/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/050729

:18/01/2012

Filing Date

(87) International Publication

:WO 2012/101023

(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)VAN OHLEN Hermann

2)H-LSCHER Norbert

3)HONCZEK Michael

#### (57) Abstract:

The invention relates to a lifting device in particular a crossbeam for lifting a first tower segment of a concrete tower of a wind energy plant by means of a crane comprising at least one securing means for securing the tower segment to the lifting device and at least one release device for releasing a connection between the lifting device and the tower segment.

No. of Pages: 43 No. of Claims: 27

(21) Application No.7665/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/09/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PORTABLE MAGNIFYING DEVICE AND USES 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:21/03/2012 :WO 2013/139003 :NA :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)KONG Qingli
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A portable magnifying device is provided comprising a housing and a viewing plate mounted inside the housing the housing comprises at least one magnifying lens disposed within a top surface of the housing and the viewing plate is configured to support a substrate that can be viewed through the magnifying lens. The portable magnifying device can be used to allow consumers to visually assess the effectiveness of a treatment of a product on a substrate at the micro level.

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

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: APPARATUS AND METHOD FOR SOLDER RECOVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B23K3/08 :328/MUM/2013 :05/02/2013 :India :PCT/EP2014/052065 :03/02/2014 :WO 2014/122100 :NA :NA :NA	(71)Name of Applicant:  1)EVS INT LTD  Address of Applicant: Unit 17 Broadfield Park Seaview Road  Cowes Isle of Wight P031 7US U.K.  (72)Name of Inventor:  1)ATUL Limaye  2)SUNILDUTTA Jog  3)NORMAN Simon Garve
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#### (57) Abstract:

The invention provides an apparatus and a method for recovering good solder for re use from dross. Dross is introduced into a chamber (108) which is heated whilst agitation is provided by means e.g. of an impeller (116). Recovered solder is drained through a drain valve (118) which is suitably thermally activated. Waste can be collected by inversion of the vessel via a motorised pivot.

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

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: DRIVE AXLE SYSTEM AND METHOD FOR ADAPTING A SHIFT SCHEDULE OF A DRIVE **AXLE SYSTEM**

(51) International :B60K23/08,B60K17/36,B60K17/348

classification

(31) Priority Document No :61/778697 (32) Priority Date :13/03/2013 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2014/025600 Application No

:13/03/2014 Filing Date

(87) International :WO 2014/160001 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)DANA HEAVY VEHICLE SYSTEMS GROUP LLC

Address of Applicant :3939 Technology Drive Po Box 1000

Maumee OH 43537 U.S.A. (72)Name of Inventor:

1)MORSCHECK Timothy J.

2) COOPER Kenneth E.

3)ZIECH James F.

4)WESOLOWSKI Steven J. 5)NELLUMS Richard A.

6) REMBOSKI Donald J.

# (57) Abstract:

A drive axle system (10) and a method for adapting a shift schedule of a drive axle system (10) based on an input is provided. The drive axle system (10) comprises a first shaft (18) a first axle assembly (14) a second axle assembly (16) a clutching device (28) a controller (55) and a plurality of sensors (75). The plurality of sensors (75) are in communication with the controller (55) for sensing at least one of an environmental condition and at least one operating condition the drive axle system (10). Based on the information from the plurality of sensors (75) the controller (55) selects one of a plurality of shift schedules and places the clutching device (28) in one of a first position and a second position.

No. of Pages: 63 No. of Claims: 20

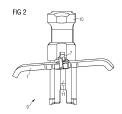
(22) Date of filing of Application :12/03/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR DETERMINING THE TRUE AMOUNT OF AN ACTIVE PRODUCT ENTERING A CATALYTIC DEVICE OF AN EXHAUST LINE OF A VEHICLE

(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 :NA Filing Date :NA (62) Divisional to Application Number Filing Date :NA	(71)Name of Applicant: 1)CONTINENTAL AUTOMOTIVE FRANCE Address of Applicant:1, Avenue Paul Ourliac - 31100 Toulouse - FRANCE France 2)CONTINENTAL AUTOMOTIVE GmbH (72)Name of Inventor: 1)MAERTENS, STEVEN
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#### (57) Abstract:

A subject matter of the present invention is a method for determining a true amount of an active product (6) entering a catalytic device of an exhaust line of a vehicle, in response to the introduction into the exhaust line of a theoretical amount of the active product under the orders of a unit for controlling the catalytic device, the latter comprising: at least one inlet for a mixture comprising the exhaust gases and the active product, and at least one outlet for the exhaust gases, the active product acting inside the catalytic device on the exhaust gases for the purpose of reducing or eliminating the content of a predetermined contaminant, at the outlet of the catalytic device, the content of the contaminant being measured in the exhaust gases by means of a measurement probe (8) sensitive to the contaminant and to the active product and positioned at the outlet of the catalytic device, said method comprising the following stages: (100) introducing, into the exhaust gas stream upstream of the catalytic device, an active flow rate (fNH3base) of active product (6) so that the contaminant and the active product are absent at the measurement probe at the outlet of the catalytic device, (200) increasing the active flow rate of the active product until the second probe measures a given escape content (CNH3escape) of the active product, (300) stabilizing said escape of the active product, via the measurement provided by the probe, at the given escape content, (400a) subsequently ordering the introduction of a theoretical additional test flow rate (fNH3theotest) of the active product into the exhaust gas stream upstream of the catalytic device, by means of the unit for controlling the catalytic device, (400b) waiting until the total content (CNH3tot) of the active product measured in response at the second probe has stabilized, and (500) measuring this stabilized total content, (600) determining the stabilized true additional test flow rate (fNH3truetest) of the active product entering the catalytic device by subtracting the given stabilized escape content of active product from the stabilized total content of the active product and by applying a model for conversion of the content obtained into a flow rate of active product.



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

(21) Application No.7240/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: WATER SOLUBLE NUTRITIONAL COMPOSITIONS COMPRISING CEREAL BETA GLUCAN AND RESISTANT STARCH

(51) International classification :A23L1/00,A23L1/09,A23L1/10 (71)Name of Applicant : (31) Priority Document No

:61/443825 (32) Priority Date :17/02/2011 (33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/024820 Filing Date :13/02/2012

(87) International Publication No: WO 2012/112421 (61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)ABBOTT LABORATORIES

Address of Applicant: 100 Abbott Park Road Dept. 0377

AP6A 1 Abbott Park Illinois 60064 U.S.A.

(72) Name of Inventor: 1)SOMAVAT Romel 2)PATEL Gaurav C.

## (57) Abstract:

Disclosed are nutritional compositions comprising agglomerated and/or co dried particles comprising a cereal beta glucan and a resistant starch. The agglomerated and/or co dried particles improve the cold water solubility of the nutritional compositions. The nutritional compositions may be dryblended powdered nutritional compositions including the agglomerated and/or co dried particles and optionally a Salacia extract.

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

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: CURRENT DENSITY DISTRIBUTOR FOR USE IN AN ELECTRODE

(51) International classification :H01M4/86,H01M4/88,H01M8/02 (71)Name of Applicant :

:26/02/2014

:WO 2014/131799

(31) Priority Document No :13156781.0 (32) Priority Date :26/02/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/053737

No

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

(57) Abstract:

1)VITO NV

Address of Applicant :Boeretang 200 B 2400 Mol Belgium

(72)Name of Inventor: 1)PANT Deepak

2)DOM • NGUEZ BENETTON Xochitl 3)ALVAREZ GALLEGO Yolanda 4)BOUWMAN Bert

The present invention relates to a mesh shaped porous electric current density distributor for use with an electrode the current density distributor being adapted for providing electric current to an active layer of the electrode which active layer is provided to contact a face of the current density distributor wherein the current density distributor comprises a porous mesh having a plurality of electrically conductive paths wherein at least part of the electrically conductive paths extend along a direction of major current flow over the current density distributor. The porous mesh comprises in a direction crosswise to the direction of major electric current flow a plurality of first paths of an electric insulator. The current carrying capacity of the current density distributor in crosswise direction to the major current flow over the current density distributor is smaller than the current carrying capacity in the direction along the major

No. of Pages: 43 No. of Claims: 29

current flow over the current density distributor.

(21) Application No.4934/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/06/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: N- (SUBSTITUTED)- 5 -FLUORO -4- IMINO- 3- METHYL- 2 -OXO- 3, 4- DIHYDROPYRIMIDINE -1 (2H) CARBOXYLATE DERIVATIVES

(51) International :A01N43/54,A61K31/513,A01P3/00

classification

:61/747086 (31) Priority Document No (32) Priority Date :28/12/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/077540

Application No :23/12/2013 Filing Date

(87) International Publication :WO 2014/105844

(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)DOW AGROSCIENCES LLC

Address of Applicant: 9330 Zionsville Road, Indianapolis, IN

46268- 1054 U.S.A. (72) Name of Inventor: 1)LORSBACH, Beth

2)OWEN, W., John 3)YAO, Chenglin 4)STELZER, Lindsay

#### (57) Abstract:

This present disclosure is related to the field of N- (substituted)- 5- fluoro- 4-imino -3- methyl- 2- oxo -3, 4- dihydropyrimidine-1(2H) - carboxylates and their derivatives and to the use of these compounds as fungicides. Also provided are methods of controlling a fungal disease such as Septoria tritici, comprising administering an effective amount of the fungicide compound to at lease one surface associated with the plant, seed or soil.

No. of Pages: 29 No. of Claims: 5

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ANTI IL 12/IL 23 ANTIBODIES AND USES THEREOF

(51) International classification	:C07K16/24,A61K39/395	(71)Name of Applicant:
(31) Priority Document No	:61/460780	1)ABBVIE Inc.
(32) Priority Date	:07/01/2011	Address of Applicant: 1 North Waukegan Road North Chicago
(33) Name of priority country	:U.S.A.	Illinois 60064 U.S.A.
(86) International Application No	:PCT/US2012/020529	(72)Name of Inventor:
Filing Date	:06/01/2012	1)BORHANI David W.
(87) International Publication No	:WO 2012/094623	2)SADHUKHAN Ramkrishna
(61) Patent of Addition to Application	:NA	3)LACY Susan E.
Number	:NA	4)SOUTTER Holly H.
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides antibodies and antigen binding portions thereof that bind to epitopes comprising at least one amino acid residues from residues 1-197 of the p40 subunit of IL-12 and/or IL-23. The invention further provides nucleic acids encoding the antibodies compositions vectors and host cells comprising the antibodies and methods of making and using the same.

No. of Pages: 207 No. of Claims: 49

(21) Application No.5907/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PGC 1ALPHA MODULATING PEPTIDES

(51) International classification	:A61K38/04,C07K7/06	(71)Name of Applicant:
(31) Priority Document No	:201130439	1)LIPOTEC S.A.
(32) Priority Date	:25/03/2011	Address of Applicant :Polgono Industrial Cam Ral. C/ Isaac
(33) Name of priority country	:Spain	Peral 17. E 08850 Gava Spain
(86) International Application No	:PCT/EP2012/055259	(72)Name of Inventor:
Filing Date	:23/03/2012	1)GARC • A ANTN Jos Mara
(87) International Publication No	:WO 2012/130775	2)ALMI'ANA DOMENECH Nuria
(61) Patent of Addition to Application	:NA	3)FERRER MONTIEL Antonio Vicente
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Peptides of general formula (I): R1-Wn-Xm-AA1-AA2-AA3-AA4-AA5-AA6-Yp-Zq-R2 (I) their stereoisomers, mixtures thereof and/or their cosmetically or pharmaceutically acceptable salts, a preparation process, cosmetic or pharmaceutical compositions which contain them and their use in the treatment and/or care of conditions, disorders and/or diseases which improve or are prevented by PGC-1 $\alpha$  modulation.

No. of Pages: 93 No. of Claims: 48

(21) Application No.605/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/01/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONTROL DEVICE AND METHOD OF OPERATING SUCH A 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> <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>	:G05B19/10 :10007954.0 :29/07/2010 :EPO :PCT/EP2011/003502 :13/07/2011 :WO 2012/013299 :NA :NA	(71)Name of Applicant:  1)ORANGEDENTAL GMBH & CO. KG Address of Applicant: Aspachstrasse 11 88400 Biberach Germany (72)Name of Inventor:  1)LAXHUBER Ludwig 2)PIERNITZKI Bernhard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A control device (10) is provided by the present invention. The control device comprises a base element (12) and an actuation element (14) that is supported by the base element (12). The actuation element (14) can be moved relative to the base element (12) for actuating different functions provided by the control device (10). The control device (10) is configured to be operated in two modes namely a calibration mode and a control mode. In the calibration mode the control device (10) is configured to define different functions of the control device (10). In the control mode the control device (10) is configured to perform the functions defined in the calibration mode by an actuation of the actuation element (14).

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

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FUSED TETRA OR PENTA-CYCLIC PYRIDOPHTHALAZINONES AS PARP INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D471/14, C07D471/04 :NA :NA :NA :PCT/CN2011/085155 :31/12/2011 :WO 2013/097226 :NA :NA :NA	(71)Name of Applicant:  1)BEIGENE LTD.  Address of Applicant:Mourant Ozannes Corporate Services (Cayman) Limited Harbour Centre 42 North Church Street PO Box 1348 Grand Cayman KY1 1108 Cayman Island (72)Name of Inventor:  1)ZHOU Changyou 2)REN Bo 3)WANG Hexiang
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(57) Abstract:

Provided are certain fused tetra or penta cyclic compounds and salts thereof compositions thereof and methods of use thereof.

No. of Pages: 72 No. of Claims: 11

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: COLD ROLLED STEEL SHEET AND MANUFACTURING METHOD THEREFOR

(51) International classification:C22C38/00,C21D9/46,C22C38/06 (71)Name of Applicant:

:WO 2014/162661

(31) Priority Document No :2013076860 (32) Priority Date :02/04/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/001265

:07/03/2014 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

(57) Abstract:

1) JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72) Name of Inventor:

1)SAITO Havato

2)KOBAYASHI Takashi 3)FUNAKAWA Yoshimasa

Provided are a cold rolled steel sheet with excellent blanking quality and heat strain resistance and a manufacturing method therefor. A cold rolled steel sheet with a Vickers hardness of at least Hv 170 comprising: a composition containing in mass% C: 0.01% to 0.08% Si: 0.01% to 1.0% Mn: 0.05% to 1.0% P: not more than 0.03% S: not more than 0.015% Al: 0.005% to 0.10% and N: not more than 0.01% the remainder being obtained from Fe and unavoidable impurities; and a structure wherein the area ratio of ferrite phases is at least 80% the total area ratio of hard phases obtained from pearlite phases and/or bainite phases is not more than 20% the mean particle diameter for the hard phases is 1 µm to 10 µm and the mean aspect ratio for the hard phases is not more than 10.0.

No. of Pages: 41 No. of Claims: 11

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ENHANCER OF CELL DIVISION

(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	C07K14/405 61/441692 11/02/2011 U.S.A. PCT/GB2012/050305 10/02/2012 WO 2012/107780 NA NA NA	<ul> <li>(71)Name of Applicant:</li> <li>1)UNIVERSITY OF EAST ANGLIA     Address of Applicant: Norwich Research Park Norwich     Norfolk NR4 7TJ U.K.</li> <li>2)UNIVERSITY OF WASHINGTON THROUGH ITS     CENTER FOR COMMERCIALIZATION     (72)Name of Inventor:     1)MOCK Thomas     2)HIPKIN Rachel Elizabeth</li> </ul>
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#### (57) Abstract:

The present invention relates to a polypeptide (BIG1) and variants thereof capable of enhancing the rate of cell division of a microorganism or plant cell as well as nucleic acid molecules encoding said polypeptides vectors comprising said nucleic acid molecules and host cells transformed or transfected with said vectors and expressing said polypeptides. The BIG1 polypeptide which has been identified in the marine centric diatom Thalassiosira pseudonana variants thereof and nucleic acids encoding these may be used in methods of enhancing the rate of cell division of microorganisms plant cells or plants which produce useful substances or exhibit useful properties to increase the yield thereof.

No. of Pages: 79 No. of Claims: 39

(21) Application No.7045/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: CRANK DRIVE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16C9/02,F16C9/04 :102011013264.3	(71)Name of Applicant: 1)THYSSENKRUPP METALURGICA CAMPO LIMPO
(32) Priority Date	:07/03/2011	LTDA
(33) Name of priority country	:Germany	Address of Applicant :Av. Alfried Krupp 1050 13231 0900
(86) International Application No	:PCT/IB2012/000423	Campo Limpo Paulista Sao Paolo Brazil
Filing Date	:05/03/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/120362	1)RODRIGUES Alex de Souza
(61) Patent of Addition to Application	:NA	2)GALLI Luis Antonio Fonseca
Number		3)OLIVEIRA Walter Tavares
Filing Date	:NA	4)GUERREIRO Sergio Stefano
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a crank drive comprising a crankshaft journal (2) that has a concave-shaped surface (1), comprising a bearing element (3) in which the crankshaft journal (2) is rotatably mounted, and comprising a bearing shell (4) which is arranged between the crankshaft journal (2) and the bearing element (3) and which has a first convex-shaped surface (5) that is paired with the concave-shaped surface (1) of the crankshaft journal (2). The bearing shell (4) has a second surface (6) which is associated with the bearing element (3) and which is designed such that the bearing shell (4) has a non-constant cross section when seen in the longitudinal direction of the crankshaft journal (2). The bearing element (3) surface that faces the bearing shell (4) is adapted to the second surface (6) of the bearing shell (4) with respect to the shape of the bearing element surface, and the second surface (6) of the bearing shell (4) is cylindrical or is concave and has a smaller curvature than the concave-shaped surface (1) of the crankshaft journal (2).

No. of Pages: 15 No. of Claims: 1

(19) INDIA

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

(21) Application No.7048/DELNP/2013 A

(43) Publication Date: 29/04/2016

# (54) Title of the invention: ANTICOAGULANT ANTIDOTES

		(71)Name of Applicant:
(51) International classification	:A61P39/02,C07K16/44	1)BOEHRINGER INGELHEIM INTERNATIONAL
(31) Priority Document No	:61/469207	GMBH
(32) Priority Date	:30/03/2011	Address of Applicant :Binger Strasse 173 55216 Ingelheim
(33) Name of priority country	:U.S.A.	Am Rhein Germany
(86) International Application No	:PCT/EP2012/055397	(72)Name of Inventor:
Filing Date	:27/03/2012	1)VAN RYN Joanne
(87) International Publication No	:WO 2012/130834	2)CANADA Keith
(61) Patent of Addition to Application	:NA	3)COPENHAVER Robert
Number	:NA	4)HAUEL Norbert
Filing Date	.NA	5)LITZENBURGER Tobias
(62) Divisional to Application Number	:NA	6)SARKO Christopher Ronald
Filing Date	:NA	7)SINGH Sanjaya
		8)WATERMAN Alisa K.

# (57) Abstract:

The present invention relates to antibody molecules against anticoagulants in particular dabigatran and their use as antidotes of such anticoagulants.

No. of Pages: 127 No. of Claims: 48

(21) Application No.7049/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: S1P MODULATING AGENTS

(51) International classification :A01N43/40,A61K31/445
(31) Priority Document No :61/440254
(32) Priority Date :07/02/2011
(33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

(87) International Publication No :WO 2012/109108

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
:NA

(62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant : 1)BIOGEN IDEC MA INC.

Address of Applicant: 14 Cambridge Center Cambridge MA

02142 U.S.A.

(72)Name of Inventor: 1)THOMAS Jermaine

2)MI Sha

3)LIN Edward Yin shiang

4)ZHENG Guo Zhu

5)MA Bin

6)CALDWELL Richard D.

7)GUCKIAN Kevin

8)KUMARAVEL Gnanasambandam

# (57) Abstract:

Compounds of formula (I) or (II) can modulate the activity of SIP receptors.

No. of Pages: 152 No. of Claims: 32

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR TRANSPARENTLY INJECTING POLICY IN A PLATFORM AS A SERVICE INFRASTRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:10/03/2014 :WO 2014/159270 :NA	(71)Name of Applicant: 1)APCERA INC. Address of Applicant:85 2nd Street Suite 125 San Franscisco CA 94105 U.S.A. (72)Name of Inventor: 1)COLLISON Derek 2)CATHERMAN Brady 3)SMITH Justin Joseph 4)KHAZANOVSKY Kirill	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)ROBERTSON Kenneth Michael	
Number Filing Date (62) Divisional to Application Number	:NA :NA	4)KHAZANOVSKY Kirill	

#### (57) Abstract:

A system and method for enforcing policy in a computing environment with a plurality of hosts that includes establishing a policy update specified through a namespaced addressing syntax; publishing the policy update to a set of components associated with a referenced component namespace; at a host of the set of components authenticating the policy update; at the host locally verifying policy compliance of an operation request by the host directed towards at least a second component; applying results of verifying the policy compliance of the operation request within a communication channel flow which comprises routing the operational request through the communication channel to the second component if the operational request is permitted and preventing the operational request if the operational request is not permitted.

No. of Pages: 59 No. of Claims: 22

(21) Application No.6474/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ACOUSTIC BUILDING MATERIAL EMPLOYING CHITOSAN

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C04B24/38,E04B9/04,E04B1/82 :61/427643 :28/12/2010	(71)Name of Applicant: 1)USG INTERIORS LLC Address of Applicant:550 West Adams Street #189 Chicago
(33) Name of priority country	:U.S.A.	IL 60661 3676 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/067562 :28/12/2011	(72)Name of Inventor : 1)ALBARRAN Enrique L.
(87) International Publication No	:WO 2012/092358	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
<ul><li>(62) Divisional to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	

# (57) Abstract:

A cast ceiling tile and method for manufacture incorporates chitosan in an amount sufficient to provide improved strength and to enhance the dewatering of the slurry used to form the tile.

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

(21) Application No.6925/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: HERBICIDAL COMPOSITIONS COMPRISING TOPRAMEZONE AND PINOXADEN

(51) International :A01N43/80,A01N43/90,A01P13/00 classification

(31) Priority Document No :61/441664 (32) Priority Date :11/02/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/EP2012/052248

Application No :10/02/2012 Filing Date

(87) International Publication :WO 2012/107539

(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 SE

Address of Applicant: 67056 Ludwigshafen Germany

(72)Name of Inventor: 1)ZAGAR Cyrill

2) VAN DER KLOET Andree

## (57) Abstract:

The present invention relates to herbicidal compositions comprising topramezone and pinoxaden and optionally a herbicide safener compound such as cloquintocet. The present invention also relates to the use of these compositions for controlling undesirable vegetation in particular in crops.

No. of Pages: 46 No. of Claims: 29

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A FERMENTATED MATERIAL AND PRODUCT CONTAINING THE SAME

(51) International classification :A23L 1/20
(31) Priority Document No :2005/352337
(32) Priority Date :06/12/2005
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2006/32

(86) International Application No :PCT/JP2006/324255
Filing Date :05/12/2006
(87) International Publication No :WO 2007/066655

(87) International Publication No :WO 2007 (61) Patent of Addition to Application :NA

Number :NA Filing Date :NA

(62) Divisional to Application Number :5178/DELNP/2008

Filed on :16/06/2008

(71)Name of Applicant:

1)OTSUKA PHARMACEUTICAL CO., LTD.

Address of Applicant :9, KANDA-TSUKASAMACHI 2-CHOME, CHIYODA-KU, TOKYO 1018535, JAPAN Japan

(72)Name of Inventor: 1)HIROYUKI KIMURA 2)TOMOMI UENO 3)TOSHIMI SUZUKI

4)KENTARO TADANO 5)SHIGETO UCHIYAMA

6)MASAHIRO OONO 7)MASATOSHI MIZUNO 8)TAKESHI YAMAUCHI

#### (57) Abstract:

The present invention related to a fermentated material comprising (a) I to 20 mg of equal and (b) 0.05 to 2.5 mg of at least one genistein compound selected from the group consisting of genistin, malonylgenistin, acetylgenistin, genistein and dihydrogenistein per I g of the fermented material on a dry weight basis and a food pharmaceutical, or cosmetic product containing the fermented material.

No. of Pages: 30 No. of Claims: 13

(21) Application No.7223/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: IN WHEEL MOTOR DRIVING 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>	:B60K7/00,H02G1/14 :2011033870 :18/02/2011 :Japan :PCT/JP2012/051915 :30/01/2012 :WO 2012/111412 :NA :NA	(71)Name of Applicant:  1)NTN CORPORATION  Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku Osaka shi Osaka 5500003 Japan (72)Name of Inventor:  1)AKAMATSU Yoshinobu 2)YAMAMOTO Tetsuya
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

The problem to be solved is to reduce bad influence exerted by inner moisture on an in wheel motor driving apparatus. The in wheel motor driving device comprises a driving device disposed in a wheel and including a wheel hub bearing for driving the wheel wherein a portion of the driving device not including the wheel hub bearing is accommodated in a hermetical case (22) to isolate the driving device from outer air and if necessary air filling the case (22) is replaced with inert gas so as to prevent condensation in the case (22) and bad influence of moisture on the inside of the case (22).

No. of Pages: 36 No. of Claims: 9

(21) Application No.7224/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TIMING CHAIN DRIVE DEVICE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2011037504	1)NTN CORPORATION
(32) Priority Date	:23/02/2011	Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5500003 Japan
(86) International Application No	:PCT/JP2012/054208	(72)Name of Inventor:
Filing Date	:22/02/2012	1)KATO Akio
(87) International Publication No	:WO 2012/115126	2)YAMASHITA Takahiro
(61) Patent of Addition to Application	:NA	3)ABE Katsufumi
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a timing chain drive device that has high strength and little sliding resistance in a surface that comes in contact with a timing chain and is resistant to abrasion even if the timing chain traveling at high speed comes in contact with said device. A first chain guide (5a) and a second chain guide (5b) that apply tensile strength such that the timing chain (1) does not become slack are positioned therein and a plurality of rollers (12) provided with rolling support by roller members are arranged in the first chain guide (5a) and the second chain guide (5b) so as to come in contact with the timing chain (1).

No. of Pages: 29 No. of Claims: 5

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: OPENING STRUCTURE OF VEHICLE BODY REAR PART

(51) International :B62D25/08,B62D25/02,B62D25/06

classification

(31) Priority Document No :2014020212 (32) Priority Date :05/02/2014 (33) Name of priority country: Japan

(86) International :PCT/JP2015/052935

Application No :03/02/2015

Filing Date

(87) International Publication :WO 2015/119097

(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) SUZUKI MOTOR CORPORATION

Address of Applicant :300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

(72) Name of Inventor: 1)MOCHIZUKI Shinei

#### (57) Abstract:

High rigidity is ensured while weight is reduced with few reinforcing members for torsion occurring in a vehicle body. In the top part of an opening (1) for installing a back door of a vehicle body rear part a reinforcing member structural body (5) is arranged on the inner sides of a roof panel (6) and a side body panel (7) along the general form of the opening in the vehicle width direction; the reinforcing member structural body (5) has a bottom wall surface continuing at a constant width by means of front and rear ridgelines (35L 37L); the reinforcing member structural body is formed into a substantial L shape in cross section having a top wall (16) a front side vertical wall (12) and a bottom wall (13) corresponding to a flat part in the center of the roof panel; and a curve shaped part (34) having a closed cross sectional shape connected from the roof panel to the side body panel at the vehicle widthwise end side is formed in the reinforcing member structural body (5). The top wall (16) which has a narrowing front rear width (W4) in the center thereof curves downward continuously from the roof panel toward the side body panel together with extending farther outward in the vehicle width direction and the front rear width (W3) of the top wall (17) gradually widens in the curve shaped part (34).

No. of Pages: 41 No. of Claims: 4

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR PROTECTING WIND TURBINES FROM EXTREME EVENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F03D7/00 :1100856.2 :18/01/2011 :U.K. :PCT/DK2011/050481 :15/12/2011 :WO 2012/097814 :NA :NA :NA	(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)CREABY Justin 2)BOWYER Robert 3)SPRUCE Chris
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#### (57) Abstract:

A wind turbine has a Lidar (20) device to sense wind conditions upstream of the wind turbine. Signals from the wind turbine are processed to detect an extreme change in wind direction. The detection is performed by differentiating the rate of change of wind direction and filtering for a period of time. On detection of extreme change the system controller takes the necessary evasive action which may include shutting down the turbine commencing an immediate yawing action and de rating the turbine until the yawing action is complete.

No. of Pages: 19 No. of Claims: 24

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR DETECTING DAMAGE TO A WIND TURBINE BLADE

(51) International classification :G01M5/00,F03D7/00,F03D11/00 (71)Name of Applicant : (31) Priority Document No :1102640.8 1) VESTAS WIND SYSTEMS A/S (32) Priority Date :15/02/2011 Address of Applicant: Hedeager 44 DK 8200 Aarhus N (33) Name of priority country :U.K. Denmark (86) International Application (72) Name of Inventor: :PCT/DK2012/050053 No 1)GLAVIND Lars :14/02/2012

Filing Date
(87) International Publication
No

2)OLESEN Ib Svend
3)HANCOCK Mark
4)CRAVEN Richard

(61) Patent of Addition to
Application Number :NA
Filing Date
(62) Divisional to Application
Number :NA
:NA

Number :NA Filing Date :NA

(57) Abstract:

A system and method of detecting damage to a wind turbine blade (5) uses one or more fluorescent optical fibres (12, 32) comprising a fluorescent material having an excitation wavelength that is selected such that the material fluoresces upon exposure to ambient radiation at the wind turbine blade wherein the one or more optical fibres (12.32) are operatively mounted within the wind turbine blade such that upon damage to the wind turbine blade at least a part of the optical fibre is exposed at the surface of the blade causing the optical fibre to fluoresce; a light detector(14, 34)for receiving a light signal from one or from both ends of the one or more optical fibres upon excitation of the fluorescent material and outputting a signal based on the light signal; and a controller coupled to the light detector (14, 34) to receive the signal.

No. of Pages: 22 No. of Claims: 30

(22) Date of filing of Application :16/09/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MRI SYSTEM FOR MARGIN ASSESSMENT OF EX-VIVO SAMPLE

(51) International classification (31) Priority Document No	:G01R 33/30 :61/613587	(71)Name of Applicant: 1)CLEAR CUT MEDICAL LTD.
(32) Priority Date	:21/03/2012	Address of Applicant :10 Plaut Street 76706 Rehovot Israel
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2013/032898	1)GOLAN Erez
Filing Date	:19/03/2013	
(87) International Publication No	:WO 2013/142459	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system for margin assessment of an ex vivo tissue (25) is provided including a magnetic resonance imaging (MRI) scanner (14) controlled by a control unit (12) and a tissue container (24) for holding a sample of an ex vivo tissue (25). The MRI scanner (14) includes a coil magnet assembly (31) including magnets (34) wherein the tissue (25) placed in the container (24) is placed under a constant static magnetic field (Bo) which is induced by the magnets (34) and the container (24) is positioned so the sensitive region is within a measured field of view (FOV) excited by one or more transmit/receive coils (38) operative to generate a time varying RF B1 electro magnetic field pointing towards the tissue (25) and wherein the container (24) is fixed on a moving table (40).

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

(21) Application No.7858/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: MIXTURE OF FATTY ACIDS FOR USE IN THE TREATMENT OF INFLAMMATORY **PATHOLOGIES**

(51) International :A61K31/20,A61K31/201,A61K31/202

:04/03/2014

classification (31) Priority Document

:MI2013A000354

:08/03/2013 (32) Priority Date

(33) Name of priority :Italy

country

(86) International :PCT/EP2014/054163

Application No Filing Date

(87) International

:WO 2014/135529 **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)AGAIN LIFE ITALIA SRL

Address of Applicant : Via Lago DOrta 1 Palazzo Work I

36015 Schio (VI) Italy (72) Name of Inventor:

1)BURATTIN Lodovico

# (57) Abstract:

This invention relates to a mixture of at least three fatty acids selected from palmitic acid oleic acid stearic acid linoleic acid alpha linolenic acid gamma linolenic acid eicosapentaenoic acid (EPA) docosahexaenoic acid (DHA) azelaic acid and myristic acid. This invention also relates to the use of the aforesaid mixture in the treatment of inflammatory pathologies.

No. of Pages: 57 No. of Claims: 33

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: C 19 MODIFIED TRITERPENOIDS WITH HIV MATURATION INHIBITORY ACTIVITY

(51) International :C07J63/00,A61K31/56,A61K31/18

classification

(31) Priority Document No :61/761403 (32) Priority Date :06/02/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/014647

:04/02/2014

Filing Date

(87) International Publication :WO 2014/123889

(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)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and Province Line Road

Princeton New Jersey 08543 U.S.A.

(72) Name of Inventor:

1)SWIDORSKI Jacob 2) VENABLES Brian Lee

3)LIU Zheng 4)SIN Ny

5)MEANWELL Nicholas A. 6)REGUEIRO REN Alicia

(57) Abstract:

Compounds having drug and bio affecting properties their pharmaceutical compositions and methods of use are set forth. In particular C 19 modified triterpenoids that possess unique antiviral activity are provided as HIV maturation inhibitors as represented by compounds of Formulas (I) and (II) wherein R1 is as defined herein and does not represent either an isopropyl or isopropenyl group: (Formula (I)) and (Formula (II)). These compounds are useful for the treatment of HIV and AIDS.

No. of Pages: 324 No. of Claims: 12

(21) Application No.7711/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 29/04/2016

### (54) Title of the invention: VINYL CHLORIDE BASED RESIN EMULSION METHOD FOR PRODUCING SAME WATER BASED INK AND RECORDING PAPER

(51) International

:C08F265/06,B41M5/00,B41M5/50 classification

(31) Priority Document No :2011060533 (32) Priority Date :18/03/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/056512

No :14/03/2012

(87) International Publication :WO 2012/128138

Filing Date

(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) Nissin Chemical Industry Co. Ltd.

Address of Applicant: 17 33 Kitago 2 chome Echizen shi

Fukui 9150802 Japan (72) Name of Inventor: 1)MITTA Yasuhiro 2)GAMA Yuji

# (57) Abstract:

A vinyl chloride based resin emulsion obtained by using a vinyl chloride based polymer emulsion which is obtained by subjecting a vinyl chloride monomer (B) or a monomer mixture comprising a vinyl chloride monomer (B) and an ethylenically unsaturated group containing monomer (C) to emulsion polymerization in the presence of (A) a styrene acrylic acid ester oligomer and/or an acrylic acid ester oligomer as a seed (D) and subjecting a vinyl chloride monomer (E) or a monomer mixture comprising a vinyl chloride monomer (E) and an ethylenically unsaturated group containing monomer (F) to emulsion polymerization using the seed (D). This vinyl chloride based resin emulsion exhibits excellent water resistance moisture resistance high gloss and alcohol resistance if used in a water based ink and exhibits excellent color development properties water resistance moisture resistance color visibility high gloss and release properties if used in a recording paper.

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

(22) Date of filing of Application :26/03/2008

(43) Publication Date: 29/04/2016

# (54) Title of the invention : BENZOPHENONE-PIPERAZINE LINKED PYRROLO[2,1-C][1,4]BENZODIAZEPINE HYBRIDS AS POTENTIAL ANTICANCER AGENTS AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:C07D487/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)AHMED KAMAL
(61) Patent of Addition to Application Number	:NA	2)BANDARI RAJENDRA PRASAD
Filing Date	:NA	3)ADLA MALLA REDDY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a compound of general formula 5a-e, useful as potential antitumour agents against human cancer cell lines. The present invention further provides a process for the preparation of pyrrolo[2,1-c][1,4]benzodiazepine hybrids of general formula 5a-e

No. of Pages: 27 No. of Claims: 23

(21) Application No.7871/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: EXTRACELLULAR MATRIX BINDING SYNTHETIC PEPTIDOGLYCANS

(51) International classification	:C07K19/00,A61K38/00	(71)Name of Applicant:
(31) Priority Document No	:61/798916	1)PURDUE RESEARCH FOUNDATION
(32) Priority Date	:15/03/2013	Address of Applicant :1281 Win Hentschel Blvd., West
(33) Name of priority country	:U.S.A.	Lafayette, Indiana 47906 (US) U.S.A.
(86) International Application No	:PCT/US2014/029596	(72)Name of Inventor:
Filing Date	:14/03/2014	1)PANITCH Alyssa
(87) International Publication No	:WO 2014/144969	2)PADERI John Eric
(61) Patent of Addition to Application	:NA	3)SHARMA Shaili
Number	:NA	4)STUART Katherine Allison
Filing Date	.IVA	5)VAZQUEZ PORTALATIN Nelda Marie
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

This disclosure provides extracellular matrix binding synthetic peptidoglycans comprised of one or more synthetic peptides conjugated to a glycan and methods of their use.

No. of Pages: 39 No. of Claims: 29

(22) Date of filing of Application :07/09/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: STAINLESS STEEL SHEET FOR METAL MASK

(51) International classification:C22C38/00,C21D9/46,C22C38/58 (71)Name of Applicant:

(31) Priority Document No :2011078322 (32) Priority Date :31/03/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/058700

:30/03/2012

Filing Date :WO 2012/133833

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)NISSHIN STEEL CO. LTD.

Address of Applicant: 4 1 Marunouchi 3 chome Chiyoda ku

Tokyo 1008366 Japan

(72) Name of Inventor:

1)HIRAKAWA Naoki

2)FUJIMOTO Hiroshi 3)TOMIMURA Kouki

### (57) Abstract:

Provided is a stainless-steel sheet for metal masks which is inexpensive, has high strength, generates little dross to attain high productivity, and has excellent durability. This steel sheet contains, in terms of mass%, up to 0.15% C, up to 2.0% Si, up to 4.0% Mn, up to 0.04% P, up to 0.03% S, up to 4.0% Ni, 10-20% Cr, and up to 0.12% N, with the remainder comprising Fe and incidental impurities. The steel sheet has a ymax value of 70-90 and has a metallographic structure which is a two-phase structure consisting of a ferrite phase and a martensite phase. The steel sheet has a solidification completion temperature of 1,450°C or higher. The steel sheet has a solid-liquid coexistence range during the period from a molten state to solidification of 30°C or less.

No. of Pages: 33 No. of Claims: 5

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR LOW DATA RATE COMMUNICATION OVER A CARRIER CURRENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:14/03/2014 :WO 2014/140251 :NA :NA	(71)Name of Applicant:  1)MERSEN FRANCE SB SAS Address of Applicant:15 rue Jacques Vaucanson F 69720 Saint Bonnet De Mure France (72)Name of Inventor: 1)POZSGAY Andras 2)WELLIG Armin
- 14/	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a system for low data rate communication over a modulated direct carrier current having one or more communication transmitters (6 8) a communication receiver (10) and a wire bus (12) forming a shared transmission channel. Each communication transmitter (6 8) is configured to form a first raw staggered transmission frame according to a second staggered transmission frame said staggered transmission frames using a set of separate basic chip encoding sequences. The basic encoding sequences for staggering the symbols used by all the communication transmitters (4 6) are identical and the times of the initial transmission of the second staggered frames produced by each transmitter (6 8) are autonomously and freely determined by each transmitter (6 8) without taking into account any synchronization signal external to the transmitter (6 8).

No. of Pages: 49 No. of Claims: 14

(21) Application No.7003/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/08/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : COMMUNICATION SYSTEM CONTROL DEVICE COMMUNICATION DEVICE INFORMATION RELAYING METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H04L12/56 :2012062222 :19/03/2012 :Japan :PCT/JP2013/057609 :18/03/2013 :WO 2013/141193	(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)YOSHIDA Hirokazu 2)TAKASHIMA Masanori
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a communication means for exchanging information needed for interoperation between a plurality of control devices. This communication system includes the following: a communication device that processes packets in accordance with control information set by control devices; a first control device that controls the communication device by setting the aforementioned control information in the communication device; and a second control device that operates in concert with the first control device. The first control device sends to the second control device via the communication device information needed for the interoperation between the first and second control devices.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

### (54) Title of the invention: FLASHBACK BLOOD COLLECTION NEEDLE

:A61B5/153,A61B5/154 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BECTON DICKINSON AND COMPANY :13/018740 (32) Priority Date Address of Applicant: 1 Becton Drive Franklin Lakes New :01/02/2011 (33) Name of priority country :U.S.A. Jersey 07417 U.S.A. (86) International Application No :PCT/US2011/023423 2)MOH Yaohan Jon (72) Name of Inventor: Filing Date :02/02/2011 (87) International Publication No :WO 2012/105968 1)TAN Chee Leong Alvin (61) Patent of Addition to Application 2)SIM Tiong Yee :NA Number 3)NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A needle assembly includes a transparent or translucent housing with a fluid inlet and outlet end a flashback chamber and a venting mechanism therebetween. The venting mechanism includes a blocking member to control the fluid flow in the venting mechanism so that it flows along the longest path through the vent. Substantially axially aligned inlet and outlet cannulas extend from the housing and communicate with the chamber. A sealable sleeve covers the external end of the outlet cannula. Relative volumes of the cannulas the chamber and the sleeve are selected to provide rapid reliable flashback indicative of venous entry with an internal vent positioned within the housing to divide the interior into first and second chambers with the second chamber being adapted to maintain a negative pressure therein relative to the external environment so as to inhibit leakage of blood from the needle tip on withdrawal from the patient.

No. of Pages: 77 No. of Claims: 37

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: DEVICE AND METHOD FOR PRODUCING TUBES FOR PACKAGING TUBES

(51) International :B29C53/50,B29C53/82,B29C53/84 classification

(31) Priority Document No :10 2011 008 068.6

(32) Priority Date :07/01/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/050042

:03/01/2012 Filing Date

(87) International Publication :WO 2012/093112

(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)PACKSYS GLOBAL (SWITZERLAND) LTD.

Address of Applicant: Joweid Zentrum 1 CH 8630 R1/4ti

Switzerland

(72) Name of Inventor: 1)SCHUHN Daniel

The invention relates to a device for producing tubes for packaging tubes, comprising an elongated mandrel (3), around which a substrate web can be shaped in order to produce a tubular form (4), which surrounds the mandrel (3) and can be conveyed along the mandrel (3) in a conveying direction (R), welding means (9) for welding the substrate web along a welding region in order to form a weld (11), and at least one first welding strip (34), which can be conveyed together with the tubular form (4) and which secures the tubular form in a contact region of the substrate web where said web overlaps by clamping the substrate web between the first welding strip (34) and a clamping partner, in particular a second welding strip (35). Furthermore, means (13) are provided for expanding the tubular form (4), which is secured by the first welding strip (34) and the clamping partner, by plastically elongating the substrate web in the circumferential direction.

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

(21) Application No.7900/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : SUBSTITUTED 3 PHENYLPROPYLAMINE DERIVATIVES FOR THE TREATMENT OF OPHTHALMIC DISEASES AND DISORDERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C215/30 :61/777903 :12/03/2013 :U.S.A. :PCT/US2014/023751 :11/03/2014 :WO 2014/164905 :NA :NA :NA	(71)Name of Applicant: 1)ACUCELA INC. Address of Applicant:1301 Second Avenue Suite 1900 Seattle Washington 98101 U.S.A. (72)Name of Inventor: 1)KUKSA Vladimir A. 2)ORME Mark W. 3)HONG Feng 4)KUBOTA Ryo
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#### (57) Abstract:

The present invention relates generally to compositions and methods for treating neurodegenerative diseases and disorders, particularly ophthalmic diseases and disorders. Provided herein are substituted 3-phenylpropylamine derivative compounds and pharmaceutical compositions comprising said compounds. The subject compositions are useful for treating and preventing ophthalmic diseases and disorders, including age-related macular degeneration (AMD) and Stargardts Disease.

No. of Pages: 162 No. of Claims: 20

(21) Application No.7290/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MAGNETIC COUPLINGS

<ul> <li>(51) International classification</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>	:H02K49/10 :1100826.5 :18/01/2011 :U.K. :PCT/GB2012/050103	1 '
	:PCT/GB2012/050103 :18/01/2012 :WO 2012/098395 :NA :NA :NA	2)ILIUTA Radu (72)Name of Inventor : 1)BREMNER Christopher 2)ILIUTA Radu

#### (57) Abstract:

A magnetic coupling (20) comprises first and second coupling members (21, 23) arranged concentrically within one another. Each coupling member (21, 23) has a respective series of projecting permanent magnets (3). On each of the (5) coupling members (21, 23) each of the magnets 3 has opposite faces of opposite polarity and consecutive magnets (3) are spaced from one another with the faces of consecutive magnets (3) of alternating polarity. The magnets (3) on the coupling member (21) are disposed opposite but offset from the magnets (3) on the coupling member (23). Also disclosed is a coupling member assembled by bolts or rods (10) engaging permanent magnets (Figure 8) and permanent magnet coupling members polarised perpendicularly to their axes of rotation (Figure 18c).

No. of Pages: 40 No. of Claims: 27

(21) Application No.7292/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ULTRACAPACITOR PACKAGE DESIGN

(51) International

:H01G9/155,H01G9/016,H01G9/10 classification

:NA

(31) Priority Document No :13/036069 (32) Priority Date :28/02/2011

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/026020

:22/02/2012 Filing Date

(87) International Publication

:WO 2012/118657

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number Filing Date (71)Name of Applicant:

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Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72) Name of Inventor:

1) REDDY Kamjula Pattabhirami 2)WETHERILL Todd Marshall

### (57) Abstract:

A terminal plate for an ultracapacitor package is formed from a single sheet of conductive material and comprising a plurality of bent tabs extending in a direction substantially orthogonal to a first main surface of the terminal plate. The terminal plate is configured to provide direct metallurgical contact between external terminals of the ultracapacitor package and the respective terminals of an electrode set that is incorporated into the package.

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

(21) Application No.7293/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND IMPLANT FOR REPLACING DAMAGED MENISCAL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F2/38,A61F2/30 :61/450517 :08/03/2011 :U.S.A. :PCT/US2012/025417 :16/02/2012 :WO 2012/121853 :NA :NA :NA	(71)Name of Applicant: 1)SYNTHES USA LLC Address of Applicant:1302 Wrights Lane East West Chester PA 19380 U.S.A. 2)SYNTHES GMBH (72)Name of Inventor: 1)GEDET Philippe 2)LECHMANN Beat 3)BOUDUBAN Nicolas
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#### (57) Abstract:

A method and apparatus for replacing damaged meniscal tissue includes a meniscus implant including a porous body having a plurality of interconnected open micro pores and one or more open cavities for receiving meniscal tissue. The interconnected micro pores are arranged to allow fluid to flow into the porous body and are in fluid communication with the one or more open cavities.

No. of Pages: 28 No. of Claims: 34

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FAUCET INCLUDING CAPACNTVE AND ULTRASONIC SENSING

(31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (34) International Application No Filing Date (35) International Publication No (36) Patent of Addition to Application Number Filing Date (37) International Publication No (38) International Publication No (39) International Publication No (40) Patent of Addition to Application Number Filing Date (31) Priority Document No (31) Pident (32) International Application No (32) Priority Date (33) Name of priority Cush. (44) International Application No (30) International Application No (31) International Application No (32) International Application No (33) Name of priority Cush. (44) International Application No (32) International Application No (33) Name of priority Cush. (44) International Application No (33) International Application No (34) International Application No (35) International Application No (36) International Application No (37) International Application No (37) International Application No (37) International Application No (38) International Application No (39) International Application No (30) International Application No (30) International Application No (30) International Application No (30) International Application No (31) International Application No (32) International Application No (33) International Application No (34) International Application No (35) International Application No (36) International Application No (37) International Application No (37) International Application No (38) International Application No (38) International Application No (39) International Application No (30) International Application No (30) International Application No (30) International Applica	1)MASCO CORPORATION OF INDIANA Address of Applicant :55 East 111th Street Indianapolis IN 46280 U.S.A. (72)Name of Inventor: 1)SAWASKI Joel D. 2)DAVIDSON Kyle R. 3)RITTENHOUSE Kent
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#### (57) Abstract:

A fluid delivery apparatus includes a spout an ultrasonic sensor and a capacitive sensor. The ultrasonic sensor is configured to detect the presence of a user adjacent the spout when enabled. The capacitive sensor is configured to define a capacitance sensing field in an area near the spout and also to detect a presence of a user. A controller is coupled to the capacitive sensor and the ultrasonic sensor. The controller is programmed to detect the presence of a user in the capacitance sensing field based on an output signal from the capacitance sensor. The controller is also programmed to enable the ultrasonic sensor in response to detecting the presence of the user in the capacitance sensing field with the capacitive sensor thereby reducing the amount of power used by the ultrasonic sensor.

No. of Pages: 24 No. of Claims: 20

(21) Application No.7896/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: OXIDATION PROTECTED SEPARATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01M2/16 :61/774160 :07/03/2013 :U.S.A. :PCT/US2014/021495 :07/03/2014 :WO 2014/138516 :NA	(71)Name of Applicant: 1)DARAMIC LLC Address of Applicant:13800 South Lakes Drive Charlotte NC 28273 U.S.A. (72)Name of Inventor: 1)MILLER Eric H. 2)WHEAR J. Kevin 3)CHAMBERS Jeffrey K.
Number		3)CHAMBERS Jeffrey K.
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A battery separator for a lead/acid battery is resistant to oxidation arising from the use of water or acid containing contaminants for example chromium (Cr) manganese (Mn) titanium (Ti) copper (Cu) and the like. The separator is a microporous membrane including a rubber. The rubber is no more than about 12% by weight of the separator. The rubber may be rubber latex tire crumb and combinations thereof. The rubber may be impregnated into the microporous membrane. The microporous membrane may be a microporous sheet of polyolefin polyvinyl chloride phenol formaldehyde resins cross linked rubber or nonwoven fibers. A method for preventing the oxidation and/or extending battery life of the separator is also included.

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

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD FOR MANUFACTURING HIGH STRENGTH STEEL SHEET PARTS SUBJECT IN USE TO FATIGUE 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:TO2011A000139 :18/02/2011 :Italy :PCT/EP2012/052757 :17/02/2012 :WO 2012/110627 :NA :NA	(71)Name of Applicant:  1)SISTEMI SOSPENSIONI S.p.A. Address of Applicant: Viale Aldo Borletti 61/63 I 20011 Corbetta (Milano) Italy (72)Name of Inventor: 1)SANTINI Andrea 2)BORGNA Guido 3)MONCHIERO Piero
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The manufacturing method comprises the steps of: carrying out one or more forming operations (at least one of the following: tube making shaping cold stamping and hydro forming) and if necessary also a bead welding operation on a sheet of high strength steel in particular of high strength low alloy steel so as to give the desired geometry to the part; and subjecting the part thus formed to a single heat treatment consisting only in a stress relieving treatment which is preferably carried out at a temperature comprised in the range from 530 °C to 580 °C for a time comprised in the interval from 45 to 60 minutes and is followed by cooling of the part in air. By virtue of the formed part being subjected to a stress relieving heat treatment the residual stress state due to the initial forming process and to the bead welding if any is eliminated or at least significantly reduced.

No. of Pages: 9 No. of Claims: 4

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ELECTRIC DEVICE AND POWER MANAGEMENT APPARATUS FOR CHANGING DEMAND RESPONSE (DR) CONTROL LEVEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02J3/12 :1020110012016 :10/02/2011 :Republic of Korea :PCT/KR2012/000917 :08/02/2012 :WO 2012/108684 :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)LEE Do Gwan 2)SHIN Jin Chul
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#### (57) Abstract:

An electric device for changing a DR control level and a power management apparatus for the same are disclosed. An electric device for changing a demand response (DR) control level includes a memory unit to store a plurality of DR control levels classified according to power rates a communication unit to receive a current power rate and a current power rate level related to the current power rate from a power provider in real time a user interface which upon receiving a request for changing a DR control level from a user displays a list of pre stored DR control levels and receives a DR control level to be changed from the user and a controller to compare the current power rate level with the changed DR control level and determine whether to perform a power saving operation. As a result the electric device can decide whether to increase the usage of the electric device or to consider the power saving aspect using current power status information transmitted in real time thereby adaptively adjusting a start level of the DR control.

No. of Pages: 47 No. of Claims: 19

(21) Application No.7933/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF UREA.

(51) International classification	:C07C273/04	(71)Name of Applicant :
(31) Priority Document No	:06025387.9	1)STAMICARBON B.V
(32) Priority Date	:08/12/2006	Address of Applicant :MERCATOR 2, 6135 KW SITTARD,
(33) Name of priority country	:EUROPEAN	THE NETHERLANDS. Netherlands
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2007/063124	1)ZWART, STEPHEN RUDOLF ALEXANDER
Filing Date	:03/12/2007	2)MENNEN, JOHANNES HENRICUS
(87) International Publication No	:WO 2008/068210	
(67) International Lubication 140	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:4405/DELNP/2009	
Filed on	:03/07/2009	
		<u> </u>

### (57) Abstract:

Process for the preparation of urea from ammonia and carbon dioxide in a urea production process comprising, in a high-pressure synthesis section, a, a reactor, wherein ammonia and carbon dioxide react to form a urea-comprising synthesis solution, b. a stripper, wherein the urea-comprising synthesis solution is heated and stripped, optionally in counter-current with a stripping agent, c. a submerged condenser, wherein the gas leaving the top of the stripper is, at least partially, condensed to form a condensate solution and d. an ejector, in the line connecting the submerged condenser and the reactor, supporting the transport of the condensate solution from the submerged condenser to the reactor, wherein a gas stream leaving the top of the submerged condenser is controlled by one or more controlling elements.

No. of Pages: 16 No. of Claims: 4

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: BONE REPAIR SYSTEM KIT AND METHOD

(51) International

:A61B17/80,A61B17/68,A61B17/86 classification

(31) Priority Document No :13/835719 (32) Priority Date :15/03/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/024412

Application No :12/03/2014 Filing Date

(87) International Publication :WO 2014/150858

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(57) Abstract:

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Address of Applicant :325 Paramount Drive Raynham

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(72)Name of Inventor:

1) CAMPBELL Christopher A.

2)ROTH Christoph A. 3) GRIFFITHS Bryan 4)GRADY Mark 5) FELL Barry M. 6)DILLON Peter W.

7)MACKAY Donald R. 8) HALUCK Randy S.

A bone repair system kit and method for percutaneous repair of a bone segment containing a first bone segment and a second bone segment in a patient each bone segment having a drill hole. The system (1) comprises a longitudinal member (4) configured to contact the first bone segment and the second bone segment and having at least one opening (11 12) and cleats (5) on the side adapted to contact the first bone segment and the second bone segment; a first fastener assembly (6) configured to be disposed through the opening of the longitudinal member to hold the longitudinal member in place through the opening and the hole in the first bone segment; and a second fastener assembly (7) configured to be disposed through the opening of the longitudinal member to hold the longitudinal member in place through the opening and the hole in the second bone segment.

No. of Pages: 94 No. of Claims: 52

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PHOTODETECTOR AND UPCONVERSION DEVICE WITH GAIN (EC)

(51) International classification	:H01L31/101	(71)Name of Applicant :
(31) Priority Document No	:61/447406	1)UNIVERSITY OF FLORIDA RESEARCH
(32) Priority Date	:28/02/2011	FOUNDATION INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :223 Grinter Hall Gainesville FL 32611
(86) International Application No	:PCT/US2012/026920	U.S.A.
Filing Date	:28/02/2012	2)NANOHOLDINGS LLC
(87) International Publication No	:WO 2013/028232	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)SO Franky
Number	:NA	2)KIM Do Young
Filing Date	.IVA	3)PRADHAN Bhabendra
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the invention are directed to IR photodetectors with gain resulting from the positioning of a charge multiplication layer (CML) between the cathode and the IR sensitizing layer of the photodetector, where accumulating charge at the CML reduces the energy difference between the cathode and the CML to promote injection of electrons that result in gain for an electron only device. Other embodiments of the invention are directed to inclusion of the IR photodetectors with gain into an IR-to-visible upconversion device that can be used in night vision and other applications.

No. of Pages: 18 No. of Claims: 19

(21) Application No.7012/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CABLE PLUG 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> <li>Filing Date</li> </ul>	:11152698.4 :31/01/2011 :EPO :PCT/EP2012/050779 :19/01/2012 :WO 2012/104148 :NA :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS RAYCHEM BVBA Address of Applicant: Diestsesteenweg 692 B 3010 Kessel Lo Belgium (72)Name of Inventor: 1)CLAESSENS Bart Mattie
Filing Date	:NA	

#### (57) Abstract:

A cable plug assembly comprises a cable sleeve with a cable receiving section for receiving a cable therein and a fiber holder for fastening a plurality of fibers. The cable sleeve and the fiber holder are connected via an intermediate section.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: DERIVATIVES OF AZAINDAZOLE OR DIAZAINDAZOLE TYPE AS MEDICAMENT

(51) International :C07D471/04,A61K31/4162,A61P35/00 classification

:PCT/EP2012/051283

:WO 2012/101239

:27/01/2012

:NA

:NA

:NA

(31) Priority Document

:1150651 :27/01/2011

(32) Priority Date (33) Name of priority :France

country

(86) International

Application No Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date (62) Divisional to **Application Number** 

Filing Date

(71)Name of Applicant:

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Address of Applicant :45 place Abel Gance F 92100 Boulogne

billancourt France

(72) Name of Inventor:

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2)BEDJEGUELAL Karim

3)RABOT Rmi

4)KRUCZYNSKI Anna

5)SCHMITT Philippe

6)PEREZ Michel

7) RAHIER Nicolas

#### (57) Abstract:

The present invention relates to a compound of following formula (I): or a pharmaceutically acceptable salt or solvate of same a tautomer of same or a stereoisomer or mixture of stereoisomers of same in any proportions such as a mixture of enantiomers notably a racemic mixture; as well as to the use of same as a drug notably intended for the treatment of cancer inflammation and neurodegenerative diseases such as Alzheimer s disease; to the use of same as a kinase inhibitor; to the pharmaceutical compositions comprising same; and to methods for the preparation of same.

No. of Pages: 169 No. of Claims: 22

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INTERESTINGNESS RECOMMENDATIONS IN A COMPUTING ADVICE FACILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06Q30/00 :61/430318 :06/01/2011 :U.S.A. :PCT/US2012/020358 :05/01/2012 :WO 2012/094516 :NA :NA :NA	(71)Name of Applicant: 1)EBAY INC. Address of Applicant:2145 Hamilton Avenue San Jose California 95215 U.S.A. (72)Name of Inventor: 1)PINCKNEY Thomas 2)DIXON Christopher 3)GATTIS Matthew Ryan
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#### (57) Abstract:

The present disclosure provides a recommendation to a user through a computer based advice facility comprising collecting topical information wherein the collected topical information includes an interestingness aspect; filtering the collected topical information based on the interestingness aspect; determining an interestingness rating from the collected topical information wherein the determining is through the computer based advice facility; and providing a user with the recommendation related to the topical information based on the interestingness rating.

No. of Pages: 123 No. of Claims: 43

(22) Date of filing of Application :03/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : GYROSCOPE POINTS ACCUMULATION SYSTEM WITH CONVENIENT OPERATION AND DATA INFORMATION READ/WRITE METHOD FOR SAME

#### (57) Abstract:

The present invention provides a gyroscope points accumulation system with convenient operation and data information read/write method for same comprising a toy gyroscope RFID chip and mobile telephone; said RFID chip is used for identifying the identity information of the toy gyroscope and storing accumulated points data; and said mobile telephone comprises a gyroscope points accumulation software system used for reading and displaying the identity information in the RFID chip and able to input new identity information into the RFID chip and also used for reading and displaying the accumulated points data in the RFID chip and able to input and output accumulated points data from the RFID chip. The scores of children playing gyroscope competitions can thereby be conveniently recorded without the aid of a PC and the technical skill of the children can be more clearly determined; children will save precious time and can compete at any time or place the invention being fun and entertaining. The present gyroscope points accumulation system is structurally simple and portable the playing method is novel and the addition of feature cards can improve the varied gameplay of the toy thus cultivating in children a sense of competition and mental inspiration and the invention is widely applicable to gyroscope type toy products.

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

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: METHOD FOR PROCESSING CARBON DIOXIDE CONTAINED IN AN EXHAUST GAS FLOW

(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (88) International Publication No :WO 2013/123539 :NA :NA :NA :NA :NA	<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	(72)Name of Inventor:
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#### (57) Abstract:

The present invention relates to a method for processing carbon dioxide (CO) contained in an exhaust gas flow (1). For the purpose of obtaining a carbon enriched product (9) from organic containing substances and carbon dioxide (CO2) the exhaust gas flow (1) is brought into contact in a drying and cooling chamber (3) with a moist porous siliceous material and admixed aluminium hydroxide and/or aluminium oxide hydrate (4) and/or optionally a different metal oxidation means with the generation of a basic aqueous milieu and for the destabilisation of the carbon dioxide (CO2) said exhaust gas flow being cooled in said chamber wherein the quantity of aluminium hydroxide and/or aluminium oxide hydrate (4) to be admixed is controlled by means of an ongoing pH value measurement (2) after which the aqueous milieu is fed to a subsequent prechamber (5) which is charged with a material (6) carrying oxidisable alkaline earth metal and/or heavy metal wherein a neutralisation of the aqueous milieu carrying ionised carbon occurs and formed alkaline earth metal and/or heavy metal oxide (10) is discharged from the prechamber (5) and the aqueous milieu carrying ionised carbon (C) is then fed to a main chamber (7) charged with material (8) consisting of organic carbon compounds and/or containing organic carbon compounds.

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

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: BIODEGRADABLE NON WOVEN MATERIAL FOR MEDICAL PURPOSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61L 15/32 :10 2012 002 209.3 :07/02/2012 :Germany :PCT/EP2013/000198 :23/01/2013 :WO 2013/117298 :NA :NA	<ul> <li>(72)Name of Inventor:</li> <li>1)VOGT Sebastian</li> <li>2)COPANAKI Ekaterini</li> <li>3)GRAFAHREND Dirk</li> <li>4)REIBEL Denis</li> </ul>
1 (01110 01		
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a biodegradable non woven material containing (i) at least one polymer for inducing primary haemostasis (ii) at least one non proteinogenic water soluble secondary haemostasis activator having a low molecular weight and (iii) at least one non proteinogenic water soluble fibrinolysis inhibitor having a low molecular weight. The invention also relates to a method for producing a biodegradable non woven material wherein (i) a fluidised raw fibre material is placed in a container optionally along with additives (ii) the container is set in rotation (iii) the fluidised raw fibre material is discharged from the container by means of centrifugal forces as a result of which fibres or filaments are formed and (iv) a biodegradable non woven material is formed from the fibres or filaments. The invention also relates to the use of such a biodegradable non woven material as a local haemostatic agent.

No. of Pages: 31 No. of Claims: 17

(21) Application No.7247/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: WELDED DUPLEX STAINLESS JOINT

(51) International

:B23K35/30,B23K9/23,C22C38/00

classification

(31) Priority Document No :2011028336

(32) Priority Date (33) Name of priority country

:14/02/2011 :Japan

(86) International Application

:PCT/JP2012/053035

:10/02/2012

:NA

Filing Date (87) International Publication

:WO 2012/111535 (61) Patent of Addition to

**Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Filing Date

(71)Name of Applicant:

1)SUMITOMO METAL INDUSTRIES LTD.

Address of Applicant: 5 33 Kitahama 4 chome Chuo ku Osaka

shi Osaka 5410041 Japan (72) Name of Inventor:

1)NAGAYAMA Hirovuki

2)YAMADA Kenta 3)HAMADA Masahiko

4)MOTOYA Daisuke

5)AMAYA Hisashi

#### (57) Abstract:

Number

Provided is a welded duplex stainless joint in which the occurrence of precipitation of a σ phase during high heat input welding can be prevented and which exhibits excellent SCC resistance under high-temperature chloride environments. A weld metal for this welded duplex stainless joint contains, in mass%, 0.030% or less of C, 0.20-1.00% of Si, 8.00% or less of Mn, 0.040% or less of P, 0.0100% or less of S, 2.00% or less of Cu, 7.00-12.00% of Ni, 20.0-30.0 of Cr, 1-4% or Mo, 0.100-0.350% of N, 0.040% or less of sol. Al, and 0.035% or less of O, with the remainder being made up by Fe and impurities, wherein the following formulae (1) and (3) are fulfilled. 2.2Cr+7Mo+3Cu > 66 (1) Cr+11Mo+10Ni-12(Cu+30N) < 100 (3) In the formulae (1) and (3), the content (mass%) of an element in the matrix material or the weld metal is assigned to the symbol of the element.

No. of Pages: 64 No. of Claims: 5

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: CLASSIFIER AND METHOD FOR OPERATING A CLASSIFIER

:B07B7/083,B07B9/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)THYSSENKRUPP INDUSTRIAL SOLUTIONS AG :10 2013 101 517.4 (32) Priority Date Address of Applicant: ThyssenKrupp Allee 1 45143 Essen :15/02/2013 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/052543 (72) Name of Inventor: Filing Date :10/02/2014 1)HAGEMEIER Olaf (87) International Publication No :WO 2014/124899 2) MELIES Kasten (61) Patent of Addition to Application 3) WUWER Matthias :NA Number 4)SCHULTE Ludger :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The method according to the invention for operating a classifier for classifying piece form material has the following method steps: a rotary cage is rotated classifying air is taken through an air routing system enclosing the rotary cage into a classifying zone formed between the rotary cage and air routing system and the piece form material is supplied into the classifying zone wherein one or more inserts are arranged in the classifying zone such that the torque to which the rotary cage is subjected at the same rotational speed is increased by at least 20% in relation to a design without any inserts and/or the distance between the air routing system and the rotary cage is selected such that the torque to which the rotary cage is subjected at the same rotational speed is increased by at least 20% in relation to a design in which the air routing system is at a distance which does not affect the torque of the rotary cage.

No. of Pages: 34 No. of Claims: 17

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SALTS OF 5 [(1R) 2 ( $\{2\ [4\ (2\ 2\ DIFLUORO\ 2\ PHENYLETHOXY)PHENYL]ETHYL\}AMINO)$ 1 HYDROXYETHYL] 8 HYDROXYQUINOLIN 2(1H) ONE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:28/03/2013 :WO 2013/149959	(71)Name of Applicant: 1)ALMIRALL S.A. Address of Applicant:Ronda del General Mitre 151 E 08022 Barcelona Spain (72)Name of Inventor: 1)PUIG DURAN Carlos 2)CARRERA CARRERA Francesc 3)P%REZ GARC • A Juan Bautista
` '	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention is directed to a pharmaceutically acceptable crystalline addition salt of (i) 5 [(1R) 2 ({2 [4 (2 2 difluoro 2 phenylethoxy)phenyl]ethyl}amino) 1 hydroxyethyl] 8 hydroxyquinolin 2(1H) one and (ii) a dicarboxylic acid a sulfonic acid or a sulfimide or a pharmaceutically acceptable solvate thereof.

No. of Pages: 43 No. of Claims: 19

(21) Application No.7051/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CITRATE FREE PHARMACEUTICAL COMPOSITIONS COMPRISING ANAKINRA

(51) International classification :A61K38/20,A61K9/08,A61P29/00

(31) Priority Document No :11501095 (32) Priority Date :11/02/2011 (33) Name of priority country :Sweden

(86) International Application :PCT/SE2012/050124

No :09/02/2012

Filing Date

(87) International Publication :WO 2012/108828

(61) Patent of Addition to Application Number :NA

Application Number :NA
Filing Date
(62) Divisional to Application

(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant:

1)SWEDISH ORPHAN BIOVITRUM AB (publ) Address of Applicant :S 112 76 Stockholm Sweden

(72)Name of Inventor: 1)FRANSSON Jonas

2)FLORIN ROBERTSSON Ebba

The present invention relates to pharmaceutical compositions comprising anakinra as an active compound in the absence of sodium citrate. The said pharmaceutical compositions are useful for the treatment of IL-1 mediated disorders and for decreasing nociceptive pain during such treatment.

No. of Pages: 27 No. of Claims: 20

⁽⁵⁷⁾ Abstract:

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR TREATING VIRAL INFECTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K39/12 :61/432567 :13/01/2011 :U.S.A. :PCT/US2012/021388 :13/01/2012 :WO 2012/097346 :NA :NA :NA	(71)Name of Applicant:  1)VARIATION BIOTECHNOLOGIES INC.  Address of Applicant: 200 rue Montcalm Suite 400 Gatineau Quebec J8Y 3B5 Canada (72)Name of Inventor:  1)ANDERSON David E.  2)AHMED Tanvir  3)BOZIC Jasminka 4)KIRCHMEIER Marc
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#### (57) Abstract:

The present disclosure provides compositions and methods useful for treating viral infections. As described herein the compositions and methods are based on the development of immunogenic compositions that include an attenuated or inactivated virus in combination with a non ionic surfactant vesicle (NISV).

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

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INTEGRATED PIPELINE PROTECTION SYSTEM

(51) International classification	:F17D5/06	(71)Name of Applicant:
(31) Priority Document No	:61/905381	1)ZULFIQUAR Mohammed
(32) Priority Date	:18/11/2013	Address of Applicant :35 Elmdon Road Selly Park
(33) Name of priority country	:U.S.A.	Birmingham B29 7LF U.K.
(86) International Application No	:PCT/GB2014/000474	(72)Name of Inventor:
Filing Date	:18/11/2014	1)ZULFIQUAR Mohammed
(87) International Publication No	:WO 2015/071632	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The pipeline protection system includes a plurality of modules and a central control unit. The modules are adapted to be disposed circumferentially around the pipeline and capable of communicating to each other and with the central control unit to generate a plurality of real time data related to the pipeline. The modules are retrofittable configuration that includes sub modules. Each sub module includes top and bottom protective casings and at least one flexible composite layer disposed between the top and bottom protective casings. The flexible composite layer includes an electronic circuitry embedded thereon and a plurality of sensors coupled to the electronic circuitry to monitor a plurality of parameters associated with the pipeline. The plurality of sensors is configured to generate various real time data such as pipeline leakage predict future leakage or failure and detect any attempt to theft or tempering in the pipeline.

No. of Pages: 34 No. of Claims: 15

(22) Date of filing of Application :03/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ACTIVATOR SUPPORTS IMPREGNATED WITH GROUP VIII TRANSITION METALS FOR POLYMER PROPERTY CONTROL

#### (57) Abstract:

Methods for controlling properties of an olefin polymer using a Group VIII transition metal modified activator support are disclosed. The melt index of the polymer can be decreased and the molecular weight of the polymer can be increased via the addition of the transition metal modified activator support to the polymerization reactor system.

No. of Pages: 71 No. of Claims: 20

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: PREPARATION METHOD OF SOLID ACRYLAMIDEALKYL SULFONATE

(51) International :C07C303/32,C07C303/44,C07C309/15 classification

:201310044319.X

(31) Priority Document

:04/02/2013 (32) Priority Date (33) Name of priority :China

country

(86) International

:PCT/CN2014/071389 Application No :24/01/2014 Filing Date

(87) International

:WO 2014/117685 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)MEI Longyi

Address of Applicant : Circular Economy Demonstration Park Hongtu RoadHefei Anhui 231600 China

(72) Name of Inventor:

1)MEI Longyuan

#### (57) Abstract:

The present invention provides a preparation method of solid acrylamidealkyl sulfonate. The method comprises: reacting 2 acrylamide 2 methylpropanesulfonic acid and analogs thereof with an alkaline substance in a solvent to continuously generate and directly precipitate solid products and collecting the precipitated solid products i.e. the product wherein 2 acrylamide 2 methylpropanesulfonic acid and analogs thereof as well as the alkaline substance are in substantially excess of the solvent to make the amount of the generated acrylamidealkyl sulfonate exceed the solubility under the reaction condition. The method has the advantages of omitting steps such as re crystallization adopted in the prior art substantially improving the product preparation efficiency time saving cost reduction simplicity easy implementation and easy operation.

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

(21) Application No.7080/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: TRANSDERMAL COMPOSITIONS COMPRISING AN ACTIVE AGENT LAYER AND AN ACTIVE AGENT CONVERSION LAYER

(51) International  $:\!A61K9/70,\!A61K47/30,\!A61P17/00$ 

classification

(31) Priority Document No :61/467337 (32) Priority Date :24/03/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/030171

No :22/03/2012 Filing Date

(87) International Publication :WO 2012/129429

(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)TEIKOKU PHARMA USA INC.

Address of Applicant: 1718 Ringwood Avenue San Jose

California 95131 U.S.A. (72) Name of Inventor: 1)HAMLIN Richard

2)WEN Jianye

(57) Abstract:

Transdermal compositions are provided. Aspects of the transdermal compositions include: an active agent layer and a conversion layer where the conversion layer includes a weak base and optionally a carboxylated component. Also provided are methods of using the transdermal compositions and kits containing the transdermal compositions.

No. of Pages: 39 No. of Claims: 26

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: SIGNAL PROCESSING DEVICE SIGNAL PROCESSING METHOD AND RECEIVING 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>	:2011034580 :21/02/2011 :Japan :PCT/JP2012/053437 :14/02/2012 :WO 2012/114948 :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)FUKUDA Shinichi 2)NAKANO Hiroaki
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a signal processing device signal processing method and receiving device with which reply information can be detected with high accuracy from a carrier signal that is load modulated in accordance with the reply information. A positive direct current generating section (61) generates a positive threshold value based on a load modulated carrier signal. A positive selection section (62) outputs to an addition section (65) the larger of the values obtained by comparing the voltage of the carrier signal with the positive threshold value. A negative direct current generating section (63) generates a negative threshold value based on the load modulated carrier signal. A negative selection section (64) outputs to the addition section (65) the smaller of the values obtained by comparing the voltage of the carrier signal with the negative threshold value. The addition section (65) adds the output of the positive selection section (62) and the output of the negative selection section (64) and outputs the result of this addition to an IQ detection section (53). As the result of this addition a signal is obtained having a Vpp that is smaller than the original carrier signal and a voltage fluctuation portion that is maintained. The present invention can be applied to non contact communication systems.

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

(22) Date of filing of Application :24/09/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : PRESSURE LIMITING VALVE AND ALTERNATIVE METHOD FOR TESTING A BACKFLOW PREVENTER 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:02/04/2013 :WO 2013/154873 :NA :NA	(71)Name of Applicant:  1)FRAHM Lawrence L.  Address of Applicant: 3525 Old Conejo Road Suite 104 Newbury Park CA 91320 U.S.A. (72)Name of Inventor:  1)FRAHM Lawrence L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The pressure limiting valve has a low pressure gauge configured to measure the operability of a backflow prevention device having a line pressure relatively higher than the maximum PSI rating of the low pressure gauge. The valve body has an inlet statically coupled to a pressurized fluid source and an outlet coupled to the low pressure gauge. Upper and lower chambers fluidly coupled via a conduit are formed from an interior portion of the valve body and generally separated by a flexible diaphragm. A spring actuable via movement of the flexible diaphragm in response to pressure changes in the valve body biases a closure seat in an open position relative to the outlet when the valve body is not under pressure and compresses under pressure to permit the closure seat to seal the outlet when pressure in the valve body reaches a maximum PSI rating of the low pressure gauge.

No. of Pages: 53 No. of Claims: 42

(21) Application No.7977/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: METHOD OF MAKING A RADIAL PATTERN ASSEMBLY

:B22C7/02,B22C9/04,B22C9/08 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/804709 (32) Priority Date :14/03/2013

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2014/014983 Filing Date :06/02/2014

(87) International Publication No: WO 2014/158357

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)HITCHINER MANUFACTURING CO. INC.

Address of Applicant :594 Elm Street Milford New Hampshire

03055 U.S.A.

(72) Name of Inventor:

1)HANRAHAN Michael R.

2)PATTEUW Skip L.

#### (57) Abstract:

A method of making a radial pattern assembly is disclosed. The method includes forming a hollow sprue comprising a sprue wall disposed about a longitudinal axis the sprue wall having a thickness a length and a periphery; a pattern disposed outwardly of the sprue wall; and an outwardly extending gate attached to and extending between an outer surface of the sprue wall and the pattern the hollow sprue pattern and gate each formed from a fugitive material.

No. of Pages: 44 No. of Claims: 25

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: DISPLAY APPARATUS SERVER AND CONTROL METHOD THEREOF

(51) International classification :H04N21/45,H04N21/25,H04N21/262

(31) Priority Document No :1020130015501 (32) Priority Date :13/02/2013

(33) Name of priority :Republic of Korea

country (86) International

Application No :15/11/2013

Filing Date .13/11/2013

(87) International Publication No :WO 2014/126327

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor:
1)LEE Sang kwon
2)KOO Sung wan
3)KIM Sang hee
4)KIM Jung a

5)KIM Jong woo 6)CHOI Yun hee

#### (57) Abstract:

A display apparatus includes a display configured to display an image of a broadcasting program; a communication section configured to communicate with a server; a controller configured to control to transmit view information about a broadcasting program viewed by a user to the server receive information about a broadcasting program recommended corresponding to the view information from the server and provide schedule information of the recommended broadcasting program in accordance with a time slot in which the recommended broadcasting program is broadcasted.

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

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: STABILIZED POLYMER COMPOSITIONS AND METHODS 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></ul>	:C08K5/00,C08K5/098,C08K3/00 :61/789731 :15/03/2013 :U.S.A.	(71)Name of Applicant:  1)BAERLOCHER GMBH  Address of Applicant: Freisinger Str. 1 85716 Unterschleiheim Germany
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2014/055350 :17/03/2014 :WO 2014/140383	(72)Name of Inventor: 1)TORCHIA Steven R. 2)HUDSON Rich 3)ROMANOVA Tatiana
(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 stabilizer compositions for polymers such as polyolefin polymers which decrease a phosphorus based stabilizer content necessary to stabilize the polymer. The premixed stabilizer compositions include an antacid an organic acid metal salt and a primary antioxidant such as a sterically hindered phenolic compound a sterically hindered amine compound a hydroxylamine compound and combinations thereof. The premixed stabilizer may further include a portion of the phosphorus based stabilizer content necessary to stabilize the polymer. The invention also relates to a method for the preparation of the stabilized polymer compositions provided by the use thereof.

No. of Pages: 58 No. of Claims: 39

(21) Application No.7984/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: METHOD FOR MONITORING AN INDIVIDUAL S MOTOR LOAD AND INSOLE FOR THE IMPLEMENTATION THEREOF

(51) International classification :G01G3/13,A61B5/22,A43B17/00 (71)Name of Applicant :

:WO 2014/137244

(31) Priority Document No :2013110572 (32) Priority Date :05/03/2013 (33) Name of priority country :Russia

(86) International Application :PCT/RU2014/000137

:04/03/2014

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

1) HEALBE CORPORATION

Address of Applicant: 541 Jefferson Avenue Redwood City

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(72)Name of Inventor:

1) RUBIN Mikhail Semenovich 2)MISJUCHENKO Igor Leonidovich 3) GERASIMOV Oleg Mikhailovich 4)SOKOLOV Evgeny Lvovich

(57) Abstract:

The invention relates to the field of measuring for diagnostic purposes parameters that define human motor activity. The method involves registering signals from load cells mounted in the insoles of a pair of shoes wherein at least two load cells are mounted in each insole the first cell being mounted in the heel region and the second cell being mounted in the region of the forepart of the foot. The type of motor activity being performed is determined on the basis of the temporal relationship between the signals from the load cells of the two insoles taking into account the values of said signals. The weight of the individual including the weight of any additional load being carried is determined by summing the values of the signals from the above mentioned load cells taking into account the motor activity type and then the individual s motor load is determined on the basis of the type of motor activity being performed and the weight of the individual including the weight of any additional load being carried. The invention enables real time monitoring of an individual s motor load taking into account the weight of the individual including the weight of any additional load being carried during various types of motor activity such as running and walking at different speeds and standing.

No. of Pages: 29 No. of Claims: 14

(21) Application No.7985/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: FLUIDISING APPARATUS •

(51) International classification	:B65G53/30	(71)Name of Applicant:
(31) Priority Document No	:0515939.7	1)DPS BRISTOL (HOLDINGS) LIMITED
(32) Priority Date	:02/08/2005	Address of Applicant :Howard House, 3rd Floor, Queens
(33) Name of priority country	:U.K.	Avenue, Clifton, Bristol BS8 1QT, United Kingdom U.K.
(86) International Application No	:PCT/GB2006/002879	(72)Name of Inventor:
Filing Date	:02/08/2006	1)PARKINSON, David, John
(87) International Publication No	:WO/2007/015091	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:792/DELNP/2008	
Filed on	:29/01/2008	

#### (57) Abstract:

A fluidising apparatus comprises a vessel (28) having an inlet (14), a plurality of outlets (42,44,46,48) and a nozzle (10), through which a pressurised fluid can be fed into the vessel. The outlets (42,44,46,48) are spaced at different heights from a base of the vessel (28) and are controlled by valves (52,54,56,58) enabling fluidised solids to be removed in layers from the vessel (28). In a further embodiment, a single outlet is raised or lowered to a desired position in the vessel (28).

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

(21) Application No.7862/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015

(43) Publication Date: 29/04/2016

#### (54) Title of the invention: CHARGED PARTICLE BEAM DEVICE SAMPLE OBSERVATION METHOD SAMPLE PLATFORM OBSERVATION SYSTEM AND LIGHT EMITTING MEMBER

(51) International

:H01J37/244,H01J37/20,H01J37/28 classification

(31) Priority Document No :2013049825 (32) Priority Date :13/03/2013 (33) Name of priority country: Japan

(86) International Application :PCT/JP2014/051177

No :22/01/2014

Filing Date

(87) International Publication :WO 2014/141744

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant:

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4)ASO Sadamitsu 5)SAKAZUME Taku 6)MORISHITA Hideo

7)ITO Sukehiro

8)OHSHIMA Takashi

#### (57) Abstract:

The purpose of the present invention is to eliminate the effort in placement and extraction of samples in observations using transmitted charged particles. A charged particle beam device (601) is characterized by having: a charged particle optical lens tube that irradiates a sample (6) with a primary charged particle beam; a sample stage on which a light emitting member (500) that emits light because of charged particles that have come by transmission internally in the sample (6) or scattering therefrom or a sample platform (600) having the light emitting member (500) is attachably and detachably disposed; and a detector (503) that detects the light emitted by the light emitting member.

No. of Pages: 129 No. of Claims: 22

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: POWER SUPPLY SYSTEM AND VEHICLE INCLUDING THE SAME

(51) International classification :H01M10/44 (31) Priority Document No :2006-099156 (32) Priority Date :31/03/2006 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2007/053343 (72)Name of Inventor :

Filing Date :16/02/2007 (87) International Publication No :WO/2007/125673

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :7852/DELNP/2008

Filed on :16/02/2007 (71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

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4718571, Japan Japan

1)ICHIKAWA Shinii

2)ISHIKAWA Tetsuhiro 3)SAWADA Hiroki

4)OYOBE Hichirosai

5)ANG Wanleng

6)YOSHIDA Hiroshi

#### (57) Abstract:

A converter ECU (2) obtains allowable power total value including at least one of discharge allowable power total value EWout of discharge allowable power Woutl, Wout2 and charge allowable power total value EWin of charge allowable power Win I, Win2. Then, the converter ECU (2) determines which of the allowable power total value and an actual power value is greater. If the actual power value is smaller than the allowable power total value, the converter ECU (2) controls a converter (8-1) such that an input/output voltage value Vh attains a prescribed target voltage value, and at the same time controls a converter (8-2) such that a battery current value Ib2 attains a prescribed target current value.

No. of Pages: 85 No. of Claims: 28

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: TOILET COMPRISING A JET HOLE

(31) Priority Document No	:E03D11/02,E03D11/08 :61/968718	Address of Applicant :444 Highland Drive Kohler Wisconsin
(33) Name of priority country	:21/03/2014 :U.S.A. :PCT/US2015/021862	53044 U.S.A. (72)Name of Inventor: 1)GARRELS Clayton C.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:20/03/2015 :WO 2015/143391 :NA :NA :NA	2)LUETTGEN Michael J. 3)KURU William C. 4)MUKERJI Sudip 5)BOGARD Douglas E. 6)SWART Peter W. 7)EMMERLING John F. 8)JAECKELS Kari L.

#### (57) Abstract:

A toilet includes a bowl having a vertically elongated jet orifice near a top of the bowl that is designed to introduce flush water into the bowl from an interior water channel through a surface of an inner wall of the bowl such that the flush water is directed around the inner wall of the bowl to wash the inner wall. The toilet also includes a shelf for directing the flush water. The toilet is a gravity fed toilet that does not include an overhanging rim.

No. of Pages: 36 No. of Claims: 15

(21) Application No.8017/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: EXHAUST GAS RECIRCULATION 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>	:10/05/2013 :WO 2014/181461 :NA :NA :NA	(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)TAKAMIYA Fumio
Filing Date	:NA	

#### (57) Abstract:

Provided is an exhaust gas recirculation device that can suppress water condensation within an exhaust gas recirculation (EGR) path after engine stoppage. When an ignition is switched from ON to OFF fuel injection is prohibited. Consequently gas (new air) flowing into an air cylinder after this switch is discharged into an exhaust gas passage (14) without being ignited. In this invention the time (EVO) at which an exhaust gas valve is opened is changed so that the peak portion with high pulsation of this gas will occur at the EGR branch point and an EGR valve (32) is opened. In this way because new air flowing through the exhaust gas passage (14) can be introduced into an EGR passage (28) EGR gas in the EGR passage (28) can be replaced with new air.

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

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: CHANNEL CONFIGURATION IN DEVICE TO DEVICE COMMUNICATIONS

:H04W72/04,H04W76/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)NEC CORPORATION :1401772.7 (32) Priority Date :31/01/2014 Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo (33) Name of priority country 1088001 Japan :U.K. (86) International Application No (72) Name of Inventor: :PCT/JP2015/053317 1)RAKOTOHARISON Lanto Filing Date :30/01/2015 (87) International Publication No :WO 2015/115674 2)BAGAYOKO Abdoulaye (61) Patent of Addition to Application 3) JACTAT Caroline :NA Number 4)DELAHAYE Philippe :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention provides for a method of configuring a physical channel such as a physical control channel for device to device communication between mobile terminal devices within a cellular communications network environment and comprising a step of locating a device to device control channel within a cellular up link signalling spectrum and applying a frequency offset parameter to determine separation of the device to device control channel from a cellular up link control channel and to related terminal devices and computer program products.

No. of Pages: 34 No. of Claims: 15

(21) Application No.7017/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: STABLE BIO OIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/025550 :11/02/2011 :U.S.A.	(71)Name of Applicant:  1)KIOR INC.  Address of Applicant:13001 Bay Park Road Pasadena TX 77507 U.S.A. (72)Name of Inventor:  1)CORREDORES Maria Magdalena Ramirez 2)SANCHEZ Vicente 3)TONG Xiaowei
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#### (57) Abstract:

More stable and valuable bio oil compositions produced from biomasses are provided. Particularly various embodiments of the present invention provide for a bio oil composition that has chemical and physical properties that make it more cost effective and useful as a fuel without having to undergo deoxygenating processes such as hydrotreating.

No. of Pages: 30 No. of Claims: 53

(21) Application No.7019/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : CENTROMERE SEQUENCES DERIVED FROM SUGAR CANE AND MINICHROMOSOMES COMPRISING THE SAME

(51) International classification :C07H21/02,C07H21/04 (71)Name of Applicant : (31) Priority Document No 1)SYNGENTA PARTICIPATIONS AG :61/436484 (32) Priority Date Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel :26/01/2011 (33) Name of priority country Switzerland :U.S.A. (86) International Application No :PCT/US2012/021211 (72) Name of Inventor: Filing Date :13/01/2012 1)LUO Song (87) International Publication No :WO 2012/102877 2) COPENHAVER Gregory P. (61) Patent of Addition to Application 3)PREUSS Daphne :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention is generally related to sugar cane mini chromosomes containing sugar cane centromere sequences. In addition the invention provides for methods of generating sugar cane plants transformed with these sugar cane mini chromosomes. Sugar cane mini chromosomes with novel compositions and structures are used to transform sugar cane cells which are in turn used to generate sugar cane plants. Methods for generating sugar cane plants include methods for delivering the sugar cane mini chromosomes into sugar cane cell to transform the cell methods for selecting the transformed cell and methods for isolating sugar cane plants transformed with the sugarcane mini chromosome.

No. of Pages: 157 No. of Claims: 43

(21) Application No.7873/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/09/2014 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: ROTATION LIMITING TUBE FASTENER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:11/06/2013 :WO 2013/188473 :NA	(71)Name of Applicant:  1)ILLINOIS TOOL WORKS INC.  Address of Applicant: 155 Harlem Avenue Glenview Illinois 60025 U.S.A.  (72)Name of Inventor:  1)KANIE Hideki
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A fastener (10) for holding tubes fluid lines and the like is provided with a barb (50, 56) for deforming material on the surface of tubular fluid line held in the fastener and a hollow (48, 54, 68,74) adjacent the barb for receiving the deformed material.

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

(21) Application No.7875/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: MULTI CHAMBER INJECTION 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>	:14/03/2014 :WO 2014/144416	(71)Name of Applicant:  1)HYPROTEK INC.  Address of Applicant: 4219 E. 65th Avenue Spokane WA 99223 1806 U.S.A. (72)Name of Inventor:  1)TENNICAN Patrick O. 2)PHIPPS L. Myles
• •		
` /	:WO 2014/144416	2)PHIPPS L. Myles
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A multi chamber injection device includes multiple syringes. The multiple syringes may be arrayed in a circular linear or other format. In some implementations a needle port or similar may be shared by all the syringes in configuration that allows only one syringe to deliver contents at a time while blocking the other syringes from delivering their respective contents. In some implementations the syringes may be all stored in the same container. One or more of the chambers of a multi chamber injection device may be preloaded with medication. Different medications may be loaded into different chambers. The medications may be selected to treat the same medical condition.

No. of Pages: 26 No. of Claims: 30

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: METHOD FOR PRODUCING EDA USING SO2 FREE HYDROCYANIC ACID

(51) International :C07C209/48,C07C209/86,C07C253/08 classification

:13157251.3

(31) Priority Document

(32) Priority Date :28/02/2013

(33) Name of priority

:EPO country

(86) International :PCT/EP2014/052727 Application No :12/02/2014

Filing Date

(87) International :WO 2014/131620 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 SE

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1)LUYKEN Hermann

2) JAEGLI Stephanie

3)LORENZ Michael

4)BRASCHE Gordon

5)JEGELKA Markus

6)BECKER Barbara

7)BAUMANN Robert 8)MELDER Johann Peter

9)BUSCHHAUS Boris

10)KRUG Thomas

#### (57) Abstract:

The invention relates to a method for producing ethylene diamine (EDA) wherein the method comprises the steps a) to c). In step a) formaldehyde is converted with hydrocyanic acid (HCN) to formaldehyde cyanohydrine (FACH) wherein the hydrocyanic acid is completely free or extensively free of sulfur dioxide (SO). The FACH thus produced is converted in step b) with ammonia (NH) to aminoacetone nitrile (AAN) and in step c) hydrogenation of AAN to EDA occurs in the presence of a catalyst.

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

(21) Application No.8024/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: SELF FORMING MICROGRIDS

(51) International classification :H02J4/00,H02J13/00,H02J15/00 (71) Name of Applicant:

(31) Priority Document No :61/766290 (32) Priority Date :19/02/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2014/050111

:19/02/2014 Filing Date

(87) International Publication No:WO 2014/127473

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)SOLANTRO SEMICONDUCTOR CORP.

Address of Applicant: 146 Colonnade Road Suite 200 Ottawa

Ontario K2E 7Y1 Canada (72) Name of Inventor:

1)PAQUIN Antoine Marc Joseph Richard

2)ORR Raymond Kenneth

#### (57) Abstract:

Self forming microgrids are disclosed. An electrical microgrid includes multiple power domains and power cables coupling the power domains together. Each power domain includes an intelligent distribution panel and the power domains are coupled to the power cables through the intelligent distribution panels. An intelligent distribution panel includes sockets an internal power bus coupled to the sockets and a controller. The sockets enable connection of the intelligent distribution panel to one or more components within a power domain and to one or more other power domains through respective power connections. Power connections between power domains are through power cables coupled to the sockets. The controller is also coupled to the sockets to control connectivity of the one or more components and the respective power connections with the internal power bus.

No. of Pages: 57 No. of Claims: 34

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: PALM ACTIVATED DRUG DELIVERY DEVICE

(51) International classification :A61M5/20,A61M5/50,A61M5/48 (71)Name of Applicant :

(31) Priority Document No :13/833978 (32) Priority Date :15/03/2013

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/022559

:10/03/2014 Filing Date

(87) International Publication

:WO 2014/150201

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

#### 1)JANSSEN BIOTECH INC.

Address of Applicant: 800/850 Ridgeview Drive Horsham

Pennsylvania 19044 U.S.A. (72) Name of Inventor: 1)OLSON Lorin

2)VOJAN Vaclav 3)PFRANG Juergen E. 4)KRULEVITCH Peter

5)WANG Jingli 6)FOLEY Nicholas 7)ZHAO Mingqi 8) TASHJIAN Paul

### (57) Abstract:

A device configured to administer a medication can comprise a lower housing that includes a housing latch. The device can further comprise a needle guard that is movable relative to the lower housing along a first direction from a first position to a second position so as to expose a needle and an upper housing supported relative to the lower housing. The upper housing can be configured to move with respect to the lower housing along a second direction from a pre use position to a dispensed position. The housing latch can releasably interfere with the upper housing when the upper housing is in the pre use position so as to prevent the upper housing from moving toward the dispensed position and the movement of the needle guard toward the second position causes the interference to be removed thereby allowing the upper housing to move toward the second position.

No. of Pages: 78 No. of Claims: 42

(21) Application No.7954/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: RECHARGEABLE COPPER ZINC CELL

(51) International classification (31) Priority Document No	:H01M8/18 :1303759.3	(71)Name of Applicant: 1)CUMULUS ENERGY STORAGE LIMITED
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:04/03/2013 :U.K.	Address of Applicant :AMP Technology Centre Advanced Manufacturing Park Brunel Way Rotherham S60 5WG U.K.
(86) International Application No Filing Date	:PCT/GB2014/000054 :17/02/2014	(72)Name of Inventor: 1)HURWITZ Michael David
(87) International Publication No (61) Patent of Addition to Application	:WO 2014/135828	2)BRACKENBURY Darron Rolfe
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A rechargeable cell comprising h combination a bipolar electrode a zinc electrolyte a copper electrolyte and metal ion impermeable polymer electrochemical membrane separator wherein the zinc electrolyte and the copper electrolyte are separated from each other by the bipolar electrode on one side and by the membrane separator on the other side. A battery comprising at least one said rechargeable cell.

No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: PIPELINE LEAKAGE PROTECTION VAULT AND SYSTEM THEROF

(51) International classification	:F17D5/02	(71)Name of Applicant:
(31) Priority Document No	:61/905393	1)ZULFIQUAR Mohammed
(32) Priority Date	:18/11/2013	Address of Applicant :35 Elmdon Road Selly Park
(33) Name of priority country	:U.S.A.	Birmingham B29 7LF U.K.
(86) International Application No	:PCT/GB2014/000475	(72)Name of Inventor:
Filing Date	:18/11/2014	1)ZULFIQUAR Mohammed
(87) International Publication No	:WO 2015/071633	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pipeline leakage protection vault system includes a plurality of leakage protection vault modules and a central control unit adapted to be communicably configured to each other. Each module includes a retrofittable configuration adapted to include sub modules coupled around the pipeline. Each sub module includes a protective casing spacer rings and a vault door. The protective casing is adapted to compliment the portion of the pipeline to be fitted to protect the fluid in event of leakage. Further the spacer rings are adapted to be disposed circumferentially over the protective casing in spaced relationship from each other. The spacer rings includes a plurality of components adapted to monitor parameters associated with the pipeline to generate real time data related to the pipeline. Furthermore the vault door disposed over the top protective casing and rest over the spacer rings covering the sub module and withholding the fluid in case of leakage.

No. of Pages: 33 No. of Claims: 31

:NA

:NA

(19) INDIA

(22) Date of filing of Application :23/09/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: METHODS OF PURIFYING VIRUSES USING GEL PERMEATION CHROMATOGRAPHY

(51) International classification :C12N7/02,B01D15/08,C12M3/00 (71)Name of Applicant : (31) Priority Document No 1)ONCOLYTICS BIOTECH INC. :61/480561 Address of Applicant :Suite 210 1167 Kensington Crescent (32) Priority Date :29/04/2011 (33) Name of priority country N.W. Calgary Alberta T2N 1X7 Canada :U.S.A. (86) International Application (72) Name of Inventor: :PCT/CA2012/000406 1)COFFEY Matthew C. No :27/04/2012 Filing Date 2)HAGERMAN Allison (87) International Publication 3)KAPADIA Roxna :WO 2012/145837 4)SERL Sarah (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

#### (57) Abstract:

Filing Date

Number

Provided herein are elution buffers and methods for purifying viruses using gel permeation chromatography. The methods are useful for example in increasing recovery of a virus from a gel permeation chromatography column. The buffers for use in the methods include at least one excipient selected from histidine or sucrose a divalent cation a non ionic detergent and a phosphate buffered saline.

No. of Pages: 23 No. of Claims: 34

(22) Date of filing of Application: 15/10/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention : SOUNDPROOF HOUSING FOR EARSET AND WIRED AND WIRELESS EARSET 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04R1/10 :1020120032199 :29/03/2012 :Republic of Korea :PCT/KR2012/009490 :09/11/2012 :WO 2013/147385 :NA :NA	(71)Name of Applicant:  1)HAEBORA  Address of Applicant: (Geobong INC Building Daechi dong)  Suite 903 11 Samseong ro 86 gil Gangnam gu Seoul 135 845  Republic of Korea (72)Name of Inventor:  1)SHIN Doo Sik
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a soundproof housing for an earset and an earset comprising same. The present invention provides a soundproof housing for an earset comprising: a housing main body which is coupled to the inside of a front surface case having a protrusion portion that is inserted into the ear and which is provided with a speaker accommodation groove for accommodating a speaker and a microphone accommodation groove for accommodating a microphone; a speaker output hole which is penetratingly formed in the speaker accommodation groove so as to communicate with the front surface case and adjacent to which the output end of the speaker is arranged; and a microphone input hole which is formed in a recessed manner inside the microphone accommodation groove so as to communicate with the front surface case and which is arranged adjacent to the input end of the microphone wherein the housing main body is protrudingly formed as a long protrusion toward the inside of the protrusion portion of the front surface case so as to be tightly coupled with the inside of the protrusion portion of the front surface case.

No. of Pages: 38 No. of Claims: 18

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: FLUIDIZED BED USING MULTIPLE JETS FOR GAS 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>	:14/03/2014 :WO 2014/160520 :NA :NA	(71)Name of Applicant:  1)SYNTHESIS ENERGY SYSTEMS INC. Address of Applicant: Three Riverway Suite 300 Houston Texas 77056 U.S.A. (72)Name of Inventor: 1)WINTER John D.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to apparatuses for fluidized bed using multiple jets to introduce gas into a fluidized bed region and methods of fluidizing. The apparatus for introducing fluidizing medium to a fluidized bed reactor comprises a vessel defining a fluidized bed region and in which solid feed stock is fed a gas distribution grid housed in the lower portion of the vessel through which a first fluidizing medium is introduced to fluidize the solid feed stock a plurality of jets positioned through the gas distribution grid through which a second fluidizing medium is introduced into the fluidized bed region for fluidization of the solid feed stock.

No. of Pages: 18 No. of Claims: 16

(21) Application No.7908/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: DYNAMICALLY CONTROLLING SENSORS

(51) International classification (31) Priority Document No	:H04L29/08,H04W84/22 :2013042332	(71)Name of Applicant: 1)NEC CORPORATION
(32) Priority Date	:04/03/2013	Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1088001 Japan
(86) International Application No Filing Date	:PCT/JP2014/000996 :26/02/2014	(72)Name of Inventor : 1)ARUMUGAM Sivabalan
(87) International Publication No	:WO 2014/136401	2)PRASAD Anand Raghawa
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A sensor system includes a plurality of sensors (100) and a higher layer device of the sensor. The sensor (100) includes a receiving part (101) that receives a control signal having at least one control command. The control signal is sent from the higher layer device. The sensor further includes a sensing part (103) that senses sensor data with at least one configuration parameter dynamically set by the control command included in the control signal. The control signal may include at least one of a frequency control command and an accuracy control command.

No. of Pages: 39 No. of Claims: 22

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: ENERGY CONSERVATION BY MEANS OF TRAFFIC SHAPING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>(62) Divisional to Application Number</li> </ul>	:H04Q11/00 :13/787596 :06/03/2013 :U.S.A. :PCT/IB2014/058979 :13/02/2014 :WO 2014/136004 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)HOOD David
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

A method executed by an optical line terminal (OLT) in a passive optical network (PON). The PON includes a plurality of optical network units (ONUs) coupled with the OLT through an optical fiber the ONUs sharing a bandwidth of the optical fiber. The method includes receiving from the ONU an energy conservation message indicating support for the reduced buffer memory size. The reduced buffer memory size is calculated based on the maximum committed transmission rate and the burst size limit for the downstream traffic intended for the ONU. A notification is transmitted to the ONU indicating that a portion of the buffer memory can be powered down such that only the reduced size of the buffer memory remains in operation and downstream traffic intended for the ONU is transmitted at an average transmission rate and burst size not exceeding the maximum committed transmission rate and the burst size limit.

No. of Pages: 27 No. of Claims: 20

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ASCORBIC ACID ELUTING IMPLANTABLE MEDICAL DEVICES SYSTEMS AND RELATED 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F2/02 :61/679958 :06/08/2012 :U.S.A. :PCT/US2013/051614 :23/07/2013 :WO 2014/025526 :NA :NA	(71)Name of Applicant:  1)SOUTH DAKOTA BOARD OF REGENTS  Address of Applicant: 306 East Capitol Ave Suite 200 Pierre South Dakota 57501 U.S.A. (72)Name of Inventor:  1)MANI Gopinath
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#### (57) Abstract:

Implantable medical devices may elute drugs that promote the growth of endothelial cells while inhibiting the growth of smooth muscle cells. In some instances implantable medical devices may elute L ascorbic acid or vitamin C. In some instances an implantable medical device configured to elute L ascorbic acid may be a stent although a variety of other implantable medical devices are contemplated.

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

(21) Application No.8967/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/10/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: CONVERSION OF ACID GAS TO SULPHATE OR PHOSPHATE BASED FERTILIZERS

(51) International :C05F11/00,C01B17/74,C05B11/08 classification

(31) Priority Document No :2737825 (32) Priority Date :20/04/2011 (33) Name of priority country: Canada

(86) International Application :PCT/CA2012/000377

:20/04/2012 Filing Date

(87) International Publication :WO 2012/142704

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA Number

:NA

Filing Date

(71) Name of Applicant:

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Address of Applicant: 6443 2nd Street S.E. Calgary Alberta

T2H 1J5 Canada

(72) Name of Inventor:

1) IYER Satish 2)KNOLL Rick 3)PEDERSEN Eric

#### (57) Abstract:

A method is disclosed for producing sulphate or phosphate based fertilizer from hydrogen sulphide. The method involves feeding a stream containing a substantial volume of hydrogen sulphide and air to a furnace where it is burned to produce a sulphur dioxide rich gas stream. The sulphur dioxide rich gas stream is then fed to a reactor to produce a sulphuric acid stream and a waste stream comprising carbon dioxide nitrogen oxygen trace impurities and trace amounts of unreacted sulphur dioxide. The sulphuric acid stream is finally converted to a sulphate or phosphate based fertilizer.

No. of Pages: 18 No. of Claims: 23

(21) Application No.630/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/03/2014 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: FEMORAL ORTHOPAEDIC SURGICAL INSTRUMENTS FOR SETTING OFFSET

(51) International alassification	:A61B	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:13/832,203	1 '
(32) Priority Date	:15/03/2013	Address of Applicant :Loughbeg Industrial Estate,
(33) Name of priority country	:U.S.A.	Ringaskiddy, Co Cork, Ireland Ireland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)REBECCA L. CHANEY
(87) International Publication No	: NA	2)CRAIG S. TSUKAYAMA
(61) Patent of Addition to Application Number	:NA	3)JOSEPH G. WYSS
Filing Date	:NA	4)PHILLIP G. WITHEE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A number of orthopaedic surgical instruments for use in a surgical procedure to prepare a patientTMs femur to receive an orthopaedic prosthesis. The tools include guide tools, cutting tools, surgical blocks, and other orthopaedic surgical instruments configured to plan and guide the preparation of the patientTMs femur. A method of using the orthopaedic surgical instruments is also disclosed.

No. of Pages: 106 No. of Claims: 20

(21) Application No.7066/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 29/04/2016

#### (54) Title of the invention: LYOPHILIZED FORMULATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K1/02 :61/440918 :09/02/2011 :U.S.A. :PCT/US2012/024452 :09/02/2012 :WO 2012/109429 :NA :NA :NA	(71)Name of Applicant:  1)GLAXOSMITHKLINE LLC Address of Applicant: One Franklin Plaza 200 North 16th Street Philadelphia PA 19102 U.S.A. (72)Name of Inventor: 1)KRANZ James 2)RINELLA Joseph
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#### (57) Abstract:

The invention is directed to a method for producing a polypeptide composition comprising: combining a polypeptide with a volatile additive to form a liquid mixture and lyophilizing the liquid mixture to obtain a lyophilized polypeptide composition.

No. of Pages: 47 No. of Claims: 28

(21) Application No.7068/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: IMAGE CAPTURING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01C3/08,G01C11/02,B60R1/00 :1102291.0 :10/02/2011	(71)Name of Applicant:  1)BAE SYSTEMS plc  Address of Applicant :6 Carlton Gardens London SW1Y 5AD
(33) Name of priority country	:U.K.	U.K.
(86) International Application No Filing Date	:PCT/GB2012/050263 :07/02/2012	<ul><li>(72)Name of Inventor:</li><li>1)FINN Harry John</li><li>2)TEBAY Andrew Christopher</li></ul>
(87) International Publication No	:WO 2012/107751	3)PARKER David Robert 4)STOCKTON Simon Graham
<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:

A camera assembly (6) for mounting on a vehicle (2) (e.g. an aircraft) the camera assembly (6) comprising: a fixture (e.g. a rotatable drum (18)); a camera (14); and a mirror (16); wherein the fixture is arranged to be rotated relative to the vehicle (2) about an axis (24); the camera (14) is mounted on the fixture such that the camera (14) has a substantially fixed position relative to the fixture; the mirror (16) is mounted on the fixture such that if the fixture rotates the mirror (16) rotates; the mirror (16) is rotatable relative to the fixture about a further axis (26) the further axis (26) being substantially perpendicular to the axis (24); and the camera (14) is arranged to detect electromagnetic radiation reflected by the mirror (16). The axis (24) and the further axis (26) may intersect.

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

(21) Application No.7962/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: ORAL FORMULATIONS OF DEFERASIROX

(51) International classification :A61K9/20,A61K9/28,A61K9/50 (71) Name of Applicant:

(31) Priority Document No :61/774893 (32) Priority Date :08/03/2013

(33) Name of priority country :U.S.A.

(86) International Application :PCT/IB2014/059494 No

:06/03/2014 Filing Date

(87) International Publication No:WO 2014/136079

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)NOVARTIS AG

Address of Applicant: Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor: 1)GHOSH Indrajit 2)ZHANG Jia Ai

(57) Abstract:

Orally administerable deferasirox formulations are disclosed having reduced release under gastric conditions and fast release at near neutral pH or at neutral pH.

No. of Pages: 47 No. of Claims: 24

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: CONTROL DEVICE FOR 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> </ul>	:F02D13/02,F01L1/356 :2013076399 :01/04/2013 :Japan :PCT/JP2014/057213 :18/03/2014 :WO 2014/162861 :NA :NA	(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)YAMAMOTO Shunsuke 2)NAKASHIMA Toyokazu
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		

#### (57) Abstract:

This control device for an internal combustion engine is equipped with a control unit. The control unit controls the relative rotational phase of an exhaust cam shaft in accordance with the relative rotational phase of an inlet cam shaft. When it becomes necessary to lock in the relative rotational phase of the inlet cam shaft at an intermediate phase the control unit controls the relative rotational phase of the exhaust cam shaft to correspond to the intermediate phase independently from the relative rotational phase of the inlet cam shaft.

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

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: GENERATION OF COMPANY RANKING 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>(26) International Application No.</li> </ul>	:14/494,402 :23/09/2014 :U.S.A.	Address of Applicant :2029 Stierlin Court Mountain View, California 94043, United States of America U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor:
(87) International Publication No	:NA : NA	1)GORDON, Vitaly
		2)KAPUR, Navneet
(61) Patent of Addition to Application Number	:NA	3)YU, Ada Cheuk Ying
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and system to determine company ranking data utilizing on-line social network data is described. A company ranking system may examine member profiles representing respective members of an on-line social network system and extract transition data. From the transition data, the company ranking system may construct a company transition graph having nodes that represent respective companies and edges that represent transitions of employees from one company to another. A rank or a node score for each node of the company transition graph may be determined by applying a ranking algorithm to the graph. The scores generated for respective nodes in the company transition graph may be stored for future use in a database.

No. of Pages: 23 No. of Claims: 19

(21) Application No.7845/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: AMATOXIN DERIVATIVES

(51) International classification	:A61K47/48,C07K7/64	(71)Name of Applicant:
(31) Priority Document No	:13001074.7	1)HEIDELBERG PHARMA GMBH
(32) Priority Date	:04/03/2013	Address of Applicant :Schriesheimer Strasse 101 68526
(33) Name of priority country	:EPO	Ladenburg Germany
(86) International Application No	:PCT/EP2014/000614	(72)Name of Inventor:
Filing Date	:10/03/2014	1)MLLER Christoph
(87) International Publication No	:WO 2014/135282	2)ANDERL Jan
(61) Patent of Addition to Application	:NA	3)SIMON Werner
Number	:NA	4)LUTZ Christian
Filing Date	.11/1	5)HECHLER Torsten
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to tumour therapy. In one aspect the present invention relates to conjugates of an amatoxin and a target binding moiety e.g. an antibody connected by certain linkages which are useful in the treatment of cancer and other disorders and diseases. In a further aspect the invention relates to pharmaceutical compositions comprising such conjugates.

No. of Pages: 58 No. of Claims: 18

(21) Application No.7990/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: SNAP FITTING DEVICE FOR SOFTBOX

(51) International classification :G03B15/07,G03B15/03 (71)Name of Applicant : (31) Priority Document No 1)GODOX PHOTO EQUIPMENT CO.LTD :201320719239.5 (32) Priority Date Address of Applicant : ZENG Weijun A4 Huafa Industrial :14/11/2013 (33) Name of priority country zone Xinhe Village Fuyuan 1 Road Fuyong Baoan District :China (86) International Application No Shenzhen Guangdong 518000 China :PCT/CN2013/090673 (72) Name of Inventor: Filing Date :27/12/2013 (87) International Publication No :WO 2015/070505 1)ZENG Weijun (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided is a snap fitting device for a softbox comprising: a casing on which a supporting member (6) a snap fitting member and a light passage hole (4) are formed. The light passage hole (4) is a cylindrical hole and a flash lamp cap fixing device is formed therein. The flash lamp cap fixing device comprises a supporting platform (8) and a pressing plate (7) opposite to the supporting platform (8) and having an adjustable position relative to the supporting platform (8). The snap fitting device for a softbox enables an on camera flash lamp to use both an on camera flash lamp folded softbox and a strobe flash lamp softbox reducing expenses for a user.

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

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: SELF MEASURING CONTAINER AND METHOD FOR REMOVING CONTENT 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> <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>	:B65D83/76 :201310069274.1 :05/03/2013 :China :PCT/CN2014/072898 :05/03/2014 :WO 2014/135076 :NA :NA :NA	(71)Name of Applicant:  1)BEIJING RED SEA TECH CO. LTD.  Address of Applicant: B416 Room No. 218 1 Wangfujing Street Dongcheng District Beijing 100006 China (72)Name of Inventor:  1)CHEN Zengxin  2)LUO Shumin
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#### (57) Abstract:

A self measuring container and method for removing content therein the container comprising: a container body a pressure changing part a pressure transferring channel (4) a control valve (5) and an outflow channel (6); a plunger is provided in the pressure transferring channel; the control valve comprises a valve body provided with at least two tubes respectively connected to the container body and the outflow channel and a valve core provided with an inner channel and at least one passage the inner channel communicating with the pressure transferring channel and the passage; the valve core is connected to the plunger via a sliding component thus allowing the plunger to drive the valve core to move in the valve body when the pressure generated by the pressure changing part changes.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: PREPARATION METHOD OF AZOXYSTROBIN

		(71)Name of Applicant :
(51) International classification	:C07D239/52	1)NUTRICHEM COMPANY LIMITED
(31) Priority Document No	:201310182260.0	Address of Applicant :Building D 1 Zhongguancun
(32) Priority Date	:16/05/2013	Dongsheng Science Park No . 66 Xixiaokou Road Haidian District
(33) Name of priority country	:China	Beijing 100192 China
(86) International Application No	:PCT/CN2014/073733	2)SHANGYU NUTRICHEM CO. LTD.
Filing Date	:20/03/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/183502	1)WANG Wenjun
(61) Patent of Addition to Application	:NA	2)CHEN Jianwei
Number	:NA	3)CHI Jianhong
Filing Date	.IVA	4)ZHAO Yongchang
(62) Divisional to Application Number	:NA	5)DENG Xufang
Filing Date	:NA	6)WANG Long
		7)YOU Huanan

#### (57) Abstract:

Disclosed in the present invention is a preparation method of Azoxystrobin having a structure as shown by formula(1), the method comprising: a) performing an etherification reaction by reacting the compound having a structure shown by formula(2) with 2-cyanophenol and/or a salt thereof under the catalysis of an azabicyclo tertiary amine compound and/or a salt thereof as the catalyst in a butyl acetate medium to obtain a butyl acetate solution containing Azoxystrobin; and b) cooling the butyl acetate solution containing Azoxystrobin to precipitate Azoxystrobin having a structure as shown by formula (1) from the butyl acetate solution. Using the method provided by the present invention to prepare Azoxystrobin can significantly improve the yield of Azoxystrobin, and can obtain Azoxystrobin products having high purity.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SUPERCONDUCTING FAULT CURRENT LIMITER 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>	:H02H9/02 :13/835 434 :15/03/2013 :U.S.A. :PCT/US2014/022406 :10/03/2014 :WO 2014/150152 :NA :NA	(71)Name of Applicant: 1)VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES INC. Address of Applicant: 35 Dory Road Gloucester MA 01930 U.S.A. (72)Name of Inventor: 1)TEKLETSADIK Kasegn D. 2)STANLEY Charles L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A current limiter system includes a superconducting fault current limiter (SCFCL) op erative to conduct load current during a normal operation state in which the SCFCL is in a super conducting state. The current limiter system also includes a shunt reactor connected in an electric ally parallel fashion to the SCFCL and configured to conduct less current than the SCFL in the nor mal operation state, and a protection switch connected in electrical series with the SCFCL and shunt reactor and configured to disconnect the SCFCL for a predetermined time from a load current path during a fault condition after fault cur rent exceeds a threshold current value.

No. of Pages: 35 No. of Claims: 15

(21) Application No.7331/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: SOLVENT MIXTURE FOR MOLECULAR WEIGHT CONTROL

(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	:C08G61/12,C09D165/00,B01J13/00 :61/447524 :28/02/2011 :U.S.A. :PCT/US2012/025856 :21/02/2012 :WO 2012/118635 :NA :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A. (72)Name of Inventor:  1)HE Mingqian  2)MATTHEWS James Robert 3)SORENSEN Michael Lesley
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A method of making a polymer, including: heating, for a sufficient time and temperature, to polymerize a homogenous mixture including of at least one polymerizable monomer, and a solvent mixture comprised of at least a first liquid and a second liquid, the first liquid being a stronger solvent for the product polymer than the weaker second liquid, and the polymer product precipitates from the homogenous mixture during the heating, as defined herein. Also disclosed are semiconducting articles and printable inks prepared with the resulting narrow polydispersity polymers, as defined herein.

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

(21) Application No.7337/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ELEMENT RESISTANT TO AIR TRANSFERS AND THERMAL AND HYDRIC TRANSFERS IN THE FIELD OF CONSTRUCTION ESPECIALLY FOR LIGHTWEIGHT WALLS OR LIGHTWEIGHT FA‡ADES

:E04B2/94,C09D5/02,C09D5/03 | (71)Name of Applicant : (51) International classification

(31) Priority Document No :PCT/FR2011/050357

(32) Priority Date :21/02/2011 (33) Name of priority country :France

(86) International Application No: PCT/FR2012/050352

Filing Date :17/02/2012

(87) International Publication No: WO 2012/114028

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)SINIAT INTERNATIONAL SAS

Address of Applicant :500 rue Marcel Demonque Zone du P'le

Technologique Agroparc F 84000 Avignon France

(72)Name of Inventor:

1)BOISVERT Jean Philippe 2)TINTILLIER Patrick 3)HEDMAN Goran 4)HOUVENAGHEL Geert

(57) Abstract:

The invention relates to the dry construction of lightweight walls especially the construction of load bearing lightweight fa§ades or non load bearing lightweight fa§ades that is those which do not contribute to the stability of the building. The invention specifically relates to an element comprising a panel based on a hydraulic binding agent all or part of the face of which is coated with a polymer film obtained by polymerisation under the action of radiation; a structure; and a jointing component resistant to air transfers and thermal and hydric transfers. Said element does not comprise any membranes that are resistant to air transfers and thermal and hydric transfers.

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

(21) Application No.7987/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: SPECIFIC UNSATURATED AND BRANCHED FUNCTIONAL MATERIALS FOR USE IN **CONSUMER PRODUCTS**

(51) International

:A61Q5/00,C07C33/02,C07C33/025

classification

:61/792510

(31) Priority Document No (32) Priority Date

:15/03/2013

(33) Name of priority country: U.S.A.

(86) International Application: PCT/US2014/022481

No Filing Date

:10/03/2014

(87) International Publication: WO 2014/150171

(61) Patent of Addition to

:NA

**Application Number** Filing Date

:NA

(62) Divisional to **Application Number**  :NA :NA

Filing Date

(71) Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72) Name of Inventor:

1)SCHEIBEL Jeffrey John

2)WEST Ryan Michael

3)CRON Scott Leroy

4) DEROSE Stephen Anthony

5)LINGOES Janette Villalobos

6)KELLETT Patti Jean 7) URBIN Stephanie Ann

#### (57) Abstract:

Novel poly branched mono or poly unsaturated functional materials are provided. More specifically certain novel unsaturated branched functional compositions are provided that are made via isoprenoids and/or isoprenoid derivatives which come from either natural or synthetic sources. Also disclosed is their use or modification for use in consumer products such as laundry products personal care products dishcare products shampoo products and hard surface cleaning products and the like comprising the functional compositions or modified compositions.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: CATALYST AND PROCESS FOR OXYCHLORINATION OF ETHYLENE TO DICHLOROETHANE

(51) International :B01J27/138,B01J23/83,B01J37/02 classification

(31) Priority Document No :61/798872 (32) Priority Date :15/03/2013

(33) Name of priority country: U.S.A.

(86) International Application No

:PCT/US2014/030233 :17/03/2014

Filing Date

(87) International Publication :WO 2014/145463 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)OXY VINYLS LP

Address of Applicant :5005 LBJ Freeway Suite 2200 Dallas

Texas 75244 U.S.A. (72) Name of Inventor: 1)KRAMER Keith

(57) Abstract:

In an oxychlorination process of the type where ethylene is converted to 1 2 dichloroethane in the presence of a supported copper catalyst the improvement comprising: the use of a supported catalyst prepared by (i) impregnating within a first step an alumina support with a first aqueous solution including copper an alkaline earth metal and an alkali metal to thereby form a first catalyst component; and (ii) impregnating within a subsequent step the first catalyst component with a second aqueous solution including copper and alkaline earth metal where the second aqueous solution is substantially devoid of alkali metal to thereby form the supported catalyst.

No. of Pages: 29 No. of Claims: 14

(22) Date of filing of Application :25/10/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: OPERATION PANEL AND MECHANICAL TYPE PARKING FACILITY

(51) International classification (31) Priority Document No	:E04H6/18 :2012200773	(71)Name of Applicant: 1)MITSUBISHI HEAVY INDUSTRIES PARKING CO.
(32) Priority Date	:12/09/2012	LTD.
(33) Name of priority country	:Japan	Address of Applicant :3 1 Minatomirai 3 chome Nishi ku
(86) International Application No	:PCT/JP2013/062675	Yokohama shi Kanagawa 2208401 Japan
Filing Date	:30/04/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/041843	1)HARA Kazuya
(61) Patent of Addition to Application Number	:NA	2)HATANO Takamasa 3)NODA Seiichi
Filing Date	:NA	S)NODA SCHCIII
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In this mechanical type parking facility operated by a manager in order to make it possible to clearly understand the loading/unloading state of a parking lot to improve operability and eliminate input mistakes and to minimize user wait time and enable efficient operation this operation panel has a touch panel type operation screen (26) on which an icon (14i) for each parking space is displayed in real time together with the corresponding occupied / unoccupied state of each parking space. When loading a vehicle a control device is made to perform a loading operation by touching an icon (14i) displayed as unoccupied and when unloading a vehicle the control device is made to perform an unloading operation by touching the icon (14i) of the parking space where the vehicle to be unloaded is parked. Further together with the icon (14i) of the parking space the lift position and motion are displayed in real time by means of an icon (12i). The operation screen (26) automatically scrolls to match the motion of the icons (12i).

No. of Pages: 78 No. of Claims: 13

(21) Application No.7677/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/09/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ORGANIC COMPOUNDS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C37/82 :60/687,715 :06/06/2005 :U.S.A. :PCT/US2006/022066 :06/06/2006 :WO2006/133261 :NA :NA	(71)Name of Applicant:  1)INTRACELLULAR THERAPIES, INC. Address of Applicant: 3960 Broadway, New York, NY 10032, USA U.S.A. (72)Name of Inventor: 1)PENG LI 2)HAIYAN WU
. ,		
(62) Divisional to Application Number Filed on	:9296/DELNP/2007 :03/12/2007	

#### (57) Abstract:

The invention provides novel 7,8-dihydro-imidazo[1,2-a]pyrazolo[4,3-e]pyrimidin-4-one compounds and 7,8,9-trihydro-[lH or 2H]-pyrimido [1,2-a]pyrazolo[4,3-e]pyrimidin-4(5H)-one compounds, substituted at the 1 or 2 position with C2-9 alkyl, 03.9 cycloalkyl, heteroarylalkyl, or substituted arylalkyl, in free, salt or prodrug form, processes for their production, their use as Pharmaceuticals, particularly as PDE1 inhibitors, and pharmaceutical compositions comprising them.

No. of Pages: 63 No. of Claims: 15

(21) Application No.7970/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: 65 DB SOUND BARRIER INSULATED BLOCK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:E04C1/00,E02D29/02,E04B1/02 :US 13758373 :04/02/2013	(71)Name of Applicant:  1)COSSETTE Andr  Address of Applicant: 9882 Carr Jean Hans Qubec (QC)
(33) Name of priority country	:U.S.A.	G2B2N6 Canada
(86) International Application No Filing Date	:PCT/CA2014/000075 :04/02/2014	(72)Name of Inventor : 1)DEMEGILLO Lyhieryl P.
(87) International Publication No	:WO 2014/117260	
<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 assembly of at least two parts of blocks made of light weight concrete wood or rock separated by a channel void or filled with an insulating substance. Channels provide a sound barrier and insulation. Attachment of the blocks can be made by means of angular steel pins fixing blocks two by two by means of adhesive fibre glass wrapping the blocks by means of adhesive construction glue or by means of crossed tie resisting to shear forces. Central channels in the blocks are dug to pass a metal rod to strengthen the whole assembly of blocks; a central passage pierced in a top face of a central block wherein a metal rod is inserted and continues through an end groove of an upper and a lower block. Or channels are dug all along the periphery of the block and horizontal and a vertical rods are affixed against the channel.

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

(21) Application No.7972/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: SHIP1 MODULATORS AND METHODS RELATED THERETO

(51) International :C07D213/75,C07D213/82,C07C35/21 classification

(31) Priority Document No :61/786020 (32) Priority Date :14/03/2013 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2014/019126 Application No :27/02/2014

Filing Date

(87) International :WO 2014/158654 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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4)BOGUCKI David

5)RAYMOND Jeffery R.

6)PETTIGREW Jeremy D.

# (57) Abstract:

Compounds of formula (II): wherein A R R R and R are described herein or a stereoisomer enantiomer or tautomer thereof or mixtures thereof or a pharmaceutically acceptable salt or solvate thereof are described herein as well as other compounds. These compounds have activity as SHIP1 modulators and thus may be useful in treating a variety of diseases disorders or conditions that would benefit from SHIP1 modulation. Compositions comprising a compound of the invention are also disclosed as are methods of SHIP1 modulation by administration of such compounds to an animal in need thereof.

No. of Pages: 184 No. of Claims: 41

(21) Application No.7975/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR PURIFYING 1 5 DIAMINOPENTANE

(51) International classification :C07C209/84,C07C211/09,C12P13/00

(31) Priority Document No :1020140040743 (32) Priority Date :04/04/2014

(32) Priority Date :04/04/2014
(33) Name of priority country :Republic of Korea

(86) International :PCT/KR2015/002657

Application No
Filing Date

119/03/2015

(87) International :WO 2015/152541

Publication No
(61) Patent of Addition to
Application Number
Filing Date
:WO
:NA
:NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)CJ CHEILJEDANG CORP.

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(72)Name of Inventor: 1)GWAK Won Sik 2)WON Hyun Ju 3)MURADA Hideki 4)LEE Chong Ho

# (57) Abstract:

The present invention provides a method for purifying through a decarboxylation step and a pH control step a reaction solution comprising a carbonate of 1 5 diaminopentane produced by fermentation. Furthermore the present invention provides 1 5 diaminopentane purified by the method.

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

(22) Date of filing of Application :06/11/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ENERGY SAVING AND/OR SAFETY 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>	:H02J3/00 :1207358.1 :27/04/2012 :U.K. :PCT/GB2013/051084 :26/04/2013 :WO 2013/160705 :NA :NA	(71)Name of Applicant:  1)VIOEARTH HOLDINGS LIMITED  Address of Applicant:9-10 St Andrew Square, Edinburgh EH2 2AF U.K.  (72)Name of Inventor:  1)MCNEILL - MCCALLUM, Duncan  2)MCNEILL- MCCALLUM, Emma
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A power control device comprising a communication system for communicating with at least one remote agent and/or remote user input device; wherein the power control device is configured to control power supplied to or from one or more power outlets responsive to the remote agent and/or remote user input device. In certain examples the at least one remote agent monitors and/or runs on one or more monitored devices and the remote agent is configured to monitor usage of the one or more monitored devices and signal the power control device when the monitored device has not been used and/or not received user input for a threshold period. Preferably the power control device comprises a plurality of operational groups each operational group comprising at least one of the one or more power outlets and each operational group of power outlets is controlled by the power control device differently and/or according to a different power control scheme to the other operational groups.

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

(21) Application No.7879/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SHOT PROCESSING DEVICE

(51) International classification	:B24C3/18,B24C9/00	(71)Name of Applicant:
(31) Priority Document No	:2013045940	1)SINTOKOGIO LTD.
(32) Priority Date	:07/03/2013	Address of Applicant: 11 11 Nishiki 1 chome Naka ku Nagoya
(33) Name of priority country	:Japan	shi Aichi 4600003 Japan
(86) International Application No	:PCT/JP2013/078220	(72)Name of Inventor:
Filing Date	:17/10/2013	1)YAMAMOTO Masatoshi
(87) International Publication No	:WO 2014/136308	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

According to the present invention a suspension part (50) is provided on the upper side of a cabinet (12). A rotation mechanism (62) causes the suspension part (50) to rotate about the axis of the suspension part (50) oriented along the vertical direction of the device. A hanger part (52) suspended on the suspension part (50) is provided inside the cabinet and a pair of frame parts (54) are arranged next to each other in series so as to open in the same direction. Projectors (22 24) project a projection material toward the side of the hanger part (52). A loading/unloading device (86) provided to the exterior of the cabinet (12) is configured so that an arm (86G) constituting a part of the loading/unloading device (86) can be inserted into the opening of the frame parts (54) of the hanger part (52) and can transport a tray (T) on which a processing subject (W) is placed. The loading/unloading device (86) moves the arm (86G) backward and forward and thereby loads and unloads the tray (T) with respect to the hanger part (52).

No. of Pages: 104 No. of Claims: 7

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LOW TEMPERATURE LIQUID TANK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F17C13/08,F17C3/04 :2013071115 :29/03/2013 :Japan :PCT/JP2013/082743 :05/12/2013 :WO 2014/155843 :NA :NA	(71)Name of Applicant:  1)IHI CORPORATION Address of Applicant: 1 1 Toyosu 3 chome Koto ku Tokyo 1358710 Japan (72)Name of Inventor: 1)SUGIURA Shinya 2)TAKAHASHI Masaki 3)NAKAMURA Tomohiko
Number		

### (57) Abstract:

A low temperature liquid tank (1) provided with: a storage tank (5) having a bottom (5a) obtained by joining multiple bottom plates (5a1); and a support (10) for supporting the bottom. The support is provided with: an outer support section (11) for supporting the margin of the storage tank including the side walls of the storage tank; and an inner support section (12) which comprises a heat insulating material (4b1) that creeps as a result of a load being applied and which is disposed on the inside of the outer support section. The initial height of the upper surface of the inner support section is set so that during the service life of the low temperature liquid tank the maximum bending stress acting on the bottom plates as a result of the difference between the height of the upper surface of the inner support section and the height of the upper surface of the outer support section does not exceed the allowable bending stress for the bottoms plates.

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

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD OF OPTIMIZING OPTICAL SIGNAL QUALITY IN AN OPTICAL COMMUNICATIONS LINK OPTICAL NETWORK ELEMENT AND OPTICAL COMMUNICATIONS LINK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04B10/29 :NA :NA :NA :PCT/EP2012/065258 :03/08/2012 :WO 2014/019631 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)NIJHOF Jeroen 2)BRUNO Gianmarco 3)SOSO Anna
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method (10) of optimizing optical signal quality in an optical communications link comprising a plurality of sections each comprising an optical amplification apparatus and an optical fibre span the method comprising: for each section determining a respective optimal optical channel power which minimizes a sum of an indication of a respective linear optical noise and an indication of a respective nonlinear optical noise (12); and generating and transmitting at least one control signal arranged to cause a target optical channel power of each section to be set to the respective optimal optical channel power (14).

No. of Pages: 41 No. of Claims: 20

(21) Application No.9375/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/11/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention: NEW METHODS

(51) International classification	:A61K31/167	(71)Name of Applicant:
(31) Priority Document No	:61/644268	1)AEROMICS, LLC
(32) Priority Date	:08/05/2012	Address of Applicant :11000 Cedar Ave, Suite 270, Cleveland,
(33) Name of priority country	:U.S.A.	Ohio 44106 3008 U.S.A.
(86) International Application No	:PCT/US2013/040194	(72)Name of Inventor:
Filing Date	:08/05/2013	1)PELLETIER, Marc F.
(87) International Publication No	:WO 2013/169939	2)FARR, George, William
(61) Patent of Addition to Application	:NA	3)MCGUIRK, Paul, Robert
Number	:NA	4)HALL, Christopher, H.
Filing Date	.IVA	5)BORON ,Walter, F.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the use of selective aquaporin inhibitors e.g., of aquaporin 4 or aquaporin 2 e.g. certain phenylbenzamide compounds, for the prophylaxis, treatment and control of aquaporin -mediated conditions e.g. diseases of water imbalance, for example edema, as well as hyponatremia and excess fluid retention, and diseases such as epilepsy retinal ischemia and other diseases of the eye associated with abnormalities in intraocular pressure and/or tissue hydration myocardial ischemia myocardial ischemia/reperfusion injury, myocardial infarction, myocardial hypoxia congestive heart failure sepsis and neuromyelitis optica, as well as migraines, as well as to novel assays for identifying aquaporin inhibitors.

No. of Pages: 94 No. of Claims: 80

(21) Application No.6359/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PRESERVATION OF BIOMASS MATERIAL COMPRISING POLYSACCHARIDE AND METHOD FOR EXTRACTING POLYSACCHARIDE FROM PRESERVED BIOMASS MATERIAL

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:61/435104	1)CP KELCO APS
(32) Priority Date	:21/01/2011	Address of Applicant : Ved Banen 16 DK 4623 Lille Skensved
(33) Name of priority country	:U.S.A.	Denmark
(86) International Application No	:PCT/EP2011/073934	(72)Name of Inventor:
Filing Date	:23/12/2011	1)TRUDSOE Jens Eskil
(87) International Publication No	:WO 2012/097943	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A process for preserving biomass material comprising polysaccharide the process comprising contacting the biomass material with a preserving composition comprising alcohol to form a preserved biomass material and storing the preserved biomass material for at least 24 hours. At least a substantial amount of the polysaccharide may be extracted from the preserved biomass material with yields comparable to or improved over extraction from fresh non preserved biomass material.

No. of Pages: 46 No. of Claims: 39

10) CARL H. POPPE

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD AND APPARATUS OF DETECTING AND COLLECTING SAMPLE COMPONENTS WITHIN A FIRST SAMPLE STREAM'

(71)Name of Applicant: 1)ALLTECH ASSOCIATES, INC. (51) International classification :G01 30/82 Address of Applicant: 7500 GRACE DRIVE, COLUMBIA, (31) Priority Document No :61/005,500 MARYLAND 21044-4098, USA U.S.A. (32) Priority Date :05/12/2007 (72) Name of Inventor: (33) Name of priority country :U.S.A. 1) JAMES M. ANDERSON, JR. (86) International Application No :PCT/US2008/013359 2) RAAIDAH SAARI-NORHAUS Filing Date :04/12/2008 3)WASHINTON MENDOZA (87) International Publication No :WO 2009/075764 4) JOSEF P. BYSTRON (61) Patent of Addition to Application :NA 5)DIRK HELGEMO Number :NA 6)BRUCE D. BLACK Filing Date 7)NEIL R. PICHA (62) Divisional to Application Number :6976/DELNP/2009 8) DENNIS K. MC CREARY Filed on :30/10/2009 9)SHELDON NELSON

# (57) Abstract:

Methods and apparatus for analyzing a sample using at least one detector are disclosed.

No. of Pages: 57 No. of Claims: 20

(21) Application No.6983/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD AND APPARATUS OF DETECTING AND COLLECTING SAMPLE COMPONENTS WITHIN A SAMPLE STREAM

(51) International classification :G01 30/82 (31) Priority Document No :61/005,590 (32) Priority Date :05/12/2007 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2008/013359 Filing Date :04/12/2008 (87) International Publication No :WO 2009/075764 (61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :6976/DELNP/2009 Filed on :30/10/2009 (72)Name of Inventor:
1)JAMES M. ANDERSON, JR.
2)RAAIDAH SAARI-NORHAUS
3)WASHINGTON MENDOZA
4)JOSEF P. BYSTRON
5)DIRK HELGEMO
6)BRUCE D. BLACK

1)ALLTECH ASSOCIATES, INC.

MARYLAND 21044-4098 USA U.S.A.

Address of Applicant: 7500 GRACE DRIVE, COLUMBIA,

7)NEIL R. PICHA 8)DENNIS K. MC CREARY 9)SHELDON NELSON 10)CARL H. POPPE

(71)Name of Applicant:

# (57) Abstract:

Methods and apparatus for analyzing a sample using at least one detector are disclosed.

No. of Pages: 57 No. of Claims: 20

(22) Date of filing of Application :06/08/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: METHOD FOR PRODUCING A COLOUR AND/OR EFFECT PRODUCING MULTI LAYERED **COATING**

(51) International :C08G18/10,C08G18/32,C08G18/75

classification :11155808.6 (31) Priority Document No

(32) Priority Date :24/02/2011

(33) Name of priority country: EPO

(86) International :PCT/EP2012/053175 Application No

:24/02/2012 Filing Date

(87) International Publication :WO 2012/113914

(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 COATINGS GMBH

Address of Applicant: Glasuritstrae 1 48165 M¹/₄nster

Germany

(72)Name of Inventor: 1)STEINMETZ Bernhard 2) JANKOWSKI Peggy

# (57) Abstract:

The present invention relates to a novel method for producing a colour and/or effect-producing multi-layered coating, in which (1) a pigmented aqueous base coat containing at least one polyurethane resin (A) as a binder and at least one colour and/or effect-producing pigment, is applied to a substrate, (2) a polymer film is formed from the base coat that was applied in stage (1), (3) a clear coat is applied onto the base coat layer which was obtained in this manner, and then (4) the base coat layer is cured together with the clear coat that was applied in stage (3). The claimed method is characterised in that the pigmented aqueous base coat applied in stage (1) contains, in relation to the total amount of the pigmented aqueous base coat, 0.05 to 10 wt.% of an associative thickener (B) which differs from the polyurethane resin (A), said associative thickener (B) consisting of at least one compound of formula (I) with n = 0 to 50, wherein R = (Ia) with m= 0 to 10, wherein R1 = H or R2, wherein R2 = (Ib) with o = 0 to 50, providing that, for no more than 50 wt.% of the compounds of formula (I), m = 0 and R1 = H apply. The subject matter of the present invention is also a pigmented aqueous base coat containing at least one polyurethane resin (A) as a binder, at least one colour and/or effect-producing pigment as well as, in relation to the total amount of the pigmented aqueous base coat, 0.05 to 10 wt.% of at least one associative thickener (B). Likewise, the subject matter of the present invention is a colour and/or effect-producing multi-layered coating that is produced according to the claimed method.

No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :01/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LIGHTING DEVICE AND DISPLAY DEVICE

(51) International classification :F21S2/00,F21V7/00,F21V7/09 (71)Name of Applicant : (31) Priority Document No 1)SONY CORPORATION :2011104767 (32) Priority Date :09/05/2011 Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 (33) Name of priority country :Japan Japan (86) International Application No :PCT/JP2012/061595 (72)Name of Inventor: Filing Date :02/05/2012 1)SHINKAI Shogo (87) International Publication No :WO 2012/153693 2)EBISUI Akira (61) Patent of Addition to 3)SATO Harumi :NA **Application Number** 4)OKUYAMA Kentaro :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Provided are a lighting device capable of reducing double-image generation in a 3D display, and a display device provided with the same. Electric field control causes a scattering region for scattering light propagated inside a light-guide plate, and a transmission region for causing light propagated inside the light-guide plate to pass therethrough, to form inside a light modulation element adhered to the light-guide plate. The scattering region is configured in a manner such that scattering causes the generation of linear light. A reflective plate is provided directly under the light modulation element. The reflective plate reflects light scattered by the scattering region and emitted to the reflective-plate side, and is configured so as to generate reflected light that focuses directly under the scattering region.

No. of Pages: 166 No. of Claims: 18

(21) Application No.7851/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MEDICAL CONNECTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61M39/10 :61/793511	(71)Name of Applicant: 1)ICU MEDICAL INC.
(32) Priority Date	:15/03/2013	Address of Applicant :951 Calle Amanecer San Clemente CA
(33) Name of priority country	:U.S.A.	92673 U.S.A.
(86) International Application No	:PCT/US2014/019628	(72)Name of Inventor:
Filing Date	:28/02/2014	1)NELSON David
(87) International Publication No	:WO 2014/149566	2)PANGROW Thomas F.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A medical connector for use in a fluid pathway. A valve member with sealing rings helps preclude undesired accumulation of fluid within the connector. A branched connector includes a fluid diverter extending away from a port of the branched connector. The fluid diverter is configured to divert fluid flowing through the branched connector and into a medical connector attached thereto flushing a distal portion of the medical connector.

No. of Pages: 146 No. of Claims: 94

(22) Date of filing of Application :01/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : REMOVAL OF ELECTRONIC CHIPS AND OTHER COMPONENTS FROM PRINTED WIRE BOARDS USING LIQUID HEAT MEDIA

<ul><li>(51) International classification</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)GREENE LYON GROUP INC.  Address of Applicant: 18 South Hunt Road Unit 6 Amesbury MA 01913 U.S.A.  (72)Name of Inventor:
(86) International Application No Filing Date	:PC1/US2014/015321 :07/02/2014	(72)Name of Inventor: 1)BROSSEAU Andre
(87) International Publication No	:WO 2014/124272	2)GRIGORENKO Svitlana
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods for the removal of electronic chips and other components from PWBs using liquid heat media are generally described. The systems and methods described herein can be used to remove solder electronic chips (including those in which an integrated circuit is positioned on a piece of semiconductor material such as silicon) and/or other electronic components from PWBs. In some such embodiments the liquid heat medium may be at least partially separated from the solder and in some cases recycled back to a vessel in which the liquid heat medium is stored. The PWBs may be pre heated in some embodiments prior to being immersed in a liquid heat transfer medium in which the solder is removed. In certain embodiments an additional liquid heat medium may be used to remove underfill from PWBs. In certain embodiments the electronic components separated from the PWBs may be at least partially separated according to size density and/or optical characteristics.

No. of Pages: 51 No. of Claims: 42

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: APPARATUS AND METHOD FOR OPERATING A USER INTERFACE OF 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F3/0488 :13/786641 :06/03/2013 :U.S.A. :PCT/US2014/020370 :04/03/2014 :WO 2014/138096 :NA :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant:1 7 1 Konan Minato ku Tokyo 108 0075 Japan (72)Name of Inventor: 1)MURAKOSHI Sho 2)KONDO Kazumoto 3)SHINTANI Peter
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#### (57) Abstract:

Certain aspects of an apparatus and a method for operating a user interface of a device may comprise a plurality of sensors coupled to a surface. The plurality of sensors may detect a movement of an object within a pre defined distance from the surface. The one or more sensors may generate one or more signals in response to the detected movement. One or more processors that are communicatively coupled to the plurality of sensors may generate a control signal corresponding to the one or more generated signals to operate the user interface of the device.

No. of Pages: 38 No. of Claims: 21

(21) Application No.7855/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MINIATURIZED IMPLANTABLE ELECTROCHEMICAL SENSOR 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> <li>Number Filing Date</li> </ul>	:A61B5/1473 :61/761504 :06/02/2013 :U.S.A. :PCT/US2014/015177 :06/02/2014 :WO 2014/124184 :NA :NA	(71)Name of Applicant:  1)CALIFORNIA INSTITUTE OF TECHNOLOGY Address of Applicant: 1200 E. California Blvd. M/C 210 85 Pasadena California 91125 U.S.A. (72)Name of Inventor:  1)MUJEEB U RAHMAN Muhammad 2)SCHERER Axel
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An implantable device having a communication system a sensor and a monolithic substrate is described. The monolithic substrate has an integrated sensor circuit configured to process input from the sensor into a form conveyable by the communication system.

No. of Pages: 49 No. of Claims: 26

(22) Date of filing of Application :01/11/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: SOLUBLE PROTEINS FOR USE AS THERAPEUTICS

(51) International :C07K19/00,A61K38/17,C07K16/24 classification (31) Priority Document No :61/497668 (32) Priority Date :16/06/2011 (33) Name of priority :U.S.A. country (86) International :PCT/IB2012/053040 Application No

:15/06/2012 Filing Date

(87) International Publication: WO 2012/172521

(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)NOVARTIS AG

Address of Applicant: Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor: 1)HUBER Thomas 2)KOLBINGER Frank 3)WELZENBACH Karl

#### (57) Abstract:

The present invention relates to improved binding proteins for use as a medicament in particular for the prevention or treatment of autoimmune and inflammatory disorders for example allergic asthma and inflammatory bowel diseases. The invention more specifically relates to a soluble protein comprising a complex of two heterodimers wherein each heterodimer essentially consists of: (i) a first single chain polypeptide comprising: (a) an antibody heavy chain sequence having VH CH1 CH2 and CH3 regions; and (b) a monovalent region of a mammalian binding molecule fused to the VH region; and (ii) a second single chain polypeptide comprising; (c) an antibody light chain sequence having a VL and CL region; and (d) a monovalent region of a mammalian binding molecule fused to the VL region; characterised in that each pair of VH and VL CDR sequences has specificity for an antigen such that the total valency of said soluble protein is six. The invention further relates to soluble SIRPa binding antibody like proteins as shown in Figure 1.

No. of Pages: 114 No. of Claims: 49

(21) Application No.3663/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM & METHODS FOR REAL TIME DATA MANAGEMENT

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SOHAN LAL COMMODITY MANAGEMENT PVT.
(32) Priority Date	:NA	LTD.
(33) Name of priority country	:NA	Address of Applicant :4067, 1st Floor, Naya Bazar, Delhi-
(86) International Application No	:NA	110006 Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sandeep Sabharwal
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present invention relates to system and method for warehouse data management. The system may be configured to include a handheld device, wherein the handheld device may comprise input and output interface to enter data. The system may further comprise a MIS database present at the central position from the handheld device and a SAP database. The MIS database may configured to be in communication with the handheld device to receive the data entered in the handheld device. Further the SAP database may be connected to the MIS database for the approval of the said data. Once the SAP database may update the MIS database with approval it may be sent to the handheld device for processing the printout of the same, and simultaneously allowing the MIS database to fire an information alert for the same to the client. Fig - 1

No. of Pages: 19 No. of Claims: 6

(21) Application No.4479/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/05/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMBUSTION EXPERIMENTAL DEVICE

#### (57) Abstract:

A combustion experimental device for acquiring a position of flame formed in a tube is provided with temperature adjustment fluid supply means (2) flowing a temperature adjustment fluid along a test tube (1) thereby enabling adjustment of a temperature gradient in the longitudinal direction given to the tube.

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

(22) Date of filing of Application: 12/06/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR VERIFYING AND MANAGING DISTRIBUTION OF 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> <li>Filing Date</li> </ul>	:05/12/2012 :WO 2013/086017 :NA :NA :NA	(71)Name of Applicant:  1)PHARMASECURE INC.  Address of Applicant:16 Cavendish Court Lebanon NH 03766 U.S.A. (72)Name of Inventor:  1)SIGWORTH Nathan J.  2)THOMPSON N. Taylor
C	:NA :NA	

#### (57) Abstract:

A system and method for verifying validating and otherwise managing distribution of products and medicines reduces the instances of counterfeit medicines. A pharmaceutical company typically provides medicines/products to users either directly or through representatives for the pharmaceutical company. The products have associated identifying or authentication codes that are used to authenticate the validity of the medicine/product. The system encrypts and decrypts code data employing appropriate client and server based applications to securely manage and print the authenticating code data. A covert identification technique such as a special ink or material can provide an additional level of security in authenticating the medicine to ensure it is not counterfeit. The special ink or material can be tested locally by the user or sent to a remote location for testing to ensure accuracy of the medicine/product.

No. of Pages: 45 No. of Claims: 18

(21) Application No.5780/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : METHOD OF GENERATING INDUCED PLURIPOTENT STEM CELLS AND DIFFERENTIATED CELLS

(51) International classification	:C12N5/0789,C12N5/074	(71)Name of Applicant :
(31) Priority Document No	:PCT/CN2010/002226	1)UNIVERSIT,,T FR BODENKULTUR WIEN
(32) Priority Date	:31/12/2010	Address of Applicant :Gregor Mendel Str. 33 A 1180 Vienna
(33) Name of priority country	:China	Austria
(86) International Application No	:PCT/EP2011/073962	2)GUANGZHOU INSTITUTE OF BIOMEDICINE AND
Filing Date	:23/12/2011	HEALTH
(87) International Publication No	:WO 2012/089669	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)ESTEBAN Miguel
Number	:NA	2)GRILLARI Johannes
Filing Date	.NA	3)GRILLARI Regina
(62) Divisional to Application Number	:NA	4)PEI Duanqing
Filing Date	:NA	5)ZHOU Ting

# (57) Abstract:

Methods for generating iPSCsand differentiated cells of interest by reprogramming donor cells that have been obtained in a non invasive manner. In particular the donor cells are exfoliated epithelial urine cells. The differentiated cells can be obtained by differentiation of the reprogrammed iPSCsor by direct reprogramming the urine cells.

No. of Pages: 30 No. of Claims: 15

(21) Application No.9508/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/11/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : BIOABSORBABLE MEDICAL DEVICE OR MEDICAL DEVICE COMPONENT AND PREPARATION 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08G63/66 :201210106761.6 :12/04/2012 :China :PCT/CN2013/074065 :11/04/2013 :WO 2013/152728 :NA :NA :NA	(71)Name of Applicant:  1)LIFETECH SCIENTIFIC (SHENZHEN) CO. LTD.  Address of Applicant:Northern Gate, No.6 Langshan Second Road Nanshan, Shenzhen, Guangdong 518000 China (72)Name of Inventor:  1)ZHANG Deyuan 2)LIN Wenjiao 3)LIU Xiangdong 4)WANG Wenbin
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#### (57) Abstract:

A bioabsorbable medical device or a medical device component comprises an absorbable component prepared by subjecting a prefabricated component of an iron based raw material to ion nitriding. Substance composition inside the absorbable component changes with the depth from the surface. The absorbable component comprises at least a first part and a second part. The first part surrounds the second part. Hardness of the first part is higher than hardness of the second part. An interface exists between the first part and the second part. A crack generated in the first part is impeded by the interface when extending to the second part. On the premise of ensuring radial stand strength the bioabsorbable medical device or medical device component and a preparation method thereof reduce wall thickness of an iron based stand improve a stand corrosion rate and malleability and achieve broader adaptability.

No. of Pages: 39 No. of Claims: 30

(22) Date of filing of Application :03/02/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: VOLTAGE MEASUREMENT DEVICE WITH AN INSULATING BODY

(51) International :G01R15/04,G01R1/18,G01R15/14 classification

:NA

(31) Priority Document No :12005658.5 (32) Priority Date :03/08/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/002277

:31/07/2013 Filing Date

(87) International Publication :WO 2014/019692

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant: 1)ABB TECHNOLOGY AG

Address of Applicant: Affolternstrasse 44 CH 8050 Z¹/₄rich

Switzerland

(72) Name of Inventor: 1)JAVORA Radek 2)PODZEMNY Jaromir 3)RASCHKA David 4)PAVLAS Marek 5) VELESIK Petr

# (57) Abstract:

The invention relates to a voltage measurement device with an insulating body for the use in medium or high voltage equipment or switchgears with an impedance divider consisting of at least one high voltage impedance and at least one low voltage impedance in series and with shielding electrodes according to the preamble of claim1. In order to do optimized voltage measurement design for a given application preventing risk of malfunctionality in case the same device it is used in other application or at severe environmental or operating conditions at least one high voltage shielding electrode and/or at least one low voltage shielding electrode which dimensions are applied to the physical length of the impedances and that the shielding electrodes sourround the high and/or low voltage impedances providing required voltage division ratio and which are located either inside or outside of the insulating body in order to distribute the electric field in the best way to reduce electric field stress either inside or outside of the said device and that the output of the impedance divider is connected to a shielded cable which is also part of this device.

No. of Pages: 15 No. of Claims: 11

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM DEVICE AND METHOD OF TRAFFIC DETECTION

(51) International classification	:H04L12/14,H04M15/00	(71)Name of Applicant:
(31) Priority Document No	:61/680291	1)ALLOT COMMUNICATIONS LTD.
(32) Priority Date	:07/08/2012	Address of Applicant :22 Hanagar Street Industrial Zone B
(33) Name of priority country	:U.S.A.	45240 Hod Hasharon Israel
(86) International Application No	:PCT/IB2013/056394	(72)Name of Inventor:
Filing Date	:05/08/2013	1)GOLDNER Alla
(87) International Publication No	:WO 2014/024109	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A cellular traffic monitoring system includes: a Traffic Detection Function (TDF) module to monitor cellular traffic associated with a cellular subscriber device and to generate application detection output indicative of an application used by the cellular subscriber device; an application based charging module to generate based on the application detection output of said TDF module application based charging data related to said cellular subscriber device; a Policy Charging and Enforcement Function (PCEF) module to enforce one or more charging rules that are Service Data Flow (SDF) based and are related to said cellular subscriber device; an SDF based charging module to generate SDF based charging data related to said cellular subscriber device; and a charging correlator module to identify a potential over charging due to an overlap between the application based charging data and the SDF based charging data.

No. of Pages: 27 No. of Claims: 18

(22) Date of filing of Application :09/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: JAW CRUSHER WITH DOUBLE CRANK ROCKER MECHANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B02C1/02 :201110092010.9 :13/04/2011 :China :PCT/CN2012/073685 :09/04/2012 :WO 2012/139483 :NA :NA	(71)Name of Applicant:  1)YIWU BLACK AND WHITE MINING MACHINERY CO. LTD  Address of Applicant: No 36 Sitong West Rd. Shangxi town Yiwu Zhejiang 321082 China (72)Name of Inventor:  1)ZHU Xingliang
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is a jaw crusher with double crank rocker mechanisms which comprises a housing (1) a fixed jaw plate (6) a movable jaw plate (5) a crank rocker mechanism and a driving wheel. The crank rocker mechanism has a front crank rocker mechanism comprising an eccentric drive shaft in the form of crank a front movable jaw (4) in the form of link and a front toggle plate (7) in the form of rocker and a rear crank rocker mechanism comprising an eccentric drive shaft in the form of crank a rear movable jaw (8) in the form of link and a rear toggle plate (9) in the form of rocker. The front and the rear crank rocker mechanisms are either arranged on the same eccentric drive shaft (3) to form a jaw crusher with a single eccentric drive shaft or respectively connected to a front and a rear eccentric drive shafts (15, 14) which are driven synchronously by transmission gears to form a jaw crusher with double eccentric drive shafts. By the combination of the front and the rear crank rocker mechanisms the mechanical and structural properties of the lower portion of the movable jaw can be changed and the functionality of the jaw crusher can be improved greatly.

No. of Pages: 32 No. of Claims: 9

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: POSITIONING IN A CELLULAR COMMUNICATION 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W64/00 :NA :NA :NA :PCT/CN2011/000646 :13/04/2011 :WO 2012/139250 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)SHI Liang 2)HE Bin 3)LI Linjiang 4)LIN Zhongqiu 5)YU Aijun
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#### (57) Abstract:

A method for positioning in a communication network with a cellular coverage is disclosed, wherein comprising the following steps: receiving (S210; 510) location-dependent data concerning a mobile device (200); from a plurality of fingerprints, each of which corresponds to one of locations within the coverage, retrieving (S220; 520) one having the highest similarity to the location-dependent data; and determining (S230, S240; S530, S540) the location corresponding to the fingerprint with the highest similarity as the mobile devices location if the highest similarity exceeds a predetermined threshold.

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

(21) Application No.7867/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: GLAZING COMPRISING A TRANSPARENT SCREEN

(51) International classification :B32B17/10,B60J1/00,B60J1/18 (71)Name of Applicant :

(31) Priority Document No :1352313 (32) Priority Date :15/03/2013

(33) Name of priority country :France

(86) International Application No :PCT/FR2014/050599

Filing Date :14/03/2014 (87) International Publication No: WO 2014/140502

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France (72) Name of Inventor: 1)ODULINSKI Andrzei 2)DAUDIFFRET Stphane

#### (57) Abstract:

The invention relates to a glazing (1) in particular the side glazing of a transport means comprising a transparent display screen (2) located only in a portion of the glazing at least one light guide substrate (6) located further outside than said screen at least one light source (10) located at the periphery of said substrate (6) in particular facing an edge of said light guide substrate (6) and a means for extracting the radiation emitted by the light source said light source preferably being formed from a plurality of light emitting diodes.

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

(21) Application No.8013/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: BOWDEN CABLE

:F16C1/14,E05B79/20,F16C1/10 (71)Name of Applicant : (51) International classification

(31) Priority Document No :10 2013 203 166.1 (32) Priority Date :26/02/2013

(33) Name of priority country :Germany

(86) International Application :PCT/DE2014/000066

No :15/02/2014 Filing Date

(87) International Publication No: WO 2014/131389

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)KIEKERT AKTIENGESELLSCHAFT

Address of Applicant : Hseler Platz 2 42579 Heiligenhaus

Germany

(72) Name of Inventor:

1)FAITL Jan 2)RYBAR Pavel

# (57) Abstract:

The invention relates to a Bowden cable (1) particularly for a motor vehicle lock with a locking mechanism comprising a rotary latch and at least one pawl for locking said rotary latch in a main latching position and a pre latching position preferably with a closing aid for moving said rotary latch from the pre latching position into the main latching position. The Bowden cable (1) comprises a securing device (4) designed such that said Bowden cable (1) can be adjusted and fixed in place by means of a translational movement or that this adjustment can be fixed by deformation of at least one deformation tab (22). This allows said Bowden cable (1) to be mounted in a particularly simple manner.

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

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR TRAFFIC POLARIZATION DURING FAILURES

(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  NA	Number Filing Date (62) Divisional to Application Number	:04/09/2013 :WO 2014/133585 :NA :NA	(71)Name of Applicant:  1)DELL PRODUCTS L.P.  Address of Applicant: One Dell Way Round Rock Texas 78682 2244 U.S.A. (72)Name of Inventor:  1)MAHADEVAN Ramasubramani 2)JANARDHANAN Pathangi Narasimhan 3)NATARAJAN Avinash
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#### (57) Abstract:

A system and method for traffic polarization during failures includes a communication network cluster including a first network switching unit or switch configured to communicate with a first network node via a first network link and a second network node via a second network link a second switch configured to communicate with the first network node via a third network link and the second network node via a fourth network link and a first intra cluster link coupling the first switch to the second switch. The second switch is further configured to respond to a failure in the fourth network link by broadcasting a route withdrawal message to the first switch and the first network node. The first switch is configured to accept rerouted network traffic from the first network node via the first network link resulting from the route withdrawal message.

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

(21) Application No.9663/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/11/2013 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: KNOCKING SENSOR

(51) International classification :G01H17/00,G
(31) Priority Document No :2011108393
(32) Priority Date :13/05/2011
(33) Name of priority country :Japan

(86) International Application No
Filing Date

(87) International Publication No

:PCT/JP2012/000796
:07/02/2012
:WO 2012/157153

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date :NA

:G01H17/00,G01L23/22 (71)Name of Applicant :

1)NGK SPARK PLUG CO. LTD.

Address of Applicant :14 18Takatsuji cho Mizuho ku Nagoya

shi Aichi 4678525 Japan (72)Name of Inventor: 1)KUNO Hirovuki

2)AOI Katsuki

#### (57) Abstract:

Provided is a knocking sensor having good insulation characteristics even at an operating temperature of 150 °C or more and being excellent in knocking detection characteristics. The knocking sensor comprises a sensor main body (10) and a resin molded body (30). The sensor main body (10) has a main body metal fitting (11) including a cylindrical portion (11A) and a flange portion (11B) a piezoelectric element (14) a weight (17) disposed on the flange portion (11B) through the piezoelectric element (14) a flange portion side electrode plate (13) disposed between the piezoelectric element (14) and the flange portion side insulating plate (12) disposed between the flange portion (11B) and the flange portion side electrode plate (13) and a weight side insulating plate (16) disposed between the weight (17) and the weight side electrode plate (15). The resin molded body (30) is made of a resin and covers the sensor main body (10). The resin molded body (30) is made of PPS and the flange portion side insulating plate (12) and the weight side insulating plate (16) are made of a resin not including an ester bond thereby suppressing the change of sensor capacity by temperature and suppressing the reduction of knocking detection accuracy.

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

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ANTENNA DEVICE FOR PORTABLE TERMINAL PORTABLE TERMINAL AND CASE WITH ANTENNA DEVICE AND METHOD OF MANUFACTURE

(51) International classification :H04B1/38,H01Q7/00,H05K9/00 (71)Name of Applicant:

(31) Priority Document No :1020130019466 (32) Priority Date :22/02/2013 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2014/001272

:17/02/2014 Filing Date

(87) International Publication No:WO 2014/129775

(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: 129 Samsung ro Yeongtong gu Suwon

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(72)Name of Inventor: 1)KIM Jin Man

2)KIM Hong Ki 3)KIM Byung Kyu 4)LEE Sang Tae 5) CHOI Jung Sik

### (57) Abstract:

A portable terminal employing a near field communication antenna with a heat radiation function is provided. The portable terminal includes a cover provided for the portable terminal and an antenna device mounted on an inner surface of the cover. The antenna device includes a near field communication antenna coupled to a location on the inner surface of the cover a shield sheet coupled to an upper surface of the antenna a heat radiation sheet coupled to an upper surface of the shield sheet so as to discharge heat transmitted from the portable terminal and a protection cover coupled to an upper surface of the heat radiation sheet.

No. of Pages: 23 No. of Claims: 18

(21) Application No.7914/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CROSSLINKED POLYMER ELECTROLYTE

(51) International :H01M6/18,H01M10/0562,C08G65/48

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority
country :NA

(86) International :PCT/US2013/026158

Application No
Filing Date

114/02/2013

(87) International Publication No :WO 2014/126570

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)CONTOUR ENERGY SYSTEMS INC

Address of Applicant: 1300 W Optical Drive #300, Azusa,

California 91702 (US). U.S.A.

(72)Name of Inventor:

1)DAROLLES Isabelle

2)JONES Simon

3)NAIR Nanditha

# (57) Abstract:

A composite electrolyte can include a crosslinked polymer formed from telechelic precursor polymers having at least two photoactivatable end functional groups and a molecular weight before crosslinking of between about 1 000 and 1 000 000 Daltons (Da); and a lithium (Li) salt. Electrochemical cells and batteries including such electrolytes are also disclosed along with various methods of manufacture.

No. of Pages: 14 No. of Claims: 20

(22) Date of filing of Application :02/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR REDUCING ENERGY CONSUMPTION IN THE PRODUCTION OF STYRENE MONOMER UTILIZING AZEOTROPIC WATER/ETHYLBENZENE FEED VAPORIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C5/32 :PCT/US2013/032244 :15/03/2013 : :PCT/US2013/032244 :15/03/2013 :WO 2014/142994 :NA :NA :NA	(71)Name of Applicant:  1)TECHNIP PROCESS TECHNOLOGY INC.  Address of Applicant:11740 Katy Freeway Houston Texas 77079 U.S.A. (72)Name of Inventor:  1)WELCH Vincent A. 2)OLEKSY Slawomir A.
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#### (57) Abstract:

The present invention is directed to reduced energy improvements in methods and systems to produce styrene monomer via ethylbenzene dehydrogenation. The methods and systems reduce utility cost and provide savings in comparison with the current technology practiced in the industry. The method comprises: i) heating a feed stream comprising ethylbenzene and water as an azeotrope to provide a vaporized ethylbenzene/feed steam stream; and ii) dehydrogenating the ethylbenzene in the dehydrogenation section comprising at least a first second and a third reactor at least two reheat exchangers and a mixing apparatus upstream of the first reactor. The reheat exchangers utilizing superheated heating steam as a heating medium.

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

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FLEXIBLE DISPLAY APPARATUS AND OPERATING 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:08/07/2013 :WO 2014/010898 :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)SEO Joon kyu  2)KIM Hyun jin  3)KUMAR Nipun  4)LEE Yong yeon  5)LEE Chang soo
- 14	:NA :NA :NA	,

### (57) Abstract:

A flexible display apparatus is provided. The flexible display apparatus includes a display a sensor which senses shape deformation of the display a storage which if a shape deformation is sensed stores operation state information of a first operation state of the flexible display apparatus prior to the first shape deformation being performed and a controller which performs a function corresponding to the first shape deformation if a second shape deformation different from the first shape deformation is sensed returns to the first operation state according to the operation state information stored in the storage.

No. of Pages: 84 No. of Claims: 15

(21) Application No.9789/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/11/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: PARTS LIFE MANAGEMENT SYSTEM

(51) International classification :G07D9/00,G06Q20/18,G06Q50/10

:NA

(31) Priority Document No :2011110322 (32) Priority Date :17/05/2011 (33) Name of priority country :Japan

(86) International Application :PCT/JP2012/003131

Filing Date :14/05/2012

(87) International Publication

:WO 2012/157244

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application
Number

:NA

Filing Date

(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)INUI Hideyuki

#### (57) Abstract:

A parts life management system (1) comprises automatic transaction devices (20) and a management device (10) that manages the service life of parts with which these automatic transaction devices (20) are equipped. The automatic transaction devices (20) are equipped with an environment information acquisition means (202) that acquires environment information pertaining to the installation environment for the relevant device, and a replacement information input means (207) for inputting replacement information pertaining to parts that have been replaced. When a part is replaced, the environment information and the replacement information are transmitted to the management device (10) together with operating information for the replaced part. Furthermore, the management device (10) is equipped with a storage means (103) in which replacement standard values, which are used as a criterion for determining whether it is necessary to replace a part, are set for each part of the automatic transaction device, and a standard value changing means (101), which changes the replacement standard values on the basis of the environment information, replacement information, and operating information acquired from the automatic transaction devices (20).

No. of Pages: 40 No. of Claims: 5

(21) Application No.67/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :09/01/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FORMULATIONS FOR PARENTERAL USE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)CAMUS PHARMA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :CAMUS HOUSE, 29-B, SURAJ
(33) Name of priority country	:NA	NAGAR (EAST), CIVIL LINES, JAIPUR-302006 RAJASTHAN
(86) International Application No	:NA	(INDIA). Rajasthan India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAJESH KUMAR MISHRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Lyophilized formulations comprising at least a derivative of rifamycin such as Rifabutin for parenteral use, and methods of preparation and administration thereof.

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

(21) Application No.7000/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : LIQUID COMPOSITIONS FOR MARKING LIQUID HYDROCARBON BASED FUELS AND COMBUSTIBLES FUELS AND COMBUSTIBLES CONTAINING THE SAME AND PROCESS FOR DETECTING THE MARKERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:1151007 :08/02/2011 :France	(71)Name of Applicant:  1)TOTAL MARKETING SERVICES Address of Applicant:24 Cours Michelet F 92800 Puteaux France (72)Name of Inventor: 1)AMBLARD Bndicte 2)FADEL Denis 3)MERCIER Jean Paul 4)TORT Frdric 5)TREMOLIERE Christian
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# (57) Abstract:

The present invention relates to liquid compositions that can be used for marking liquid hydrocarbon based fuels and combustibles; these compositions comprising at least one marker a) one or more solvents and optionally one or more functional additives other than the markers a). The invention also relates to a process for qualitative and quantitative detection of these markers a) present in a liquid hydrocarbon based composition.

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

(21) Application No.7144/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR PILOTING A FLYING CRAFT WITH REAR PROPULSION UNIT

(51) International classification
(31) Priority Document No
(32) Priority Date
(34) B64G1/26,B64G1
(35) E1100230
(36) E1100230
(37) E1100230
(38) E1100230
(39) E1100230
(30) E1100230
(31) E1100230
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(37) E1100230
(38) E1100230
(38) E1100230
(39) E1100230
(30) E1100230</l

(33) Name of priority country :France

(86) International Application :PCT/FR2012/050125

No :101/1R201 Filing Date :20/01/2012

(87) International Publication No: WO 2012/101363

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA :NA

Filing Date

# :B64G1/26,B64G1/38,G05D1/08 (71)Name of Applicant :

1)ASTRIUM SAS

Address of Applicant :12 rue Pasteur 92150 Suresne France

(72)Name of Inventor:

1)CAYE Paul

2)CAILLAUD James 3)LAPORTE Guillaume

# (57) Abstract:

Method and System for piloting a rear-propulsion unit craft - According to the invention, in accordance with a slaving loop, the attitude  $(\Theta M)$  of the craft (1) is measured in the vicinity of the rear end (1R) of said craft, then, the orientation (1R) of propulsion means (1R) orientable with respect to said rear end (1R), is adjusted as a function of said measurement of attitude (1R) in such a way that said craft (1R) is stabilized on its flight trajectory.

No. of Pages: 18 No. of Claims: 5

(21) Application No.7931/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MIST NETWORKS

(51) International classification	:H04L29/08,G06F9/48	(71)Name of Applicant:
(31) Priority Document No	:61/775054	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:08/03/2013	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/IB2014/059056	1)HADDAD Wassim
Filing Date	:18/02/2014	2)HALPERN Joel
(87) International Publication No	:WO 2014/136006	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method is implemented by a nano box for providing processing resources to support application execution to a set of devices connected to a network of the nano box. The method includes receiving application data for an application for a mobile or fixed device. The application is executed using the application data of the mobile or fixed device to generate an output. A handoff notification is received indicating that the root controller has reassigned the application to another nano box in the set of nano boxes based on best resource availability and minimum latency. In response the nano box updates the application data with a current state of the application and transmits the updated application data over the network to be provided to the other nano box.

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

(21) Application No.9637/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/11/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DIMENSIONALLY STABLE GEOPOLYMER COMPOSITION AND METHOD

(51) International classification	:C04B7/32	(71)Name of Applicant:
(31) Priority Document No	:61/639803	1)UNITED STATES GYPSUM COMPANY
(32) Priority Date	:27/04/2012	Address of Applicant :550 West Adams Street, Chicago,
(33) Name of priority country	:U.S.A.	Illinois 60661 3676 U.S.A.
(86) International Application No	:PCT/US2013/037269	(72)Name of Inventor:
Filing Date	:19/04/2013	1)DUBEY Ashish
(87) International Publication No	:WO 2013/163009	
(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 making geopolymer cementitious binder compositions for cementitious products such as concrete precast construction elements and panels mortar patching materials for road repairs and other repair materials and the like is disclosed. The geopolymer cementitious compositions of some embodiments are made by mixing a synergistic mixture of thermally activated aluminosilicate mineral calcium sulfoaluminate cement a calcium sulfate and a chemical activator with water.

No. of Pages: 304 No. of Claims: 55

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CARBOXY FUNCTIONALIZED ALTERNAN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:23/08/2013 :WO 2014/029875 :NA	(71)Name of Applicant:  1)CRODA INTERNATIONAL PLC Address of Applicant: Cowick Hall Snaith Goole Yorkshire DN14 9AA U.K. (72)Name of Inventor: 1)LANDSCHTZE Volker 2)RADOSTA Sylvia 3)VORWERG Waltraud
11	:NA :NA	3)VORWERG Waltraud
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Functionalized alternan comprising carboxy groups as functional groups wherein the alternan can be described by the following formula (I) Alternan (I) wherein Ri is a hydrocarbon group with 1 to about 100 carbon atoms optionally featuring one or more heteroatoms wherein the oxygen between Alternan and R in Formula (I) is an oxygen of an ether group as well as the procedures for producing such a functionalized alternan in a aqueous medium or using an alcohol or an alcohol water mixture as a reaction medium and the use of this functionalized alternan.

No. of Pages: 36 No. of Claims: 15

(21) Application No.7774/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/09/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DRIVE UNIT WITH OIL EXCHANGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:05/03/2013 :WO 2013/143809 :NA :NA :NA	(71)Name of Applicant:  1)BOMBARDIER TRANSPORTATION GMBH Address of Applicant: Schneberger Ufer 1 10785 Berlin Germany (72)Name of Inventor: 1)GUMPOLDSBERGER Thomas 2)SIEGEL Hannes
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a drive unit with oil exchange for vehicles, which drive unit has a gearbox (3), a brake (4) and an electric machine (2), arranged between the latter, in an at least two-part housing (5, 6, 7), wherein the electric machine (2) has a cooling jacket (10), and the further components (3, 4) are lubricated via a separate lubricant circuit. According to the invention there is Provision that the separate lubricant circuit in the at least two-part housing (5, 6, 7) for the gearbox (3) and brake (4) is maintained by using existing components (23, 22, 11).

No. of Pages: 13 No. of Claims: 11

(21) Application No.7941/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:03/09/2015

:15/03/2013

:14/03/2014

:U.S.A.

:NA

:NA

(43) Publication Date: 29/04/2016

# (54) Title of the invention: HISTONE DEACETYLASE INHIBITORS

:PCT/US2014/027347

:WO 2014/152444

(51) International

:A61K31/337,A61K31/397,A61K31/439

classification

(31) Priority Document :13/843261

(32) Priority Date

(33) Name of priority country

(86) International

Application No

Filing Date (87) International

Publication No

(61) Patent of Addition :NA to Application Number :NA Filing Date

No. of Pages: 121 No. of Claims: 41

(62) Divisional to **Application Number** Filing Date

(57) Abstract:

(71)Name of Applicant:

1)BIOMARIN PHARMACEUTICAL INC.

Address of Applicant :105 Digital Drive Novato CA 94949

U.S.A.

(72)Name of Inventor:

1)JACQUES Vincent 2) RUSCHE James R. 3)PEET Norton P.

4)SINGH Jasbir

Proivded herein are compounds and methods for inhibiting histone deacetylase (HDAC) enzymes (e.g. HDACl HDAC2 and HDAC3).

(21) Application No.7942/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DRUG DELIVERY DEVICES WITH DRUG PERMEABLE COMPONENT AND METHODS

(51) International classification :A61M31/00,A61L27/00,A61K9/00

(31) Priority Document No :61/799733

(32) Priority Date :15/03/2013
(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/030437

Filing Date :17/03/2014

(87) International Publication :WO 2014/145638

No :WO 2014

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant:

1)TARIS BIOMEDICAL LLC

Address of Applicant :99 Hayden Avenue Suite 100 Lexington

Massachusetts 02421 U.S.A. (72)Name of Inventor:

1)LEE Heejin 2)DANIEL Karen 3)SANSONE Matthew

(57) Abstract:

Implantable drug delivery devices include a housing having a closed drug reservoir lumen bounded by a first wall structure and a hydrophilic second wall structure and a drug contained in the drug reservoir lumen wherein the first wall structure is impermeable to the drug and the second wall structure is permeable to the drug. Methods of providing controlled release of drug to a patient include deploying a drug delivery device in the patient releasing a drug from the drug reservoir lumen via diffusion through the second wall structure.

No. of Pages: 73 No. of Claims: 21

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention: JEWELRY ITEM METHOD OF MANUFACTURING A CLOSURE FOR JEWELRY ITEM FINDING FOR AN EARRING KIT OF RTS FORMING THE FINDING AND EARRING CONSTRUCTED FROM THE KIT

(51) International classification :A44C7/00,A44C9/00,A44C5/00 (71) Name of Applicant:

:NA

(31) Priority Document No :13/454231 (32) Priority Date :24/04/2012

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/IB2013/053232

Filing Date :24/04/2013

(87) International Publication No: WO 2013/160842

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number

Filing Date

1)GRAND RAINBOW INTERNATIONAL LIMITED

Address of Applicant :36/F. Tower Two Times Square 1

Matheson Street Causeway Bay China

(72) Name of Inventor: 1)HUYNH Khanh Tan

# (57) Abstract:

A jewelry item has a ring part (52) pivotally attached to a closure (56) at one end. The closure (56) spans the continuity of the ring from an end of the ring part (52) and comprises a ring continuation arm (58) extending in continuity of the ring and pivotally attached to an end of the ring part (52) at a pivoted connection (60). The closure (56) further comprises a bias arm (63) extending along with the ring continuation arm (58) along said ring continuity. The bias arm (63) comprises a spring part and a lever part (66) pivotally attached to each other. A connection (68) between said lever part (66) and the ring part (52) is rigid so that as the ring part (52) is opened said lever part (66) is configured to rotate inwardly towards an interior of said item. The spring part has a natural shape of smaller circumference than the ring part (52)so that once a certain extent is reached the spring part pulls the lever part (66) towards the spring part in order to allow the spring part to attain its smaller diameter and thus establish a stable open position. The lever part (66) further on closure of the ring part (52) is configured to push the spring part outwardly towards the ring continuation arm to establish a second stable position to close the closure. Another jewelry item (70) comprising a spring arm (80) pivoted to said continuation at a first location (86) thereon and further pivoted to its ring part (72) at a second location (86) is disclosed. A method of manufacturing a closure for a jewelry item (72) a finding (214) for an earring a kit of parts (270,272) constructed to form the finding (214) and an earring constructed from the kit of parts and a mounting are also disclosed.

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

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

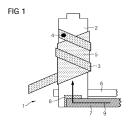
(43) Publication Date: 29/04/2016

# (54) Title of the invention: OVERLOAD RELEASE IN PARTICULAR FOR A 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01H71/16 :10 2011 078 636.8 :05/07/2011 :Germany :PCT/EP2012/061867 :20/06/2012 :WO 2013/004503 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)DRR Andreas 2)LAUMER Xaver 3)R–SCH Bernhard
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#### (57) Abstract:

The invention relates to an overload release (1) in particular for a circuit breaker comprising a metal strip (2) which is made of at least two different types of metal and around which a heat conductor (3) is wound. The invention is characterized in that the mechanical and electrical connection of the metal strip (2) can be completely or partly disconnected such that no current flows over the mechanical connection of the metal strip (2) in the completely disconnected case and a portion of the current flows over the mechanical connection in the partly disconnected case.



No. of Pages: 20 No. of Claims: 9

(22) Date of filing of Application :20/11/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : CIRCULARLY POLARIZED PATCH ANTENNAS ANTENNA ARRAYS AND DEVICES INCLUDING SUCH ANTENNAS AND ARRAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01Q9/04 :61/652759 :29/05/2012 :U.S.A. :PCT/KR2013/004656 :28/05/2013 :WO 2013/180436 :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO., LTD.  Address of Applicant: 129, Samsung- ro, Yeongtong- gu, Suwon -si, Gyeonggi- do 443- 742 Republic of Korea (72)Name of Inventor:  1)ZHOU, Hongyu 2)ARYANFAR, Farshid
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

For use in a wireless network, an apparatus for use in a wireless network includes an antenna having a first patch element with two opposite corners truncated and a first microstrip line connected to a first side of the first patch element and configured to feed the first patch element. The first microstrip line forms an angle of substantially 45° with the first side of the first patch element. The antenna could also include a second patch element with two opposite corners truncated and a second microstrip line connected to a side of the second patch element. The second microstrip line could form an angle of substantially 45° with the side of the second patch element. The patch elements could be series- coupled and form an antenna array. One patch element could represent a host patch element , and another patch element could represent a parasitic patch element.

No. of Pages: 93 No. of Claims: 15

(21) Application No.9714/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :18/11/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: OLIGONUCLEOTIDE CHELATE COMPLEX POLYPEPTIDE COMPOSITIONS 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K38/22 :61/648711 :18/05/2012 :U.S.A. :PCT/CA2013/050379 :17/05/2013 :WO 2013/170386 :NA :NA :NA	(71)Name of Applicant:  1)REPLICOR INC.  Address of Applicant: Suite D 101,, 6100 Royalmount Avenue, Montral Qubec H4P 2R2 Canada (72)Name of Inventor:  1)BAZINET Michel  2)VAILLANT Andrew
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#### (57) Abstract:

It is disclosed a pharmaceutical composition containing an oligonuclelotide chelate complex and at least one polypeptide or pegylated polypeptide. The present disclosure also describes additional pharmaceutical compositions and methods for the treatment of diseases including viral infections.

No. of Pages: 115 No. of Claims: 64

(22) Date of filing of Application :05/09/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : NOVEL FORMULA OF IRON BASED NANOCOMPOSITES FOR RAPID AND EFFICIENT TREATMENT OF IRON DEFICIENCY ANEMIA

(51) International classification :A61K9/51,A61K33/26,A61K31/375

(31) Priority Document No :2013030371

(32) Priority Date :06/03/2013 (33) Name of priority

country :Egypt

(86) International PCT/EG2013/000027
Application No

Filing Date :29/10/2013

(87) International Publication No :WO 2014/135170

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)NANOTECH FOR PHOTOELECTRONICS RESEARCH

Address of Applicant : Wahaat Road Dreamland October City

Giza Egypt

2)EUROPEAN EGYPTIAN PHARMACEUTICAL

INDUSTRIES (EEPI) (72)Name of Inventor:

1)MAHMOUD Mona Bakr Mohamed 2)HELMY Sherine Hassan Abbas

# (57) Abstract:

New formulas of Iron oxides nanoparticles capped with a mixture of multivitamins such as folic acid Nicotinic acid (vitamin B9) and Ascorbic acid (vitamin C) has been developed for the rapid and efficient treatment of life threatening iron deficiency anemia. Small single dose of iron oxides multivitamin nano composite as low as 25 mg elemental iron per does is sufficient to increase the hemoglobin level from 4.4 g/dl up to 14.6 g/dl within only four days after administration. The multivitamin which used in this nano composite enhances iron absorption significantly and elevated the concentration of hemoglobin. Two dosage forms of Iron nano composites have been developed gel capsules and aqueous solution for oral administration. Animal trials studies reveal that introducing single dose of Iron Oxide vitamin nano composites containing 2.57 mg elemental iron per kg rat body weight (equal to 25 mg in human) is sufficient to correct the hemoglobin level and cure Anemia via oral administration. The toxicity study reveals that the LD50 of our new iron nano composite is 1425.3 mg/kg rat body weight means that the LD50 of nano sized iron nano composites in standard human (60 kg weight) is 13 854 mg. Thus the single dose required for rapid treatment of iron deficiency anemia is 554 times less than the LD50 in human. No apparent of any sight of toxicity on hematological biochemistry or histopathology studies. Moreover the histopathology study of the bone marrow suggests that the used iron oxides vitamin nano composites increase the number of the RBCs precursors which stimulate the bone marrow to produce more RBCS.

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

(21) Application No.9709/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ENZYMATIC SYNTHESIS OF L NUCLEIC 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>	:12 003 887.2 :16/05/2012 :EPO	(71)Name of Applicant:  1)NOXXON PHARMA AG  Address of Applicant: Max Dohm Strasse 8 10 10589 Berlin Germany (72)Name of Inventor:  1)PECH Andreas  2)DAVID Ralf  3)JAROSCH Florian  4)JAHNZ Michael  5)KLUSSMANN Sven
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention is related to a method for adding one or more L nucleotides to the 3 end of a first L nucleic acid wherein the method comprises the step of reacting the one or more L nucleotides with the first L nucleic acid in the presence of a protein comprising an enzymatic activity exhibiting moiety wherein the enzymatic activity is capable of adding one or more L nucleotides to the 3 end of the first L nucleic acid.

No. of Pages: 183 No. of Claims: 83

(22) Date of filing of Application :09/11/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INK WIPING SYSTEM FOR AN INTAGLIO PRINTING PRESS

:NA

(51) International classification: B41F31/20,F16C13/00,B41F9/08 (71) Name of Applicant: 1)KBA NOTASYS SA (31) Priority Document No :11166852.1 (32) Priority Date :20/05/2011 Address of Applicant :PO Box 347 55 Avenue du Grey 1000 Lausanne 22 Switzerland (33) Name of priority country :EPO (72) Name of Inventor: (86) International Application :PCT/IB2012/052414 1)CLAUDE Laurent :15/05/2012 Filing Date 2)MERMINOD Antoine (87) International Publication :WO 2012/160476 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

There is described an ink wiping system (100) for an intaglio printing press comprising a rotatable wiping roller assembly (102) designed to wipe excess ink from the surface of a rotatable intaglio printing cylinder (80). The rotatable wiping roller assembly (102) comprises a rotatable hollow cylindrical body (110) having an outer surface (110a) positioned to wipe the surface of the printing cylinder (80) and a pressing device (130) disposed inside the cylindrical body (110) and designed to exert pressure on an inner surface (110b) of the cylindrical body (110) and to allow adjustment of a wiping pressure between the cylindrical body and the intaglio printing cylinder (80). The pressing device (130) preferably comprises a plurality of pressing units (132) that are distributed axially along the inside of the hollow cylindrical body (110) to allow adjustment of the wiping pressure between the cylindrical body (110) and the intaglio printing cylinder at a plurality of axial positions along the length of the hollow cylindrical body (110).

No. of Pages: 45 No. of Claims: 25

(21) Application No.9664/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 29/04/2016

# (54) Title of the invention: DRUG FOR PREVENTING AND/OR TREATING POLYCYSTIC KIDNEY 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/00 :61/653524 :31/05/2012 :U.S.A. :PCT/JP2013/065637 :30/05/2013 :WO 2013/180310 :NA :NA	(71)Name of Applicant:  1)OTSUKA PHARMACEUTICAL CO., LTD., Address of Applicant:9, Kanda -Tsukasamachi 2- chome, Chiyoda- ku, Tokyo, 1018535 Japan (72)Name of Inventor: 1)FUJIKI, Hiroyuki 2)AIHARA, Mild 3)KINOSHITA, Shizuo
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#### (57) Abstract:

An object of the present invention is to provide a combination drug that has remarkably excellent preventive and/or therapeutic effects on polycystic kidney disease. The present invention provides a drug for preventing and/or treating polycystic kidney disease comprising a combination of tolvaptan or a prodrug thereof with a somatostatin derivative, and a method for treating polycystic kidney disease using this drug.

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

(21) Application No.9850/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:16/11/2013 (43) Publication Date: 29/04/2016

# (54) Title of the invention: PRESSURE REDUCER REGULATOR FOR FEEDING INTERNAL COMBUSTION ENGINES WITH METHANE OR OTHER SIMILAR FUELS

(51) International :G05D16/06,F02M7/08,F02M69/00

classification

:RM2011A000203

(32) Priority Date

:21/04/2011

(33) Name of priority country: Italy

(31) Priority Document No

No

(86) International Application :PCT/IT2012/000112

Filing Date

:18/04/2012

(87) International Publication :WO 2012/143962

:NA

:NA

(61) Patent of Addition to :NA **Application Number** 

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71) Name of Applicant: 1)ICOMET S.P.A.

Address of Applicant: Via dello Statuto 35 I 04100 Latina

(72) Name of Inventor:

1) CIPPITANI Luciano

# (57) Abstract:

The object of the present invention is a methane pressure reducer/regulator for feeding internal combustion engines which comprises a body divided into three chambers communicating with each other by means of high resistance conduits and by means of an opening/closing element which is integral with an elastic diaphragm whose surface is proportionally larger than the opening/closing element so that a modest pressure in the chamber upstream from the elastic diaphragm is sufficient to bend it overcoming both the methane pressure resistance in the adjacent chamber and the methane pressure resistance in the chamber directly connected to the tank(s) as well as the counter spring resistance. When the elastic diaphragm bends it pushes a stem whose end is integral with the opening/closing element that allows or prevents the methane passage through a hole connecting the chamber from which methane is sent to the engine to the chamber wherein methane comes directly from the tank(s). Further a conduit connects the chamber where a sufficient pressure is reached to bend the diaphragm to the chamber from which low pressure methane is sent to the feeding system of the engine; according to a configuration said conduit is provided with an on off valve and a throat or alternatively only with the on off valve. The pressure regulator/reducer is completed by a pressure sensor a pressure control valve valves and connections to electronics which controls the engine feeding operation.

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

(21) Application No.797/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COOLING STRUCTURE OF FORCED AIR-COOLED TYPE ENGINE

(51) International classification	:F01P	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)HONDA MOTOR CO.,LTD.
(31) I Hority Document No	141346	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:22/06/2012	MINATO-KU, TOKYO, 107-8556, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NOBUTAKA HORII
Filing Date	:NA	2)JUNPEI KATSUTA
(87) International Publication No	: NA	3)KOICHIRO MATSUSHITA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The shroud 95 is formed with a scroll wall 122 opposite to the cooling fan 59 from the side direction such that a clearance between the cooling fan 59 and the scroll wall become gradually larger as it approaches to the front direction along a rotation direction 121 of a cooling fan 59, a guide wall 123 linearly extending from the position in the vicinity of the end portion of the scroll wall 122 in the rear direction side along the rotation direction 121 to the air jacket 39 side.

No. of Pages: 49 No. of Claims: 11

(22) Date of filing of Application :27/09/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention : APTAMER COATED MEASUREMENT AND REFERENCE ELECTRODES AND METHODS USING SAME FOR BIOMARKER DETECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:1105481.4 :31/03/2011 :U.K. :PCT/GB2012/050745 :02/04/2012 :WO 2012/131403 :NA :NA	(71)Name of Applicant:  1)SAPIENT SENSORS LIMITED  Address of Applicant: 7 Copeland Court Nevilles Cross  County Durham Durham DH1 4LF U.K.  (72)Name of Inventor:  1)CASH Stephen Lee  2)ROBSON Keith  3)KINLOCH Ian Anthony  4)STOCKLEY Peter George
Filing Date	:NA	

#### (57) Abstract:

A device for identifying the presence of a specific target molecule or biomarker by the detection of a change in an electrical property includes a measurement sensor 8 comprising a semiconducting sensor structure 12 capable of conjugating with the biomarker thus giving rise to the said change in electrical property and an electrode system 3, 4 for conducting a signal from the device. According to the invention there is a further such sensor 9 of substantially identical form but having its sensor structure 14 already conjugated with the biomarker or otherwise capped e.g. using a further oligonucleotide strand so as to act as an internal reference. When a biological sample e.g. saliva is applied to the electrodes the reference enables the discounting of all environmental effects other than the biomarker. The invention provides a simple cheap and accurate text for one or more biomarkers that can be used in the field without complex equipment.

No. of Pages: 57 No. of Claims: 30

(22) Date of filing of Application :27/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SPINNING UNIT OF AN AIR JET SPINNING MACHINE AND A METHOD FOR OPERATING AN AIR JET SPINNING MACHINE

(51) International classification	:D01H4/50	(71)Name of Applicant :
(31) Priority Document No	:00522/14	1)Maschinenfabrik Rieter AG
(32) Priority Date	:03/04/2014	Address of Applicant :Klosterstrasse 20, 8406 Winterthur,
(33) Name of priority country	:Switzerland	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ronald Hofmann
(87) International Publication No	: NA	2)Andreas Fischer
(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 spinning unit of an air jet spinning machine with a spinning nozzle (1), which serves the purpose of producing a yarn (2) from a fiber composite (3) fed to the spinning nozzle (1), whereas the spinning nozzle (1) features an inlet (4) for the fiber composite (3), an internal vortex chamber (5), a yarn formation element (6) protruding into the vortex chamber (5) along with an outlet (7) for the yarn (2) produced inside the vortex chamber (5). In accordance with the invention, it is proposed that the spinning unit is allocated with an additive supply (8), which is designed to supply the spinning unit with an additive (9), whereas the additive supply (8) includes at least one valve (10), with the assistance of which the volume flow and/or mass flow of the additive (9) is adjustable, and whereas the valve (10), during the operation of the same, opens and closes at least once per second, such that the additive (9) fed to the valve (10) leaves the valve (10) in a pulse-like manner. In addition, a method for operating an air jet spinning machine is proposed.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND DEVICE FOR DETERMINING WLAN CHANNEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W74/00,H04W72/04 :NA :NA :NA :PCT/CN2013/075391 :09/05/2013 :WO 2014/179961 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)WU Yi
Filing Date (62) Divisional to Application Number Filing Date		

### (57) Abstract:

This disclosure provides a method and for determining WLAN channel in a base station which supports both WLAN access and cellular network access, and a first WLAN channel is allocated for its WLAN access. According to this disclosure, if frequency space between the first WLAN channel and frequency range occupied by the cellular network access is not larger than a threshold, the base station detects available WLAN channels which are not occupied by surrounding WLANs. If the frequency space between the available WLAN channels and the frequency range occupied by the cellular network is not larger than the threshold, the base station changes its WLAN channel from the first WLAN channel to a second WLAN channel occupied by one of the surrounding WLANs. The frequency space between the second WLAN channel and the frequency range occupied by the cellular network access is larger than the threshold, thus interference between the cellular network and the WLAN is reduced or eliminated. This disclosure also provides a base station.

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

(21) Application No.9148/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: HIGH VOLTAGE BUSHING FOR CRYOGENICS APPLICATIONS

(51) International classification :H01B17/56,H01B12/00 (71)Name of Applicant : (31) Priority Document No 1) VARIAN SEMICONDUCTOR EQUIPMENT :13/799070 (32) Priority Date :13/03/2013 ASSOCIATES INC. (33) Name of priority country :U.S.A. Address of Applicant :35 Dory Road Gloucester (86) International Application No :PCT/US2014/023979 Massachusetts 01930 U.S.A. (72) Name of Inventor: Filing Date :12/03/2014 (87) International Publication No 1)TEKLETSADIK Kasegn D. :WO 2014/159514 (61) Patent of Addition to Application 2)STANLEY Charles L. :NA Number 3)FERSAN Semaan :NA Filing Date 4) VENUTO Nicholas A. (62) Divisional to Application Number :NA 5)NICKERSON Scott Filing Date :NA

### (57) Abstract:

An electrical bushing is disclosed for use in high voltage cryogenic applications. The bush ing including first and second bushing portions and an electrical conductor disposed longitudinally within the portions. The electrical conductor has a first terminal extending from the first bushing portion and a second terminal extending from the second bushing portion. The first terminal is configured to couple to a first electrical element at ambient temperature, and the second terminal is configured to couple to a second electrical element at cryogenic temperature. The first and second bushing portions comprise a base insulat or material, while the first bushing portion further comprises an environmental protection layer disposed over the base insulator portion.

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

(21) Application No.9149/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention: A METHOD AND SYSTEM OF IMPLEMENTING CONVERSATION SENSITIVE COLLECTION FOR A LINK AGGREGATION GROUP

(51) International :H04L12/891,H04L12/823,H04L12/801

classification

(31) Priority Document :61/815203

(32) Priority Date :23/04/2013 (33) Name of priority :U.S.A.

country

(86) International

:PCT/SE2014/050283 Application No

Filing Date

:07/03/2014

(87) International

:WO 2014/175805 **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)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant: S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)SALTSIDIS Panagiotis

2)FARKAS Janos

#### (57) Abstract:

Filing Date

A method is executed by a network device for implementing conversation-sensitive collection for frames received on a port of a link of a link aggregation group. The network device executes an aggregator to collect the frames for aggregator clients, where each frame is associated with a service identifier and a conversation identifier. The service identifier identifies a data flow at a link level for a service. The conversation identifier identifies the data flow at a link aggregation group level, where each conversation data flow consists of an ordered sequence of frames, and where the conversation-sensitive collection maintains the ordered sequence by discarding frames of conversations not allocated to the port.

No. of Pages: 55 No. of Claims: 20

(21) Application No.9482/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/11/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR RECLAIMING USABLE PRODUCTS FROM BIOSOLIDS

(51) International classification	:C02F11/14	(71)Name of Applicant:
(31) Priority Document No	:61/625831	1)NOWA TECHNOLOGY INC.
(32) Priority Date	:18/04/2012	Address of Applicant :5300 West 94th Terrace, Prairie
(33) Name of priority country	:U.S.A.	Village, KS 66207 U.S.A.
(86) International Application No	:PCT/US2013/037209	(72)Name of Inventor:
Filing Date	:18/04/2013	1)DESHAZO, Eugene F.
(87) International Publication No	:WO 2013/158904	
(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 method of reclaiming usable products from sludge is disclosed. A predetermined level of solvent within an extractor is heated, below boiling point, and dried sludge is immersed within the headed solvent. The solvent is a non-polar or polar aprotic solvents, such as ethyl acetate. The non-solid products, an oil/solvent mixture within the sludge are separated and transferred to at least one evaporator with a concentration of between 5-25% oil in the solvent. The oil and solvent are is separated in one or more evaporators to remove approximately 80%-90%, and preferably 70%-95%, of the solvent. The solids are moved to a desolventizer for removal of the residual solvent and are then dried to a moisture content of below 25% and preferably between 10 to 15%.

No. of Pages: 45 No. of Claims: 38

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 29/04/2016

# $(54) \ Title \ of the \ invention: N-CYCLOALKYL-N-[(HETEROCYCLYLPHENYL)METHYLENE]-(THIO)CARBOXAMIDE \ DERIVATIVES$

		(71)Name of Applicant : 1)BAYER CROPSCIENCE AG
(51) International classification	:CC07D207/00	Address of Applicant :Alfred Nobel Strasse 50, 40789
(31) Priority Document No	:12356010.4	Monheim Germany
(32) Priority Date	:20/04/2012	(72)Name of Inventor :
(33) Name of priority country	:EPO	1)BRAUN Christoph
(86) International Application No	:PCT/EP2013/058070	2)CRISTAU Pierre
Filing Date	:18/04/2013	3)DAHMEN Peter
(87) International Publication No	:WO 2013/156559	4)DESBORDES Philippe
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)ES SAYED Mazen 6)LACHAISE HI"ne 7)RINOLFI Philippe
(62) Divisional to Application Number	:NA	8)SCHMIDT Jan Peter
Filing Date	:NA	9)TSUCHYIA Tomoki
		10)VORS Jean Pierre
		11)WACHENDORFF NEUMANN Ulrike

# (57) Abstract:

The present invention relates to fungicidal N cycloalkyl N [(heterocyclylphenyl)methylene] carboxamide derivatives and their thiocarbonyl derivatives their process of preparation and intermediate compounds for their preparation their use as fungicides particularly in the form of fungicidal compositions and methods for the control of phytopathogenic fungi of plants using these compounds or their compositions.

No. of Pages: 127 No. of Claims: 26

1) EXXONMOBIL RESEARCH AND ENGINEERING

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: INTEGRATED POWER GENERATION USING MOLTEN CARBONATE FUEL CELLS

(51) International classification :C01B3/50,H01M8/06,H01M8/14 (71)Name of Applicant: (31) Priority Document No :61/787587 (32) Priority Date :15/03/2013 :U.S.A.

(61) Patent of Addition to **Application Number** Filing Date

(57) Abstract:

**COMPANY** (33) Name of priority country Address of Applicant: 1545 Route 22 East P.O. Box 900 Annandale NJ 08801 0900 U.S.A. (86) International Application :PCT/US2014/025212 (72) Name of Inventor: No :13/03/2014 1)BERLOWITZ Paul J. Filing Date (87) International Publication 2)BARCKHOLTZ Timothy Andrew :WO 2014/151210 3)HERSHKOWITZ Frank 4)LEE Anita S. :NA :NA (62) Divisional to Application :NA Number :NA Filing Date

In various aspects systems and methods are provided for integrated operation of molten carbonate fuel cells with turbines for power generation. Instead of selecting the operating conditions of a fuel cell to improve or maximize the electrical efficiency of the fuel cell an excess of reformable fuel can be passed into the anode of the fuel cell to increase the chemical energy output of the fuel cell. The increased chemical energy output can be used for additional power generation such as by providing fuel for a hydrogen turbine.

No. of Pages: 89 No. of Claims: 16

(21) Application No.7899/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: CARBONYLATION CATALYST AND PROCESS

:06/03/2014

(51) International classification: C07C67/37,B01J29/06,B01J29/18 (71) Name of Applicant:

(31) Priority Document No :13158470.8 (32) Priority Date :08/03/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/054393

Filing Date

(87) International Publication :WO 2014/135661

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BP CHEMICALS LIMITED

Address of Applicant : Chertsey Road Sunbury on Thames

Middlesex TW16 7BP U.K. (72) Name of Inventor: 1)SUNLEY John Glenn

(57) Abstract:

A catalyst and process for the production of methyl acetate by contacting dimethyl ether and carbon monoxide in the presence of a catalyst which is a zeolite of micropore volume of 0.01 ml/g or less.

No. of Pages: 26 No. of Claims: 31

(21) Application No.8056/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/09/2013 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR OPERATING A RAIL 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>	:B61C15/14 :10 2011 011 443.2 :16/02/2011 :Germany :PCT/EP2012/000601 :10/02/2012 :WO 2012/110216 :NA :NA :NA	(71)Name of Applicant:  1)VOITH PATENT GMBH  Address of Applicant: St. Pltener Strasse 43 89522  Heidenheim Germany (72)Name of Inventor:  1)SCHWAB Thomas
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for operating a rail vehicle having a plurality of wheels; comprising at least one driven/braked wheel to which power is applied for driving or braking the vehicle; wherein a change of speed of the driven/braked wheel is at least indirectly detected; and comprising a controller for influencing the power for driving or the force for braking the vehicle. The invention is characterised in that the vehicle has an acceleration sensor by means of which an acceleration of the vehicle is detected; an acceleration of the driven/braked wheel is determined from a change of speed of the driven/braked wheel; and the controller adapts the power and/or force if the acceleration of the driven/braked wheel deviates from the acceleration of the vehicle.

No. of Pages: 20 No. of Claims: 9

(21) Application No.9512/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: FEMININE HYGIENE ABSORBENT ARTICLES COMPRISING WATER ABSORBING POLYMER **PARTICLES**

(51) International :A61L15/24,A61L15/42,A61L15/60

classification

(31) Priority Document No :61/487413 (32) Priority Date :18/05/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/038024

No :16/05/2012 Filing Date

(87) International Publication: WO 2012/158734

(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)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A. (72) Name of Inventor: 1) GRAY Brian Francis

2)DI CINTIO Achille 3)CARLUCCI Giovanni

4)LOPEZ VILLANUEVA Francisco Javier

5)LINSENBUEHLER Markus 6)WEISMANTEL Matthias 7)SIEGEL Bemd Adolf

#### (57) Abstract:

A feminine hygiene absorbent article comprising water absorbing polymer particles obtainable by polymerization of a foamed monomer solution or suspension drying grinding and classification.

No. of Pages: 40 No. of Claims: 15

(22) Date of filing of Application :05/11/2013 (43) Publication Date : 29/04/2016

### (54) Title of the invention: METHOD OF MARKING HYDROCARBON 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</li> </ul>	:09/05/2012 :WO 2012/153132 :NA :NA	(71)Name of Applicant:  1)JOHNSON MATTHEY PUBLIC LIMITED COMPANY Address of Applicant:5th floor 25 Farringdon Street London EC4A 4AB U.K. (72)Name of Inventor: 1)STUBBS David 2)MCCALLIEN Duncan William John
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a method of marking a hydrocarbon liquid comprising the step of adding to said liquid, as a tracer compound, a compound of Formula (I) or Formula (II): wherein at least one of R1-R6 in Formula (I) and at least one of R7-R14 in Formula (II) is selected from: i. a bromine or fluorine atom; ii. a partially or fully halogenated alkyl group; iii. a branched or cyclic C4-C20 alkyl group; iv. an aliphatic substituent linking two positions selected from R1-R6 in Formula (I) to one another or two positions selected from R7-R14 in Formula (II) to one another; or v. a phenyl group substituted with a halogen atom, an aliphatic group or halogenated aliphatic group and none of R1-R6 in Formula (I) and none of R7-R14 in Formula (II) being a sulphonate group or COOR15, where R15 represents H, C1-C20 alkyl, C2-C20 alkenyl, C2-C20 alkynyl, C3-C15 cycloalkyl or aryl.

No. of Pages: 14 No. of Claims: 17

(22) Date of filing of Application :19/08/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TREATMENT OF CANCER USING A CD123 CHIMERIC ANTIGEN RECEPTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K :PCT/CN2014/084696 :19/08/2014 :PCT :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Novartis AG Address of Applicant: Lichtstrasse 35, 4056 Basel, Switzerland Switzerland 2)The Trustees of the University of Pennsylvania (72)Name of Inventor: 1)BROGDON Jennifer 2)GILL Saar 3)GLASS David 4)KENDERIAN Saad 5)LOEW Andreas 6)MANNICK Joan 7)MILONE Michael C. 8)MURPHY Leon 9)PORTER David 10)RUELLA Marco 11)WANG Yongqiang 12)WU Qilong 13)ZHANG Jiquan
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#### (57) Abstract:

The invention provides compositions and methods for treating diseases associated with expression of CD123. The invention also relates to chimeric antigen receptor (CAR) specific to CD123, vectors encoding the same, and recombinant cells comprising the CD123 CAR. The invention also includes methods of administering a genetically modified cell expressing a CAR that comprises a CD123 binding domain.

No. of Pages: 786 No. of Claims: 102

(21) Application No.5300/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention: PRINT MEDIA COATING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B41M5/52 :NA :NA :NA :PCT/US2012/021225 :13/01/2012 :WO 2013/105971 :NA :NA :NA	(71)Name of Applicant: 1)HEWLETT PACKARD DEVELOPMENT COMPANY L.P. Address of Applicant:11445 Compaq Center Drive W. Houston TX 77070 U.S.A. (72)Name of Inventor: 1)TOLES Christopher Arend 2)LEHTIMAKI Janne
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#### (57) Abstract:

An inkjet printing media (100) comprising a coating (110) layered on at least one side of the media (100) the coating (110) comprising a source of polyvalent ions and a latex binder that forms a coherent film in the presence of the polyvalent ions. A coating (110) comprising calcium 2+ ions (Ca2+) and a latex binder that forms a coherent film in the presence of the calcium 2+ ions (Ca2+). A print media coating (110) comprising: a source of polyvalent ions; and a latex binder that forms a coherent film in the presence of the polyvalent ions.

No. of Pages: 22 No. of Claims: 15

(22) Date of filing of Application :02/07/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHODS AND COMPOSITIONS FOR TREATING VIRAL DISEASES

(51) International classification	:A61K 31/517	(71)Name of Applicant:
(31) Priority Document No	:61/567491	1)THE BOARD OF TRUSTEES OF THE LELAND
(32) Priority Date	:06/12/2011	STANFORD JUNIOR UNIVERSITY
(33) Name of priority country	:U.S.A.	Address of Applicant :1705 El Camino Real Palo Alto CA
(86) International Application No	:PCT/US2012/068167	94306 U.S.A.
Filing Date	:06/12/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/086133	1)EINAV Shirit
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)BAROUCH BENTOV Rina 3)NEVEU Gregory 4)ZIVAV Amotz
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides a method for treating viral infections and coinfections through the use of inhibitory agents that prevent a unique viral structural protein motifs from binding to host proteins from the clathrin adaptor proteins family and subsequently preventing viral replication.

No. of Pages: 103 No. of Claims: 17

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: CONCEPTS AND LINK DISCOVERY 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) Distriment to Application Number</li> </ul>	:06/01/2012 :WO 2012/094592 :NA :NA	(71)Name of Applicant: 1)IXREVEAL INC. Address of Applicant: 3100 University Blvd. South Suite 240 Jacksonville Florida 32216 U.S.A. (72)Name of Inventor: 1)MOHAN Rengaswamy 2)WHITE Matthew Bruce
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

In one embodiment a method includes receiving a first selection from a user indicative of a first concept the first concept being defined by the presence or absence of a text string in an unstructured data object or a data code stored in a structured data object. The method further includes receiving a second selection from a user the second selection indicative of a second concept the second concept being defined by the presence or absence of a text string in an unstructured data object or a data code stored in a structured data object. The method further includes determining a relationship between the first concept and the second concept the relationship based on a number of documents from a plurality of documents that include the first concept and the second concept. The method further includes outputting a visual representation of the relationship to a display.

No. of Pages: 39 No. of Claims: 26

(21) Application No.7889/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: MEMBRANE MODULES

(51) International :B01D61/02,B01D69/10,B01D71/00 classification

(31) Priority Document No :61/793184

(32) Priority Date :15/03/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/023354 Application No

:11/03/2014 Filing Date

(87) International Publication :WO 2014/150475

:NA Application Number :NA Filing Date

(62) Divisional to **Application Number** Filing Date

(61) Patent of Addition to

:NA :NA (71)Name of Applicant: 1)OASYS WATER INC.

Address of Applicant :21 Drydock Avenue 7th Floor Boston

MA 02210 U.S.A.

(72) Name of Inventor:

1)MAXWELL Eric 2)ELKINA Inga B.

3)HANCOCK Nathan T.

4)MCGURGAN Gary

#### (57) Abstract:

The invention relates to membranes membrane modules and applications therefor. In particular the invention relates to the construction of membranes and membrane modules for use in osmotically driven membrane processes.

No. of Pages: 54 No. of Claims: 20

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: OVERCOATED POWDER PARTICLES

(51) International :A01N27/00,A01N25/28,A01P21/00 classification

:61/781636 (31) Priority Document No (32) Priority Date :14/03/2013

(33) Name of priority country:U.S.A.

(86) International :PCT/US2014/023030

Application No :11/03/2014 Filing Date

(87) International Publication :WO 2014/150355

(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)AGROFRESH INC.

Address of Applicant: 727 Norris town Road, Spring House,

Pennsylvania 19477 (US) U.S.A.

2)SYNGENTA PARTICIPATIONS AG

(72)Name of Inventor: 1)ZHEN Yueqian 2)THOMSON Niall Rae

#### (57) Abstract:

Provided are compositions comprising a collection of overcoated particles wherein each of the overcoated particles comprises a first coating and a second coating. In one embodiment the first coating comprises water insoluble material for example a fatty compound or a waxy material. In another embodiment the second coating comprises a water insoluble polymer or water resistant film wherein the water insoluble polymer of the second coating is different than the water insoluble material of the first coating. Also provided is a slurry comprising water and overcoated powders provided herein. Also provided is a method of contacting plants or plant parts with a composition or slurry provided herein.

No. of Pages: 50 No. of Claims: 25

(21) Application No.7829/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/09/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: WORKING FLUID COMPOSITION FOR REFRIGERATOR

(51) International :C10M105/32,C09K5/04,C10M105/38

classification

(31) Priority Document No :2013062527 (32) Priority Date :25/03/2013 (33) Name of priority

:Japan country

(86) International :PCT/JP2014/056970 Application No

:14/03/2014 Filing Date

(87) International

:WO 2014/156737 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)JX NIPPON OIL & ENERGY CORPORATION

Address of Applicant :6 3 Otemachi 2 chome Chiyoda ku

Tokyo 1008162 Japan (72) Name of Inventor: 1)OKIDO Takeshi 2)KONNO Souichirou

#### (57) Abstract:

The present invention provides a working fluid composition for a refrigerator said working fluid composition including: tetrafluoropropene as a refrigerant; and a refrigerator oil including as a base oil a mixed ester obtained by mixing a complex ester (A) which is synthesized from a prescribed polyalcohol a C6 12 polybasic acid and a C4 18 monovalent alcohol or a C4 18 monovalent fatty acid with a polyol ester (B) which is synthesized from a prescribed polyalcohol and a C4 18 monovalent fatty acid at a mass ratio (the complex ester (A)/the polyol ester (B)) in the range of 5/95 to 95/5. The viscosity of the dissolved refrigerant at a temperature of 80°C and an absolute pressure of 1.6 MPa is at least 1.5 mm/s.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :28/03/2013

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR FORMING A TRANSLATING MULTIFOCAL CONTACT 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> </ul>	:G02B :61/617,794 :30/03/2012 :U.S.A. :NA :NA	Address of Applicant :7500 CENTURION PARKWAY, JACKSONVILLE, FLORIDA 32256, U.S.A. U.S.A. (72)Name of Inventor: 1)CHRISTOPHER WILDSMITH
<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)MICHAEL F WILDMAN 3)JONATHAN P. ADAMS

#### (57) Abstract:

A translating multifocal contact lens is described. The lens includes multiple optic zones, and a lower-lid contact surface and method steps and apparatus for implementing the same. The lens may optionally include an under-lid support structure. At least a portion of one surface of the translating multifocal lens may be Free-formed comprising a lower-lid contact surface, and optionally an under-lid support structure, capable of limiting the amount of translation of a lens across a surface of an eye when an eye changes from one optic zone to another.

No. of Pages: 97 No. of Claims: 26

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: ROD GUIDE ASSEMBLY WITH MULTI PIECE VALVE ASSEMBLY

:NA

(51) International classification :F16F9/36,F16F9/34,F16F9/346 (71)Name of Applicant : (31) Priority Document No 1)TENNECO AUTOMOTIVE OPERATING COMPANY :61/787004 INC. (32) Priority Date :15/03/2013 (33) Name of priority country :U.S.A. Address of Applicant :500 North Field Drive Lake Forest (86) International Application No :PCT/US2014/028386 Illinois 60045 U.S.A. Filing Date (72) Name of Inventor: :14/03/2014 (87) International Publication No :WO 2014/144110 1)ROESSLE Matthew L. (61) Patent of Addition to 2) DUNAWAY Scott S. :NA **Application Number** 3)BLANKENSHIP David R. :NA Filing Date 4) GARDNER Jeffrey T. (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

A shock absorber may include a piston rod a first rod guide member a second rod guide member and an electronically controlled valve assembly. The first rod guide member is concentrically disposed about the piston rod and the second rod guide member is concentrically disposed about the piston rod and is adjacent the first rod guide member. The electronically controlled valve assembly may include a coil assembly and a valve guide assembly. The valve guide assembly may be disposed adjacent to the coil assembly and may be concentrically disposed about the second rod guide member. The valve guide assembly includes a spool and defines a valve inlet a valve outlet and a chamber. The spool is disposed within the chamber and controls the flow of fluid between the valve inlet and the valve outlet.

No. of Pages: 48 No. of Claims: 23

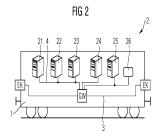
(22) Date of filing of Application: 19/10/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention : METHOD AND CONTROL UNIT FOR DETECTING MANIPULATIONS OF A VEHICLE 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06F21/00 :10 2011 076 350.3 :24/05/2011 :Germany :PCT/EP2012/059051 :15/05/2012 :WO 2012/159940 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)BEYER Ralf 2)FALK Rainer
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for detecting manipulation of at least one vehicle network (2) of a vehicle (1) comprising the following steps: determining a digital fingerprint of the at least one vehicle network (2); comparing the digital fingerprint of the at least one vehicle network (2) to reference information; adapting the function of the at least one vehicle network (2) as a function of the result of the comparison such that operational safety is ensured; activating a regular control mode if no manipulation of the at least one vehicle network (2) is detected or activating an operationally safe control mode if manipulation of the at least one vehicle network (2) is detected. The invention further relates to a control unit for detecting manipulation of at least one vehicle network (2) of a vehicle (1) characterized in that control tasks are carried out as a function of the result of a comparison of a digital fingerprint of at least one vehicle network (2) to reference information of a control network (21).



No. of Pages: 20 No. of Claims: 26

(22) Date of filing of Application :04/11/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INJECTION SYSTEM, METERING PUMP, EXHAUST GAS TREATMENT DEVICE, 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>	:F01N3/00 :10 2012 208 933.0 :29/05/2012 :Germany :PCT/EP2013/056991 :03/04/2013 :WO 2013/178384 :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)HAEBERER, Rainer
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an injection system (2) for metered injection of a fluid particularly for an exhaust gas treatment device (1) in a motor vehicle said system having: a tank (3) for storing the fluid; a metering valve (19); an actuatable venting valve (25) for admitting gas into or releasing gas from the injection system (2); and a metering pump (7) which is connected to the tank (3) and the metering valve (19) in order to convey the fluid from the tank (3) to the metering valve (19). The metering pump (19) is designed as a piston pump (8) and has a piston (10) axially movable in a cylinder (9) between an upper and a lower dead centre and forming together with the cylinder (9) a pump chamber (12). Associated with the pump chamber (12) the cylinder (9) has a first connection (14) which is connected to the tank (3) via a tank line (6) a second connection (17) which is connected to the metering valve (19) via a conveying line (18) and a third connection (23) which is connected to the venting valve (25) via a venting line (24). The invention further relates to a metering pump and an exhaust gas treatment system. The invention additionally relates to a method for operating a corresponding injection system.

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

(22) Date of filing of Application :07/11/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COMPLEMENT PATHWAY MODULATORS AND USES THEREOF

(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	:C07D403/06,C07D413/06,C07D417/06 :61/642798 :04/05/2012 :U.S.A. :PCT/IB2013/053546 :03/05/2013 :WO 2013/164802 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland  2)CAPPARELLI Michael Paul (72)Name of Inventor: 1)ADAMS, Christopher Michael 2)BABU, Charles 3)DING, Jian 4)EHARA, Takeru 5)JENDZA, Keith 6)JI, Nan 7)KARKI, Rajeshri Ganesh 8)KAWANAM,I Toshio 9)XUE, Liang
	:NA	8)KAWANAM,I Toshio 9)XUE, Liang
(62) Divisional to Application Number Filing Date	:NA :NA	10)MAINOLFI, Nello 11)POWERS, James J. 12)SERRANO- WU, Michael H. 13)ZHANG, Chun

#### (57) Abstract:

The present invention provides a compound of formula I: (I) a method for manufacturing the compounds of the invention and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.

No. of Pages: 395 No. of Claims: 31

(21) Application No.9923/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/11/2013 (43) Publication Date: 29/04/2016

## (54) Title of the invention: BOVINE VACCINES 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61K39/02 :61/495591 :10/06/2011 :U.S.A. :PCT/US2012/041443 :08/06/2012 :WO 2012/170753 :NA :NA	(71)Name of Applicant: 1)NOVARTIS AG Address of Applicant: 35 Lichtstrasse CH 4056 Basel Switzerland (72)Name of Inventor: 1)SPRINGER Eric
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods for stimulating immune responses in a bovine animal susceptible to infection by Leptospira hardjo-bovis are disclosed. In the methods, a composition of inactivated L. hardjo-bovis and an adjuvant is administered to the animal within about 4 weeks of birth. The immune responses stimulated in the animal prevent or shorten the duration of a subsequent L. hard jo-bovis infection. The immune response is effective for at least a year.

No. of Pages: 37 No. of Claims: 24

(21) Application No.8001/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

### (54) Title of the invention: ORAL CARE COMPOSITIONS CONTAINING POLYORGANOSILSESQUIOXANE PARTICLES

(51) International :A61Q11/00,A61K8/891,A61K8/02

classification

(31) Priority Document No :61/810410 (32) Priority Date :10/04/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/033574

:10/04/2014 Filing Date

(87) International Publication :WO 2014/169084

(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) THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A. (72) Name of Inventor:

1)MIDHA Sanjeev 2)LEBLANC Michael Jude 3)SCHNEIDERMAN Eva

4)HUGHES Iain Allan

Oral compositions containing a polyorganosilsesquioxane particle preferably polymethylsilsesquioxane particles and an orally acceptable carrier. Method of using such compositions for the cleaning and polishing of dental enamel such methods including the step of applying such oral care compositions to the teeth of a user.

No. of Pages: 46 No. of Claims: 15

(21) Application No.8005/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

## $(54) \ Title \ of the invention: AZEOTROPIC \ COMPOSITIONS \ OF 1\ 3\ 3\ TRICHLORO\ 1\ 1\ DIFLUOROPROPANE\ AND \ HYDROGEN \ FLUORIDE$

(51) International classification	:C09K5/04,C07C19/08	(71)Name of Applicant :
(31) Priority Document No	:13/798250	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:13/03/2013	Address of Applicant :Patent Services M/S AB/2B 101
(33) Name of priority country	:U.S.A.	Columbia Road P. O. Box 2245 Morristown New Jersey 07962
(86) International Application No	:PCT/US2014/020603	2245 U.S.A.
Filing Date	:05/03/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/164107	1)MERKEL Daniel C.
(61) Patent of Addition to Application	:NA	2)POKROVSKI Konstantin A.
Number	:NA	3)TUNG Hsueh Sung
Filing Date	.IVA	4)WANG Haiyou
(62) Divisional to Application Number	:NA	5)COTTRELL Stephen A.
Filing Date	:NA	6)PHAM Hang T.

#### (57) Abstract:

Provided are azeotropic or azeotrope like mixtures of 1 3 3 trichloro 1 1 difluoro propane (HCFO 242fa) and hydrogen fluoride. Such compositions are useful as a feed stock or intermediate in the production of HFC245fa and HC-FO1233zd.

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

(21) Application No.8668/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention : INHIBITORS OF VIRAL REPLICATION THEIR PROCESS OF PREPARATION AND THEIR THERAPEUTICAL USES

(51) International classification :C07D209/24,C07D333/60,C07D409/04 (31) Priority Document

(31) Priority Document :11305406.8

(32) Priority Date :07/04/2011
 (33) Name of priority :FDO

country :EPO

(86) International Application No :PCT/IB2012/051722

Filing Date :06/04/2012

(87) International Publication No :WO 2012/137181

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)LABORATOIRE BIODIM

Address of Applicant :84 rue de Grenelle F 75007 Paris France

(72)Name of Inventor:
1)CHASSET Sophie
2)CHEVREUIL Francis
3)LEDOUSSAL Benoit
4)LE STRAT Frdric
5)BENAROUS Richard

(57) Abstract:

The present invention relates to compounds of formula (1) as claimed in claim 1 their use in the treatment or the prevention of viral disorders including HIV. (Formula I)

No. of Pages: 261 No. of Claims: 26

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INDUCTIVE CONTROL SYSTEM OF ELECTRIC TOY

(51) International classification	:A63H30/00	(71)Name of Applicant:
(31) Priority Document No	:201410029070.X	1)GUANGDONG ALPHA ANIMATION & CULTURE CO.
(32) Priority Date	:22/01/2014	LTD.
(33) Name of priority country	:China	Address of Applicant : Auldey Industrial Area Wenguan Road
(86) International Application No	:PCT/CN2014/090535	M. Chenghai District Shantou City Guangdong 515800 China
Filing Date	:07/11/2014	2)GUANGDONG AULDEY ANIMATION & TOY CO.
(87) International Publication No	:WO 2015/109879	LTD.
(61) Patent of Addition to Application	:NA	3)GUANGZHOU ALPHA CULTURE
Number	:NA	COMMUNICATIONS CO.LTD.
Filing Date	INA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)CAI Dongqing
Filing Date	:NA	

#### (57) Abstract:

An inductive control system of an electric toy comprising a signal detection module used for receiving external induction and generating an induction signal; an operation and control module used for receiving the induction signal and calculating the number of induction signals thus sending a corresponding control signal; and an electrically driven module used for receiving the control signal and sending a drive signal to the electric toy so as to control the operation of the electric toy. Therefore according to different number of times of induction the electric toy can be made to execute different actions or change the speed of the same action. The toy to which the induction control system applies is free from the constraint of a remote control and is suitable for children of different ages to play with.

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

(21) Application No.7947/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date: 29/04/2016

### (54) Title of the invention: MOTOR VEHICLE DOOR CLOSURE

(51) International

:E05B79/20,E05B81/20,E05B81/30 classification

(31) Priority Document No :10 2013 102 063.1 (32) Priority Date :01/03/2013

(33) Name of priority country: Germany

(86) International Application :PCT/DE2014/000079

:27/02/2014

Filing Date

(87) International Publication :WO 2014/131390

(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)KIEKERT AKTIENGESELLSCHAFT

Address of Applicant: Hseler Platz 2 42579 Heiligenhaus

Germany

(72) Name of Inventor:

1)T-PFER Claus

2) REDDMANN Uwe

3)SCHOLZ Michael

4)STURM Christian

(57) Abstract:

The invention relates to a motor vehicle door closure which is equipped with a pulling shut/opening device (5 6; 9 10 11) with a drive (9 10 11) and transmission element (5 6). In addition a locking mechanism (1 2) is realized. The drive (9 10 11) operates with the interconnection of the transmission element (5 6) on the locking mechanism (1 2) in order to open the latter or pull the latter shut. According to the invention the drive (9 10 11) is designed to have a variable torque and act upon the transmission element (5 6) with a torque which is dependent on the drive travel (s).

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

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

(43) Publication Date: 29/04/2016

## (54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING WIRELESS CHARGING POWER TO A WIRELESS POWER 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04M1/00 :1020120074492 :09/07/2012 :Republic of Korea :PCT/KR2013/006077 :09/07/2013 :WO 2014/010907 :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)LEE Kyung Woo 2)BYUN Kang Ho 3)JUNG Hee Won
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

A method and apparatus for transmitting charging power to a wireless power receiver. The method includes detecting the wireless power receiver by applying different detection powers with different power levels; applying a driving power to drive the detected wireless power receiver; receiving a request signal for communication from the detected wireless power receiver using the driving power; determining whether or not to subscribe the detected wireless power receiver to a wireless power network; transmitting to the detected wireless power receiver a response signal to the request signal for communication the response signal indicating whether or not the detected wireless power receiver is subscribed to the wireless power network; and transmitting charging power to the detected wireless power receiver when the detected wireless power receiver is subscribed to the wireless power network.

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

(21) Application No.7237/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/08/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: ELECTRICAL APPLIANCE THAT CAN ALSO BE USED IN INDUSTRY FOR COOLING OR FREEZING PRODUCTS WITH MAXIMUM SPEED

(51) International classification :F25D23/06,F25D17/00 (71)Name of Applicant : (31) Priority Document No :P201100039

(32) Priority Date :17/01/2011 (33) Name of priority country :Spain

(86) International Application No :PCT/ES2012/000011

Filing Date :13/01/2012 (87) International Publication No :WO 2012/098276

(61) Patent of Addition to Application :NA Number

:NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)MARTINEZ AROCA Jose Antonio

Address of Applicant : C/Cid Campeador 11 3°C Ganda 46702

Valencia Spain

(72) Name of Inventor:

1)MARTINEZ AROCA Jose Antonio

#### (57) Abstract:

The invention relates to an electrical appliance (1) that can also be used in industry for cooling or freezing products with maximum speed providing a novel and practical alternative for use and application in that it can cool products in an accelerated manner for example drinks or food such that it only takes a few minutes. Said appliance comprises a novel double filtering system (26) for gas incorporated into the electrical appliance (1) which specifically arranged in the outlet end of the evaporating coil (13) generates up to eight times more speed during the periods of the cooling process reducing the time of the cold cycle. The double filtering system (26) incorporated into the electrical appliance (1) mentioned in the patent to which we refer is essential for cooling with maximum speed.

No. of Pages: 17 No. of Claims: 4

:NA

(21) Application No.7239/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: METHOD FOR PRODUCING METHANOL OR HYDROCARBONS FROM A CARBON MATERIAL INCLUDING A REFORMING STEP THE OPERATING CONDITIONS OF WHICH ARE SELECTIVELY ADJUSTED

(51) International classification: C01B3/32,C25B1/02,C07C29/151 (71) Name of Applicant: (31) Priority Document No :1151408 1)AREVA (32) Priority Date :22/02/2011 Address of Applicant :33 rue La Fayette F 75009 Paris France (72)Name of Inventor: (33) Name of priority country :France (86) International Application 1)LECOMTE Michel :PCT/EP2012/053014 2)MOURGUES CODERN Alejandro Carlos :22/02/2012 Filing Date (87) International Publication :WO 2012/113832 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

The production method of the invention includes the following steps: producing a synthetic gas from the carbon material according to a method including at least one reforming step the synthetic gas having a first hydrogen/carbon monoxide molar ratio under the first operating conditions for the reforming operation; producing a stream of hydrogen from a hydrogenated raw material and from a first consumed electrical power the hydrogen stream having a first molar flow rate for said first consumed electrical power; and lowering the consumed electrical power for producing the hydrogen stream to a second electrical power than the first electrical power and transitioning to second operating conditions that are different from the first operating conditions for the reforming operation in order to compensate for the lowering of the molar flow rate of the hydrogen stream the synthetic gas having under the second operating conditions a second hydrogen/carbon monoxide molar ratio that is greater than the first hydrogen/carbon monoxide molar ratio.

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

(21) Application No.9097/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/10/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TESTING APPARATUS

(51) International classification	:G01N21/84	(71)Name of Applicant:
(31) Priority Document No	:1105474.9	1)ALBAGAIA LIMITED
(32) Priority Date	:31/03/2011	Address of Applicant :Pinnacle House Mill Road Industrial
(33) Name of priority country	:U.K.	Estate Linlithgow EH49 7SF U.K.
(86) International Application No	:PCT/GB2012/050717	(72)Name of Inventor:
Filing Date	:30/03/2012	1)TYRIE Graham
(87) International Publication No	:WO 2012/131386	2)ASHBROOK Anthony Peter
(61) Patent of Addition to Application	:NA	3)POLWART Neil
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A testing apparatus for performing an assay, the testing apparatus comprising: a receptacle (2) containing a reagent, the reagent being reactive to an applied test sample by developing a colour or pattern variation; a portable device (1), e.g. a mobile phone or a laptop, comprising a processor and an image capture device (3), wherein the processor is configured to process data captured by the image capture device and output a test result for the applied test sample.

No. of Pages: 38 No. of Claims: 46

(21) Application No.7924/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: INFLUENZA NUCLEIC ACID MOLECULES AND VACCINES MADE THEREFROM

(51) International classification :A61K39/145,A61K39/295,C12N15/00

(31) Priority Document No:61/787182 (32) Priority Date :15/03/2013

(33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2014/024363

Filing Date :12/03/2014

(87) International

Publication No :WO 2014/150835

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1) THE TRUSTEES OF THE UNIVERSITY OF

PENNSYLVANIA

Address of Applicant :3160 Chestnut Street Suite 200

Philadelphia Pennsylvania 19104 6283 U.S.A.

(72)Name of Inventor: 1)WEINER David

2)YAN Jian

3)MORROW Matthew

#### (57) Abstract:

Provided herein are nucleic acid sequences that encode novel consensus amino acid sequences of HA hemagglutinin and/or influenza B hemagglutinin as well as genetic constructs/vectors and vaccines expressing the sequences. Also provided herein are methods for generating an immune response against one or more influenza A serotypes and/or influenza B serotypes or combinations thereof using the vaccines that are provided.

No. of Pages: 172 No. of Claims: 20

(21) Application No.7927/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MEDICAL APPARATUS 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</li> </ul>	:A61N5/06 :1301958.3 :04/02/2013 :U.K. :PCT/GB2014/050289 :03/02/2014 :WO 2014/118571 :NA :NA	(71)Name of Applicant:  1)POLYPHOTONIX LIMITED  Address of Applicant: PETEC Thomas Wright Way NETPark Sedgefield Durham TS21 3FG U.K. (72)Name of Inventor:  1)BARCLAY Luke Stuart  2)HILL Duncan John  3)KIRK Richard Anthony  4)SNELL Thomas  5)WINTER Melanie Jayne
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A medical apparatus system and method of producing a medical apparatus are disclosed. The apparatus includes a radiation source for emitting electromagnetic radiation towards an area to be treated of a patient; a mount element arranged to be worn by the patient for positioning the radiation source in a predetermined position relative to the area to be treated; and a controller for controlling the duration or time that the radiation source emits electromagnetic radiation and for varying the intensity of electromagnetic radiation emitted in accordance with predetermined parameters.

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

(21) Application No.7928/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/09/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AN IMMUNOGEN COMPRISING THE MPER 656-GTH1 PEPTIDE AND A LIPOSOME •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 Filed on</li> </ul>	:A61K9/127, :60/670,243 :12/04/2005 :U.S.A. :PCT/US2006/013684 :12/04/2006 :WO/2006/110831 :NA :NA :8249/DELNP/2007 :25/10/2007	(71)Name of Applicant:  1)DUKE UNIVERSITY Address of Applicant: P.O. Box 90083, Durham, NC 27708-0083, United States of America U.S.A. (72)Name of Inventor: 1)HAYNES, Barton, F. 2)ALAM, Munir, S. 3)LIAO, Hua-Xin
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#### (57) Abstract:

The present invention relates, in general, to human immunodeficiency virus (HIV), and, in particular, to a method of inducing neutralizing antibodies to HIV and to compounds and compositions suitable for use in such a method.

No. of Pages: 60 No. of Claims: 23

(21) Application No.9795/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application:13/11/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: COMMAND AND ALERT DEVICE

(51) International classification :F16J15/10,F16J15/12,F16J15/32 (71)Name of Applicant:

(31) Priority Document No :10 2011 078 638.4

(32) Priority Date :05/07/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/061866

:20/06/2012 Filing Date

(87) International Publication No:WO 2013/004502

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

Germany

(72)Name of Inventor:

1)B,,UML Alfred

2)BAUMANN Michael

3) RISS Patricia

## (57) Abstract:

The invention relates to a command and alert device (1), which comprises an actuator (2) having a tubular body (3), wherein the tubular body (4) is guided through a front plate (5) and a seal is arranged between the tubular body (4) and the front plate (5). The invention is characterized in that the seal is a sealing element (6) which is composed of several components. Fig:-2



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

(21) Application No.9796/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/11/2013 (43) Publication Date: 29/04/2016

### (54) Title of the invention: IMPROVED FLAT PACKAGING OF PETRI DISHES FOR PROLONGED PRESERVATION AND METHOD OF PRODUCING THE SAME

(51) International :B65D85/00,B65D81/24,B65B31/04 classification

(31) Priority Document No :61/476738 (32) Priority Date :18/04/2011

(33) Name of priority country: U.S.A.

(86) International Application: PCT/US2012/034097

No :18/04/2012 Filing Date

(87) International Publication :WO 2012/145408

(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)BARNHIZER Bret T.

Address of Applicant :6935 Youngstown Pittsburgh Road

Poland OH 44514 U.S.A. (72) Name of Inventor: 1)BARNHIZER Bret T.

#### (57) Abstract:

The present invention provides an improved flat package of petri dishes and method of producing the same for prolonging shelf life and preservation of sterility of the petri dishes. The flat package is comprised of an optically clear high barrier moisture gas and microbial resistant pouch. A plurality of petri dishes located adjacent one another are placed in an interior cavity of the pouch after which the pouch is vacuum packed optionally flushed with an inert gas and then heat sealed. The placement and immobilization of the petri dishes in the pouch allow for prolonged shelf life and preservation of sterility greatly reduced breakage rates and enhanced visibility of the petri dishes by a user.

No. of Pages: 17 No. of Claims: 19

(21) Application No.9797/DELNP/2013 A

(71)Name of Applicant:

Alberta T8H 1E2 Canada

(72) Name of Inventor:

3)LI Dongyang

1)ARCH BIOPHYSICS INC.

1) IRVIN Randall Thomas

2)DAVIS Elisabeth Melika

Address of Applicant: 9 Chelsea Manor Sherwood Park

(19) INDIA

(22) Date of filing of Application: 13/11/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: STRUCTURES SURFACE COATED WITH PSEUDOMONAS PILIN PEPTIDE

(51) International :C07K17/00,A01N63/00,A61L27/34 classification

(31) Priority Document No :13/087257 (32) Priority Date :14/04/2011

(33) Name of priority country:U.S.A. (86) International

:PCT/CA2012/000360 Application No :13/04/2012

Filing Date

(87) International Publication :WO 2012/139208

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

4)MURUVE Daniel Abraham

(57) Abstract:

The present invention relates to a methods and composition in which a D form or retro inverso Pseudomonas pilin peptide optionally having a polyethylene glycol moiety covalently attached to the peptide is bound to a substrate. The disclosed methods and composition are useful for reducing the frictional coefficient inhibiting biofilm formation by non Pseudomonas bacteria for reducing the inflammatory response to a material for reducing corrosion of metals and in biosensor applications.

No. of Pages: 99 No. of Claims: 64

(21) Application No.9790/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/11/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: POLYOLEFIN PIPE WITH IMPROVED MIGRATION BEHAVIOUR

(51) International classification :C08K5/32,C08K5/3435,C08K5/3462 (31) Priority Document No :11003199.4 (32) Priority Date :15/04/2011 (33) Name of priority country :EPO

(86) International PCT/EP2012/000041 Application No

Filing Date :05/01/2012

(87) International Publication No :WO 2012/139673

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant : 1)BOREALIS AG

Address of Applicant :IZD Tower Wagramerstrasse 17 19 A

1220 Vienna Austria (72)Name of Inventor: 1)ANKER Martin 2)JAMTVEDT Svein

## (57) Abstract:

The present invention relates to a pipe comprising a polyolefin composition with low migration of the used additives and its decomposition products especially phenolics out of the composition at the same time showing good pressure testing performance.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :18/11/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: CROSS-REACTIVE STAPHYLOCOCCUS AUREUS ANTIBODY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K16/12 :12164506.3 :17/04/2012 :EPO :PCT/EP2013/058022 :17/04/2013 :WO 2013/156534 :NA :NA :NA	(71)Name of Applicant:  1)ARSANIS BIOSCIENCES GMBH Address of Applicant: Helmut Qualtinger Gasse 2 A 1030 Vienna Austria (72)Name of Inventor: 1)NAGY Eszter 2)BADARAU Adriana 3)ROUHA Harald 4)STULIK Lukas 5)NAGY Gibor 6)MIRKINA Irina 7)MAGYARICS Zoltin 8)VISRAM Zehra 9)JAEGERHOFER Michaela 10)ZERBS Manuel 11)DOLEZILKOVA Ivana 12)TEUBENBACHER Astrid 13)BATTLES Michael Benjamin 14)PRINZ Bianka Dominique
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#### (57) Abstract:

The subject relates to a cross neutralizing antibody comprising at least one polyspecific binding site that binds to alpha toxin (Hla) and at least one of the bi component toxins of Staphylococcus aureus its medical and diagnostic use method of producing the antibody including an isolated nucleotide sequence plasmids and host cells as used in the production of the antibody; and further an isolated conformational epitope recognized by a specific cross neutralizing antibody.

No. of Pages: 107 No. of Claims: 22

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR ON DEMAND ELECTRICAL POWER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06Q50/06 :61/670619 :12/07/2012 :U.S.A. :PCT/IL2013/050587 :10/07/2013 :WO 2014/009954 :NA :NA	(71)Name of Applicant:  1)NOVA LUMOS LTD.  Address of Applicant: 16 HaBonim Street P.O. Box 8568 4250465 Netanya Israel (72)Name of Inventor:  1)MAROM Nir  2)VORTMAN David
•	:NA :NA	

#### (57) Abstract:

A system for providing renewable energy to a subject is provided. The system includes at least one power unit for converting environmental energy into electrical power and a regulator for controlling an amount of electrical power drawn from the power unit based on a pre purchase of electrical power by the subject.

No. of Pages: 19 No. of Claims: 25

(21) Application No.9786/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/11/2013 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: LENS WITH AN EXTENDED FOCAL RANGE

(51) International classification: G02B27/00,G02C7/06,A61F2/16 (71) Name of Applicant: (31) Priority Document No :10 2011 101 899.2

:WO 2012/156081

:NA

(32) Priority Date :18/05/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/002098

No

:16/05/2012 Filing Date

(87) International Publication

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to Application :NA

Number Filing Date

(57) Abstract:

1) CARL ZEISS AG

Address of Applicant : Carl Zeiss Strasse 22 73447

Oberkochen Germany (72) Name of Inventor:

1)DOBSCHAL Hans J¹/₄rgen

The invention relates to a lens that has an extended focal range, said lens consisting of a solid material. The optical surfaces of the lens are transparent, and the lens has a refractive index distribution. According to the invention, the refractive index distribution FG of the lens (1) with respect to a plane that is perpendicular to the optical axis (10) changes between a refractive index base value FL that is not equal to zero and a maximum value FSmax as a function of the radial height r and the azimuth angle phi of the aperture. Thus, the refractive index distribution results from FG(r,phi) = FL + FS(r,phi), with the spiral-shaped refractive index portion FS(r,phi) = FSmax(r) w(phi), wherein FSmax(r) is nonlinearly dependent on the radius and w(phi) is a factor for the refractive index portion with a spiral curve.

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

(22) Date of filing of Application :13/11/2013 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A PERSONAL INFORMATION DISPLAY SYSTEM AND ASSOCIATED 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>	:G06F3/048 :11305701.2 :07/06/2011 :EPO :PCT/EP2012/002408 :06/06/2012 :WO 2012/167924 :NA :NA	(71)Name of Applicant:  1)AMADEUS S.A.S. Address of Applicant:485 route du Pin Montard Sophia Antipolis F 06410 Biot France (72)Name of Inventor: 1)BEZINE Benjamin 2)RUFFIER Benjamin 3)SAVORNIN Richard 4)ROTHE Ingolf Tobias
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#### (57) Abstract:

A system for identification and/or authentication of a user in a travel terminal the system comprising: a multiuser interactive screen having one or more interaction zones with which a user can interact; an image generation system for generating information on the interaction zone to provide information to the user with which the user can interact and; an image capture system which generates a captured image of any item in contact with the interaction zone; a recognition system for recognising one or more features from the captured image to enable identification and/or authentication of the user; a communication system for communicating with the user by means of the image generation means to confirm identification or request additional information.

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

(22) Date of filing of Application :26/03/2008

(43) Publication Date: 29/04/2016

# (54) Title of the invention : ISOXAZOLINE LINKED PYRROLO[2,1-C][1,4]BENZODIAZEPINE HYBRIDS AS POTENTIAL ANTICANCER AGENTS AND THE PROCESS FOR PREPARATION THEREOF

(51) Y	1 (1707/00	
(51) International classification	:A61P35/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)AHMED KAMAL
(61) Patent of Addition to Application Number	:NA	2)JONNALA SURENDRANADHA REDDY
Filing Date	:NA	3)EARLA VIJAY BHARATHI
(62) Divisional to Application Number	:NA	4)DUDEKULA DASTAGIRI
Filing Date	:NA	

#### (57) Abstract:

The present invention provides compounds of general formula 5a-d and 9a-h useful as potential antitumour agents against human cancer cell lines. The present invention further provides a process for the preparation of pyrrolo[2,1-c][1,4]benzodiazepine hybrids of general formula 5a-d and 9a-h.

No. of Pages: 43 No. of Claims: 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8007/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date: 29/04/2016

### (54) Title of the invention: DUAL AXIS ROTOR

(51) International classification :F01C3/06,F01C3/08,F04C18/54 (71)Name of Applicant :

(31) Priority Document No :13/840514 (32) Priority Date :15/03/2013

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/CA2014/050287

Filing Date :17/03/2014

(87) International Publication No: WO 2014/139036

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) EXPONENTIAL TECHNOLOGIES INC.

Address of Applicant :Bay #104 512 Moraine Road N.E.

Calgary Alberta T2A 2P2 Canada

(72)Name of Inventor: 1)JUAN Alejandro 2)PATTERSON Curtis 3)FARRELL Erik 4)SCOTT Stephen

5)FIOLKA Kyle

#### (57) Abstract:

This disclosure concerns an advanced nutating positive displacement device having a high power to mass ratio and low production cost. This device in one example forms an exemplary pump as will be discussed in detail. The examples disclosed herein are of the rotary positive displacement type but in a class by themselves. The devices are formed by a nutating rotor having a face comprising lobes and valleys and a fixed stator also having a face with lobes and valleys. The face of the rotor opposes and cooperates with the face of the stator. The opposing faces define chambers that change volume with rotation of the rotor.

No. of Pages: 106 No. of Claims: 60

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : MICRO/NANO STRUCTURES OF COLLOIDAL NANOPARTICLES ATTACHED TO AN ELECTRET SUBSTRATE AND METHOD FOR PRODUCING SUCH MICRO/NANO STRUCTURES

(51) International classification	:B81C1/00	(71)Name of Applicant:
(31) Priority Document No	:1352092	1)INSTITUT NATIONAL DES SCIENCES APPLIQUEES
(32) Priority Date	:08/03/2013	DE TOULOUSE
(33) Name of priority country	:France	Address of Applicant :135 avenue de Rangueil F 31077
(86) International Application No	:PCT/IB2014/059308	Toulouse Cedex 4 France
Filing Date	:27/02/2014	2)CENTRE NATIONAL DE LA RECHERCHE
(87) International Publication No	:WO 2014/136023	SCIENTIFIQUE
(61) Patent of Addition to Application	:NA	3)UNIVERSITE PAUL SABATIER TOULOUSE III
Number	:NA	(72)Name of Inventor:
Filing Date	.IVA	1)RESSIER Laurence
(62) Divisional to Application Number	:NA	2)NERALAGATTA MUNIKRISHNAIAH Sangeetha
Filing Date	:NA	3)MOUTET Pierre

#### (57) Abstract:

The invention relates to a method for producing a directed monolayer or multilayer assembly of colloidal nanoparticles attached to an electret substrate including a step (4) of imparting a surface electric potential to an electret substrate according to a pattern of positive and/or negative electric charges and a step (6) of contacting an electret substrate with a colloidal dispersion. The colloidal dispersion comprises electrically neutral or near neutral and electrically polarizable colloidal nanoparticles and a non polarizing or weakly polarizing dispersion medium. The absolute value of the surface electric potential and the concentration of polarizable nanoparticles are no lower than a first surface electric potential threshold and no lower than a second concentration threshold respectively such as to obtain an assembly having a desired geometric shape at least the first layer of which is compact in terms of the absence of undesired gaps having sizes greater than the size of two adjacent nanoparticles preferably not greater than the size of one nanoparticle.

No. of Pages: 69 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7979/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/09/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PROTECTIVE GUARDRAIL FOR ROADS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:P201330308 :05/03/2013 :Spain :PCT/ES2013/070815 :25/11/2013 :WO 2014/135720 :NA :NA	(71)Name of Applicant:  1)SANCHEZ DE LA CRUZ Jose Manuel Address of Applicant: Avenida 308 E 08860 Castelldefels Barcelona Spain (72)Name of Inventor:  1)SANCHEZ DE LA CRUZ Jose Manuel
Filing Date	:NA :NA	

### (57) Abstract:

The guardrail which may take the form of various types of guardrails is noteworthy in that it includes an impact detector/indicator for indicating the location of the guardrail involved in an impact or accident and also for notifying the accident and the place where it occurred to a traffic control station or to public assistance personnel. The detector/indicator includes a convex protective plate (2) attached to the front of the guardrail (1) with which it is used said plate (2) protecting a connection box (3) and a tube (4) so as together to create a means for detecting and communicating the impact that occurred also having an indicator light (5) for flagging up the impact said indicator (5) being positioned on a support plate (6) secured above the protective plate (2).

No. of Pages: 18 No. of Claims: 13

# **CONTINUED TO PART- 2**

# **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3341/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/10/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention: AMORPHOUS FORM OF MACITENTAN AND PROCESS FOR PREPARATION THEREOF •

(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	:NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant: Zydus Tower, Satellite Cross Roads, Ahmedabad 380 015, Gujarat, India Gujarat India (72)Name of Inventor:  1)DESAI, Sanjay Jagdish 2)KHERA, Brij
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention provides an amorphous form of macitentan and processes for the preparation thereof.

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

(22) Date of filing of Application :20/10/2014

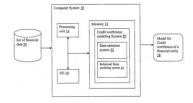
(43) Publication Date: 29/04/2016

# (54) Title of the invention: A SYSTEM FOR PREDICTING CREDIT WORTHINESS OF A FINANCIAL ENTITY BASED ON AN ENHANCED ADAPTIVE DATA MODEL AND HISTORICAL DATA ANALYTICS.

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of	:G06Q40/00, G06Q20/40, G06Q20/34, G07F :NA :NA	Address of Applicant: 128/1A KAILASCHANDRA PAUD ROAD, KOTHRUD, PUNE-411038, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:
priority country (86) International Application No	:NA :NA	1)MR. SHRIKANT R POPHALE 2)MS. SHILPA POPHALE
Filing Date (87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A system for predicting credit worthiness of a financial entity based on an adaptive enhanced data model using a set of attributes including at least one of: evaluation of depreciating assets; indirect social or indirect professional connection; interdependent multivariate analysis of various financial parameters; evaluation of business need for at least one asset The data model further includes parameterized customer background; business model parameters; asset specific parameters; quantified socio-geographical parameters and any combination thereof The data model further includes financial performance metrics including but not limited to macro-financial performance indicators, micro-financial performance indicators and temporal financial performance indicators. The data model further may include projected performance parameters for the financial entity. The invention includes a relational fuzzy modeling system that builds a relational fuzzy model for the selected financial parameters. The system based on the data model is further optimized for specific clusters, wherein the clusters are based on business needs including but not limited to business segment, scale and volume.



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

(22) Date of filing of Application :20/10/2014

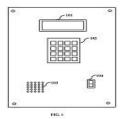
(43) Publication Date: 29/04/2016

# (54) Title of the invention : AUTOMATIC CONTINUOUS MONITORING AND CONTROL SYSTEM FOR LIQUEFIED PETROLEUM GAS (LPG) CYLINDERS

<ul> <li>(51) International 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>	:NA :NA	1)MR. MAYUR SHELKE Address of Applicant :S NO. 75, WONDER CITY, K-404, KATRAJ, PUNE-411046, INDIA Maharashtra India (72)Name of Inventor: 1)MR. MAYUR SHELKE 2)MR. GAURAV VIKHE 3)MR. SATYAVRAT WAGLE 4)MR. PRATEEK NAGRAS
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	5)MR. KAPIL MUNDADA

## (57) Abstract:

The present invention discloses a device that continuously monitors the weight of LPG cylinder and automatically sends an SMS to the LPG service provider when the quantity of the gas falls below a threshold. The device also monitors LPG cylinders continuously for gas leakage. The device monitors the weight of LPG, measures ambient temperature, operates count-down timer for automatic switching OFF of the stove and main power supply to the building when LPG leakage is detected. A microcontroller in the device, receives and processes the sensor inputs from the measurement modules, to determine the actions to be taken accordingly. A data logger module is provided to enable online data logging and trend identification operations. The present invention provides an automated and integrated solution to domestic LPG measurement and management.



No. of Pages: 46 No. of Claims: 9

(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: RECYCLED PLASTIC BRICKS

(51) International classification :C04B35/622, C08J5/00, C04B28/02 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International :NA Filing Date (87) International Publication :NO (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date :NA	(71)Name of Applicant:  1)RAVI KUMAR SAHU Address of Applicant: Q. NO G-1, GOVT. GIRLS POLYTECHNIC CAMPUS, BYRON BAZAR RAIPUR, CHATTISGARH, PIN. 492001 Chattisgarh India 2)SUBHAM BAGDE 3)ABDUL HASIM 4)NEELESH KURREY 5)ANIKET BANERJEE (72)Name of Inventor: 1)RAVI KUMAR SAHU 2)SUBHAM BAGDE 3)ABDUL HASIM 4)NEELESH KURREY 5)ANIKET BANERJEE
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## (57) Abstract:

This invention relates to bricks comprising recycled plastic grannules of Grade 2 and heat resistant chemical and a process for the production thereof.

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

(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF FLUTICASONE PROPIONATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07J3/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CADILA PHARMACEUTICALS LIMITED  Address of Applicant: Cadila Corporate Campus, Sarkhej  Dholka Road, Bhat, Ahmedabad 382210, Gujarat, India Gujarat India (72)Name of Inventor:  1)KADU Rushikesh Vilasrao  2)MODI Rajiv Indravadan  3)PADALKAR Tanaji Dnyanadev  4)GUDAPARTHI Omprakash  5)CHOWDHARY Anil Shankar  6)PANDIT Unnat Priyavadan
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# (57) Abstract:

The present invention relates to a process for preparation of Fluticasone Propionate having structural Formula-1 with substantially free of ester impurity.

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

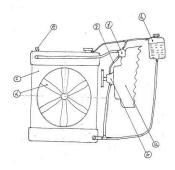
(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: NOVEL ENGINE COOLING MODULE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)VIVEK ADYANTHAYA
(32) Priority Date	:NA	Address of Applicant :B/1001, NECO SKYPARK. VISHAL
(33) Name of priority country	:NA	NAGAR, PIMPLE NILAKH, PUNE-411 027,
(86) International Application No	:NA	MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIVEK ADYANTHAYA
<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:

The invention is for a novel Engine Cooling Module of an interna! combustion engine, which includes a unique construction of the radiator with a built in electrical water pump and an electrical cooling fan. It also describes a speed control strategy for the fan and water pump in order to ensure correct coolant temperature using minimum amount of energy consumed by fan and water pump. This invention also eliminates the need for a thermostat and bypass pipes.



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

(22) Date of filing of Application :24/10/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention : SOLAR D.C. HEATER.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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)PRAMOD SHANKARRAO JOSHI Address of Applicant: VENKATESH NAGAR, FLAT NO. A/13/14, NEAR KDK COLLEGE, NANDANVAN ROAD, NAGPUR-440 009, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor: 1)PRAMOD SHANKARRAO JOSHI
<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	1)PRAMOD SHANKARRAO JOSHI

### (57) Abstract:

Today different type of A.C. Heater are used but we pay heavy electrical bill, for gas, geyser, again LPG Gas, it is costly. Our invention produce a new solar D.C. Heater, it function on solar energy and inverter kit with battery supply. This produce large amount of heat. We also made provision to get mobile solar generator where till electricity not react. In our invention, inverter is the heart of our device in which D.C. converted into A.C. It consume power in watt. Therefore according to our requirement we can change rating of Battery & Inverter& load across it we use. Induction method (10) which use in transformer for step up & step down Voltage the current is converted into heat (eddy Current). It is found that our invention is very useful in Solar field

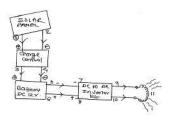


FIG: 1

No. of Pages: 7 No. of Claims: 3

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: Electronic ticketing machine using GSM

(71)Name of Applicant: (51) International :G06Q20/3278, G08G1/14, G07F17/24, G06 1)Sandip FoundationTMs Sandip Institute of Technology & classification (31) Priority Research Centre :NA Document No Address of Applicant :Sandip institute of Technology & (32) Priority Date Research Centre, Mahiravani, Trimbak road, Nashik, Maharashtra :NA (33) Name of priority :NA Maharashtra India country (72) Name of Inventor: (86) International 1)Prof.J.A.Patel :PCT// Application No 2)Priya Pawar :01/01/1900 Filing Date 3) Yamini Kapdnis (87) International 4)Sonali Vargude : NA Publication No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

### (57) Abstract:

ABSTRACT Technological approaches for ticketing system is at development level. Previous studies have developed current ticketing system but it is not convenient. Problems such as balance amount, lost ticket, makes people to hesitate travel in bus and train. This system uses money value effectively. Also recharge facilities available in the system. The system can be used in all places were frequent tickets have to be issued like bus, train etc. The customer can recharge his account whenever required and the burden of standing in a line is also reduced. Purpose of such system is to advance the ticketing system which will solve problems of common man. By using EEPROM system becomes more reliable, effective, and efficient. In this paper, we are introducing advanced feature that it reduces paper wastage which makes it eco-friendly. Following invention is described in detail with the help of Figure 1 of sheet 1 showing block diagram of electronic ticketing machine and Figure 2 of sheet 2 showing the sequence diagram.

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

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

(54) Title of the invention: Milk analyzer

(51) International classification	:G01N22/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Sandip Foundation™s Sandip Institute of Technology &
(32) Priority Date	:NA	Research Centre
(33) Name of priority country	:NA	Address of Applicant :Sandip institute of Technology &
(86) International Application No	:PCT//	Research Centre, Mahiravani, Trimbak road, Nashik, Maharashtra
Filing Date	:01/01/1900	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Prof.G.M.Phade
Filing Date	:NA	2)Ashwini Nathe
(62) Divisional to Application Number	:NA	3)Pooja Khalkar
Filing Date	:NA	4)Priyanka Aher

#### (57) Abstract:

ABSTRACT Present invention provides a system which will be going to change the lifestyle of Indian farmer and milk collection system. Agriculture is backbone of our country and dairy farming is joint business of Indian farmer. The Dairy industry in India is generally co-operative. The primary milk provided to the dairy is farmers. Since more number of farmers is depositing their milk in the dairy, it is a daily task of the dairy to assess the quality of milk from each farmer, verify it & meets the quality norms specified and make payments based on quality and quantity of milk. Though several tests are available for quality assessment of milk like the content of protein, water, detergent, lactose etc. Here the present invention use the fat content test, PH measurement and to judge milk quality. Milk quality is milk produced to predetermined standards. Measurements such as bacteria levels, somatic cell count, butterfat, protein and others are dependent upon management strategies implemented in the milking parlor. Following invention is described in detail with the help of Figure 1 of sheet 1 showing block diagram of milk analyzer and Figure 2 of sheet 2 showing block diagram of pH probe electrode.

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

(21) Application No.3394/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A DRYING AID FOR A REDISPERSIBLE POLYMER POWDER

(51) International classification	:C04B40/00, C08L61/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ADITYA BIRLA SCIENCE AND TECHNOLOGY
(32) Priority Date	:NA	COMPANY LIMITED
(33) Name of priority country	:NA	Address of Applicant :ADITYA BIRLA CENTRE, 2ND
(86) International Application No	:PCT//	FLOOR, C WING, S K AHIRE MARG, WORLI, MUMBAI
Filing Date	:01/01/1900	400025, INDIA Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)MEDHI, MRIDUL
Number	:NA	2)SINGH, MADAN KUMAR
Filing Date	.NA	3)THAKAR, MAHESH RAMCHANDRA
(62) Divisional to Application Number	:NA	4)KOKATE, SANTOSH PANDURANG
Filing Date	:NA	

# (57) Abstract:

ABSTRACT A DRYING AID FOR A REDISPERSIBLE POLYMER POWDER A drying aid for a redispersible polymer powder is disclosed. The drying aid is a formaldehyde condensate of substituted alkoxy benzene sulfonic acid. A process for preparing the drying aid is also disclosed. Further, a redispersible powder including the drying aid is disclosed.

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

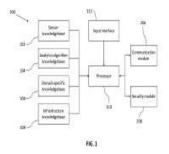
(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MODEL-DRIVEN DEVELOPMENT FRAMEWORK FOR INTERNET OF THINGS (IOT)

(51) International classification	:G06F9/44	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MUKHERJEE, Arijit
(87) International Publication No	: NA	2)CHATTOPADHYAY, Tanushyam
(61) Patent of Addition to Application Number	:NA	3)PAL, Arpan
Filing Date	:NA	4)P., Balamurli
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An MDD based method and system for developing an application for an IoT platform has been disclosed. Initially, a plurality of input specifications are provided corresponding to the application to be developed. Based on the input specifications and other criteria, a sensor is selected from a sensor knowledgebase, at least one algorithm is retrieved from the analytics algorithm knowledgebase corresponding to each step of the sensor signal processing, a domain specific information is retrieved from a domain specific knowledgebase and infrastructure related information is retrieved from the infrastructure knowledgebase. The information retrieved from all the knowledgebase is then processed by a processor and optimized recommendations are generated. Based on the optimized recommendations, the application is deployed on the IoT platform. In another embodiment, the invention also provides a system for developing the application for IoT platform using the above mentioned method.



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

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ESTIMATING HEART RATE

(51) International classification	:A61B5/024, A61B5/11	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VISVANATHAN, Aishwarya
(87) International Publication No	: NA	2)PAL, Arpan
(61) Patent of Addition to Application	:NA	3)SINHA, Aniruddha
Number	:NA	4)BANERJEE, Rohan
Filing Date	:NA	5)DUTTA CHOUDHURY, Anirban
(62) Divisional to Application Number	:NA	6)MISHRA, Aditi
Filing Date	:NA	7)GHOSE, Avik

### (57) Abstract:

A physiological parameter measurement device (100) comprising a processor (102) and a video processing module (110) coupled to the processor (102) to divide each of a plurality of frames of a video into a plurality of blocks, where the video is of a body part of a subject whose physiological parameter is to be determined. The video processing module (110) further is to select a block having highest peak signal to noise ratio (PSNR) from amongst the plurality of blocks. Further, the video processing module (110) is to extract a photoplethysmogram (PPG) signal from the video based on a block identifier associated with the block. The physiological parameter measurement device (100) further comprises a signal enhancement module (112) coupled to the processor (102), to process the PPG signal to obtain an enhanced PPG signal for determining a value of the physiological parameter for the subject.

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

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: RECOMMENDATION ENGINE

<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)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant: Nirmal Building, 9th Floor, Nariman
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	Point, Mumbai, Maharashtra 400021 Maharashtra India (72)Name of Inventor:
Filing Date	:NA	1)CHACKO, Viju
(87) International Publication No	: NA	2)RAMASWAMY, Satyanarayanan
(61) Patent of Addition to Application Number	:NA	3)SARKAR, Shampa
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method for providing recommendations for customers is described. The method comprises obtaining transaction data associated with one or more products being purchased by a customer. The method further comprises generating a customer household graph, wherein the customer household graph comprises a customer household node associated with the customer, a product superset node, and one or more product nodes associated with the product superset node. Further, at least one product metadata node associated with each of the one or more product nodes is determined. Further, at least one user node is associated with the customer household node based on the at least one product metadata node. Further, a user group node associated with the customer household node is determined based on the at least one user node. Further, one or more recommendations to be provided to the user are ascertained.

No. of Pages: 42 No. of Claims: 17

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: KNOWLEDGE REPRESENTATION IN A MULTI-LAYERED DATABASE

(51) International classification :G061 (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 Filing Date :NA Filing Date :NA	N5/02, G06N5/00  (71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 Maharashtra India (72)Name of Inventor:  1)RAMASWAMY, Satyanarayan 2)CHACKO, Viju 3)PADMARAJ, Ravi 4)SARKAR, Shampa
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#### (57) Abstract:

Knowledge representation in a multi-layered database includes systems and methods for storing and retrieving data in the multi-layered database. The multi-layered database includes an object database layer that stores objects corresponding to real world entities and each object is associated with object properties, object relationships, and relationship properties. Underlying the object database layer is a graph database layer that stores nodes, node properties associated with the nodes, edges, and edge properties associated with the edges, wherein the nodes correspond to objects, node properties are indicative of the object properties, the edges are indicative of the object relationships, and the edge properties are indicative of the relationship properties of the object. Further, underlying the graph database layer is a backend database layer that stores corresponding data and metadata. Data can be stored and retrieved from the multi-layered database by composing and decomposing information between layers.

No. of Pages: 60 No. of Claims: 36

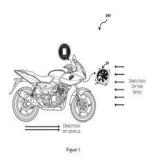
(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: VEHICLE MOUNTED RENEWABLE CHARGING SYSTEM

(51) International classification	:B60L11/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Akshay Potnis
(32) Priority Date	:NA	Address of Applicant :Flat No. A-201, Greenfield™s Society,
(33) Name of priority country	:NA	Vishalnagar, Pimple Nilakh, Pune-411027, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	2)Harshavardhan Pandit
(87) International Publication No	: NA	3)Siddharth Deshpande
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Akshay Potnis
(62) Divisional to Application Number	:NA	2)Harshavardhan Pandit
Filing Date	:NA	3)Siddharth Deshpande

## (57) Abstract:

The present invention relates to a vehicle mounted renewable charging system (100). The vehicle mounted renewable charging system comprises of a fan (10), a printed circuit board (PCB) (50) and a universal serial bus cable (60) operably connected with each other. The PCB (50) includes a rectifying circuit (20), an amplifier (30) and a regulator (40) configured thereon in operable connection with each other. The vehicle mounted renewable charging system (100) is a portable system with a compact design that uses a renewable energy source like wind energy for charging portable electronic device like mobile phones in areas ranging from low to high traffic density. Figure 1



No. of Pages: 15 No. of Claims: 3

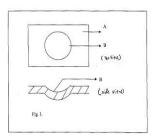
(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: SMART DIMPLE

(51) International classification	·H01R13/46 H01R24/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PATIL ATUL ASHA-PRABHAKAR
(32) Priority Date	:NA	Address of Applicant :ATUL PRABHAKAR PATIL, C/O.
(33) Name of priority country	:NA	P.O. PATIL, VINAYAK COMPLEX, NEAR VADODE
(86) International Application No	:NA	HOSPITAL, NEAR JALAMB NAKA, KHAMGAON-444303,
Filing Date	:NA	DIST. BULDHANA, MAHARASHTRA, INDIA. Maharashtra
(87) International Publication No	: NA	India
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)PATIL ATUL ASHA-PRABHAKAR
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Dimple on one side improves the heat transfer characteristics while on another side loses on account of the flow characteristics. The dimple which improves both the heat transfer characteristics as well as the flow characteristics is disclosed in this invention. The dimples which enhance the performance of the heat exchanger are also presented. This invention also provides a Sticker that accomplishes this task by providing dimple and/or protrusion on its heat transfer surface. The invention that provides dimples, dimple(s)-in-dimple, protrusion(s)-in-dimple and dimple(s)-in-protrusion of reactive and/or non-reactive substance on fluid facing surface on a Sticker S; a self-adhesive sheet/lamina, which is to be pasted on the real heat-transfer surface Z. The Sticker S is a sheet/lamina of an adhesive material (plain adhesive substance or adhesive substance mixed with the particles or filaments) having 2 surfaces A and Y. The surface A could be wrapped into a wrapper (of any type) to protect it before its use or in between its different usages. The surface A is to be made in contact with the fluid F for the heat-transfer. The surface Y is sticky in nature and is used to paste the Sticker S to the real heat-transfer surface Y is covered with a lid L. While making the use of this Sticker S, the lid L is removed, the surface Y is pasted on the real heat-transfer surface Z and the surface A is made in contact with the fluid F. Surface A of the Sticker S is skin-prepared from a large number dimples, dimple(s)-in-dimple, protrusion(s)-in-dimple and dimple(s)-in-protrusion of reactive and/or non-reactive substance. With this Sticker S, heat-transfer augmentation takes place because of the dimples, dimple(s)-in-dimple, protrusion(s)-in-dimple and dimple(s)-in-protrusion. With this Sticker the engineers/technocrats get more and even heat transfer.



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

(22) Date of filing of Application :22/10/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : USER DRIVEN SMARTPHONE SCHEDULING ENHANCEMENT FOR RUNNING DATA ANALYTICS APPLICATION

(51) International classification (31) Priority Document No	:G06F3/048 :NA	(71)Name of Applicant: 1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEY, Swarnava
(87) International Publication No	: NA	2)MUKHERJEE, Arijit
(61) Patent of Addition to Application Number	:NA	3)DATTA, Pubali
Filing Date	:NA	4)MUKHERJEE, Himadrisekhar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Methods and devices for controlling execution of a data analytics application (306) on a computing device (400) are described. The computing device (400) includes an alert app (412) to prompt a user on system load and to recommend the user for proactively controlling the execution of a set of processes to reclaim computational resources (402, 406, 506, 508, 510, 512) required for execution of the data analytics application (306) on the computing device (400).

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

(22) Date of filing of Application :22/10/2014

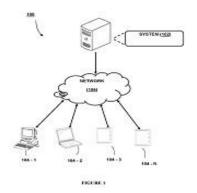
(43) Publication Date: 29/04/2016

# (54) Title of the invention : INTEGRATED CROP QUALITY MANAGEMENT SYSTEM AND METHOD FOR CROP CERTIFICATION

(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	:A01D91/00, A01B79/00, A01M1/02 :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 Maharashtra India (72)Name of Inventor:  1)SINGH, Dineshkumar Jang Bahadur 2)KULKARNI, Sonali Vasant 3)KIMBAHUNE, Sanjay M
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#### (57) Abstract:

A method and system is provided for integrated crop quality management and crop certification comprises of selecting a geographical area for growing a crop, auto assisting a user to select a crop certification of the selected geographical area, generating a customized crop protocol and training calendar ,enabling implementation of the steps involved in growing the crop ,adapting to crop compliance of the crop in the selected geographical area, generating a plurality of periodic compliance alerts for different stages of the crop for growth monitoring, tracking a plurality of action items depicting goals on the generated periodic alerts to maintain a crop compliance business logic of the crop, generating a crop certification compliance score and index for the crop compliance certificate of the crop, transferring the crop certification compliance score and index to the certifying agency for validating and generating a crop compliance certificate.



No. of Pages: 24 No. of Claims: 13

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DRY PLATE CLUTCH FOR A VEHICLE TRANSMISSION

(51) International classification :F16D25/08,F16D21/06,F16D13/71

(31) Priority Document No :61/696338 (32) Priority Date :04/09/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2013/002637

Filing Date :03/09/2013

(87) International Publication

:WO 2014/037098

(61) Patent of Addition to Application Number :NA :NA

(71)Name of Applicant:

1)VOLVO TRUCK CORPORATION

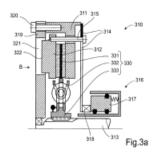
Address of Applicant :c/o Volvo Business Service AB Avd.

501842 ARHK5 S 405 08 Gteborg Sweden Sweden

(72)Name of Inventor: 1)HEDMAN, Anders

### (57) Abstract:

The invention relates to a dry plate clutch (single or dual) (310; 410; 510a) of inverted construction for a vehicle transmission comprising a clutch structure (311; 411; 511) with a connecting device (319; 419; 519) arranged to be connected to a prime mover; a pressure plate (312; 412; 512a) rotationally fixed and axially displaceable relative to the clutch structure (311; 411; 511) and a driven disc (331; 431; 531a) connected to a driven shaft (313; 413; 513a) and located between the clutch structure (311; 411; 511) and the pressure plate (312; 412; 512a). An actuator means (316; 416; 516a) is arranged to displace the pressure plate (312; 412; 512a) between an engaged state where the driven disc (331; 431; 531 a) is clamped between the clutch structure (311; 411; 511) and the pressure plate (312; 412; 512a) and a disengaged state where the disc (331; 431; 531 a) is rotatable relative to the clutch structure (311; 411; 511) The connecting device (319; 419; 519) has hollow sections (39h 49h) at a number of angular locations extending into a radial surface facing the pressure plate (312; 412; 512a). The pressure plate (312; 412; 512a) has corresponding axially extending protrusions (322; 422; 522) in a radial surface facing the connecting device (319; 419; 519); and the protrusions (322; 422; 522) at least partially extend axially into the hollow sections (321; 421; 521) in the disengaged state.



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

(22) Date of filing of Application :20/10/2014

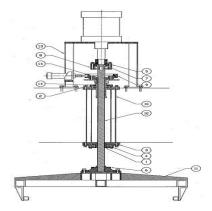
(43) Publication Date: 29/04/2016

# (54) Title of the invention: MULTI-PURPOSE GAMMA RADIATION PROCESSING PLANT WITH FOUR SIDE IRRADIATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G21K5/04, G21K1/093 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)VAS ANANTH  Address of Applicant: SYMEC ENGINEERS (INDIA) PVT.  LTD. A - 86, TTC INDUSTRIAL AREA, KHAIRNE MIDC,  THANE-BELAPUR ROAD, NAVI MUMBAI - 400 705  Maharashtra India (72)Name of Inventor:  1)VAS ANANTH
Filling Date	.IVA	

## (57) Abstract:

Provided is multi-purpose industrial gamma radiation processing plants designed for four sided irradiation and operation in both batch and continuous mode.



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

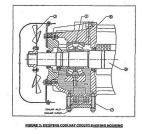
(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AN IMPROVED BEARING HOUSING WITH ENHANCED COOLING SYSTEM.

(51) International classification	:F01D25/16, F02B39/16, F02C7/12, F02B3	(71)Name of Applicant: 1)KSB TECH PVT. LTD.
(31) Priority Document No	:NA	Address of Applicant :GODREJ CASTLEMAINE, 2ND FLOOR, BUND GARDEN ROAD, PUNE-411001 Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor: 1)KIRAN OSWAL
(86) International Application No Filing Date	:NA :NA	2)GAUTAM SARKAR
(87) International Publication No (61) Patent of	: NA	
Addition to	:NA	
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An improved bearing housing (1) comprising a jacket with intermediate baffles for flow guidance enveloping a bearing housing (1) for providing large heat transfer area when the bearing housing (1) is made double walled on its side creating a gap in between the walls for circulation of coolant. A splash ring with scooper (10) is disposed in the bearing housing for effecting better lubrication and cooling of the bearing in the oil sump. The splash ring (10) has grooves on the circumference and axial holes on its surface for facilitating scooping the oil from the bottom of their dipping point and for splashing in the upper portion of the bearing housing for better lubrication and cooling of the bearing housing at the time when the shaft mounted ring (10) rotates. New cooling inserts (4) having concentric circular chambers with vertical baffles (12) at regular intervals are disposed in the bearing housing (1) for ensuring the entire cavity of the new cooling insert (4) being always filled with coolant and allowing that coolant to enter into the new coolant insert (4) from the outside periphery to move gradually towards the center through concentric circular passages when fins are provided on the top surface of the new cooling inserts (4) protruding into the oil sump for causing increased heat transfer from the hot oil to the coolant.



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

(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR SECURE SESSION ESTABLISHMENT AND ENCRYPTED EXCHANGE ON DATAGRAM TRANSPORT

(51) International classification :G06F7	/04 (71)Name of Applicant :
(31) Priority Document No :NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date :NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country :NA	Point, Mumbai 400 021, Maharashtra, India. Maharashtra India
(86) International Application No :PCT//	(72)Name of Inventor:
Filing Date :01/01/1	900 1)BHATTACHARYYA, Abhijan
(87) International Publication No : NA	2)BOSE, Tulika
(61) Patent of Addition to Application Number :NA	3)BANDYOPADHYAY, Soma
Filing Date :NA	4)UKIL, Arjit
(62) Divisional to Application Number :NA	5)PAL, Arpan
Filing Date :NA	

### (57) Abstract:

A system(s) and method(s) for secure session establishment and secure encrypted exchange of data is disclosed. The system satisfies authentication requirement of general networking/ communication systems. It provides an easy integration with systems already using schemes like DTLS-PSK. The system follows a cross layer approach in which session establishment is performed in a lightweight higher layer like the application layer. The system then passes resultant parameters of such session establishment including the session keys to a lower layer. The lower layer like the transport layer is then used by the system to perform channel encryption to allow exchange of encrypted data based on a cross layer approach, over a secure session. As the exchange of data becomes the responsibility of the lower layer like the transport layer, the data is protected from replay attacks since the transport layer record encryption mechanism provides that kind of protection. Fig.1

No. of Pages: 34 No. of Claims: 33

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

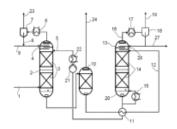
## (54) Title of the invention: METHOD FOR SEPARATING ACID GASES FROM AN AQUEOUS FLOW OF FLUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:19/08/2013 :WO 2014/037214 :NA :NA	(71)Name of Applicant:  1)BASF SE Address of Applicant:67056 Ludwigshafen Germany Germany (72)Name of Inventor:  1)KATZ, Torsten 2)BARTLING, Karsten
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for separating acid gases from an aqueous flow of fluid is described according to which method a) the aqueous flow of fluid is brought into contact in an absorption area with an absorbent which contains at least one amine wherein a deacidified flow of fluid and an absorbent charged with acid gases are obtained; b) the deacidified flow of fluid is brought into contact in a washing area with an aqueous washing fluid in order to transfer at least partially carried amine into the washing fluid wherein a deaminated deacidified flow of fluid and an amine charged washing fluid are obtained; c) the deaminated deacidified flow of fluid is cooled downstream of the washing area wherein an absorber top condensate is condensed out of the deaminated deacidified flow of fluid; d) the charged absorbent is guided into a desorption area in which the acid gases are at least partially released wherein a regenerated absorbent and desorbed acid gases are obtained; e) the regenerated absorbents are guided back into the absorption area in order to form an absorbent cycle; f) the amine charged washing fluid and the absorber top condensate are introduced into the absorbent cycle; and g) the desorbed acid gases are guided through a reinforcement area and the acid gases coming out of the top of the reinforcement area are cooled in order to condense a desorber top condensate out of the acid gases which desorber top condensate is partially guided back into the reinforcement area and is partially guided out of the method. The method allows an efficient retention of amines from the treated flows of fluid while maintaining the water balance of the acid gas removal installation.





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

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SPINNING-MILL PREPARING MACHINE WITH A CONTROL APPARATUS

(51) International classification :D01H13/32, D01H5/32 (71)Name of Applicant : (31) Priority Document No :102005001995.1 1)RIETER INGOLSTADT GMBH (32) Priority Date :15/01/2005 Address of Applicant :FRIEDRICH-EBERT-STR. 84, 85055 INGOLSTADT, GERMANY Germany (33) Name of priority country :Germany (86) International Application No (72) Name of Inventor: :NA Filing Date :NA 1)Dr. Chokri Cherif (87) International Publication No : NA (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :37/MUM/2006 Filed on :10/01/2006

### (57) Abstract:

Title: Spinning-Mill Preparing Machine with a Control Apparatus A method is suggested for operating a spinning-mill preparing machine (1) with a control apparatus (20), especially a draw frame, card or combing machine, in which a running fiber structure (FV) is conducted through a measuring area (26, 26TM,33) of a measuring apparatus (25, 25TM, 32) and a measuring signal (S(t); Sa(t), Se(t)) is generated that represents the length-specific mass (M) of the fiber structure (FV) located in the measuring area (26, 26TM,33), in which a corrected measuring signal (SK(t); SKa(t), SKe(t)) is generated in that a correction value (K0, K1, K2; Ka, Ke) is added to the measuring signal (S(t); Sa(t), Se(t)), and in which the determination of the correction value (K0, K1, K2; Ka, Ke) takes place by the following steps controlled by the control apparatus (20) of the spinning-mill preparing machine (1): - The fiber structure (FV) is removed from the measuring area (26, 26TM,33) by pneumatic and/or mechanical means (27, 13, 14; 28), - Then, an empty measuring is performed, and - The correction value (K0, K1, K2; Ka, Ke) is calculated in that the empty measuring value obtained in this manner (SL0, SL1, SL2) is subtracted from a theoretical value (SLSoll) of the measuring signal (S(t); Sa(t), Se(t)) which value is predefined for an empty measuring.

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

(22) Date of filing of Application :20/10/2014

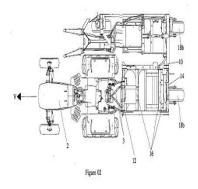
(43) Publication Date: 29/04/2016

# (54) Title of the invention: A POSITION ADJUSTMENT ARRANGEMENT.

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	:D21C7/06, D21C, B65G53/08, B65G53/46 :NA :NA :NA	(71)Name of Applicant:  1)DEERE & COMPANY Address of Applicant: ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265-8098, USA U.S.A. (72)Name of Inventor: 1)JAIN NAVIN 2)JOHANNSEN DANIEL J
(86) International Application No Filing Date (87) International Publication No (61) Patent of	:NA :NA	3)HADGE SANDEEP R
Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

### (57) Abstract:

The present invention discloses position adjustment arrangement for a harvester (1) adapted to operate in varying row width of crop to be harvested. The harvester (1) supported on a frame (10), defined by a front beam (12) and a rear beam (14) having a plurality of intermediate beam (16) disposed therebetween. The frame (10) cooperates with a hitch (3) of a tractor (2) and at least one pair of castor wheel (18a, 18b) via at least one connector. The position adjustment arrangement is facilitated by aligning a plurality of set of coupling openings defined on at least one of the intermediate beam (16) with a plurality of connecting openings defined on at least one connector via coupling means. A clamping arrangement is also provided to rigidly clamp at least a portion of the frame (10) to said connector.



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

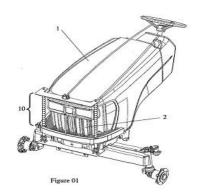
(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A CLEANING 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> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)DEERE & COMPANY  Address of Applicant: ONE JOHN DEERE PLACE,  MOLINE, ILLINOIS, 61265-8098, USA 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>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA : NA :NA :NA :NA	(72)Name of Inventor: 1)UNDURE PRAFULL 2)YADAV PANKAJ

### (57) Abstract:

The present invention discloses a cleaning mechanism for cleaning a surface 2. The cleaning mechanism comprises a cleaning unit mounted on a frame restrictively displaceable on the surface by means of a displacement arrangement. During operation of the cleaning mechanism, the. frame is displaced in a guided manner by a guiding means.



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

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: NANOPARTICULATE FORMULATION COMPRISING A TRPA1 ANTAGONIST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K9/16,A61K9/51 :2090/MUM/2013 :20/06/2013 :India :PCT/IB2014/062462 :20/06/2014 :WO 2014/203210 :NA :NA	(71)Name of Applicant:  1)GLENMARK PHARMACEUTICALS S.A. Address of Applicant: Chemin de la Combeta 5 2300 La Chaux de Fonds Switzerland CH 2300 Switzerland Switzerland (72)Name of Inventor: 1)DHUPPAD, Ulhas 2)CHOUDHARI SUNIL 3)RAJURKAR, Suresh 4)JAIN, Nilesh
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a nanoparticulate formulation comprising a transient receptor potential ankyrin 1 receptor (TRPA1) antagonist. Particularly the present invention relates to a nanoparticulate formulation comprising a thienopyrimidinedione derivative as a TRPA1 antagonist and a surface stabilizer; a process for preparing such formulation; and its use in treating a respiratory disorder or pain in a subject.

No. of Pages: 34 No. of Claims: 31

(21) Application No.3380/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ONLINE SEAMEN TRAVEL TICKET BOOKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06G7/00, G06F17/00 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA	(71)Name of Applicant:  1)Varsha Aurangabadkar  Address of Applicant:10, Astoria, East Avenue, Santacruz  West, Mumbai - 400054, India Maharashtra India (72)Name of Inventor:  1)Varsha Aurangabadkar
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed herein are a method and a system for facilitating seamen ticket booking. The system provides means for the user to specify requirements and book tickets. The system, by contacting associated service providers, identifies suitable flight schedule from an airport which is nearest to the location mentioned by the user. Upon identifying at least one suitable schedule, details of the same are sent to the user, and any other authorized person who may be monitoring the userTMs actions. Upon getting approval, the system books ticket and send confirmation and other details to the user. The system also provides visa requirement related information to the user, and allows filing of visa request online. Fig. 1

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

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : APPARATUS FOR MEASURING CO-EFFICIENT OF KINETIC FRICTION BETWEEN TWO SURFACES

		(71)Name of Applicant:
(51) International classification	:G01N19/02	1)Siddharth Sudhir Banerjee
(31) Priority Document No	:NA	Address of Applicant :Lalita mahal, Flat No 3, Nilgiri Lane,
(32) Priority Date	:NA	Baner road, Aundh, Pune 411007, Maharashtra, India Maharashtra
(33) Name of priority country	:NA	India
(86) International Application No	:PCT//	2)Sarang Sahebrao Junghare
Filing Date	:01/01/1900	3)Shreyas Bhalchandra Kulkarni
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Siddharth Sudhir Banerjee
Filing Date	:NA	2)Sarang Sahebrao Junghare
(62) Divisional to Application Number	:NA	3)Shreyas Bhalchandra Kulkarni
Filing Date	:NA	4)Harsh Suresh Agarwal
-		5)Shrikant Sudhakar Arale

## (57) Abstract:

ABSTRACT TITLE.: APPARATUS FOR MEASURING CO-EFFICIENT OF KINETIC FRICTION BETWEEN TWO SURFACES An apparatus for measuring coefficient of friction is disclosed that includes a scale for indicating the coefficient of friction between a first test block and a second test block. The second test block is constrained between two opposed columns by a plurality of springs on both ends of the second test block. Mass in a pan is increased till the second test block attains equilibrium. The deflection of the second test block at the time of equilibrium indicates the coefficient of friction between the two surfaces of the two blocks.

No. of Pages: 18 No. of Claims: 7

(22) Date of filing of Application :23/10/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention: HIGH STRENGTH AND HIGH TEMPERATURE-CURABLE EPOXY ASPHALT PAVING MIXTURE AND CONSTRUCTION METHOD THEREOF

(51) International :C08K3/04, C08K5/13, C08K3/22, C08L95/

classification

(31) Priority :10-2014-0142279

Document No

:21/10/2014

: NA

(32) Priority Date (33) Name of priority :Republic of Korea

country

(86) International :NA Application No

:NA Filing Date

(87) International

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)HANSOO ROAD INDUSTRY CO., LTD.

Address of Applicant: 6-20, Yuseong-daero 1205beon-gil, Yuseong-gu, Daejeon, 305-155 Republic of Korea Republic of

(72) Name of Inventor:

1)Park, Jeong Ho

2)KIM, Young Ik

3) Choi, Sang Goo

4)KIM, Myung Chan

### (57) Abstract:

The present invention relates to an epoxy resin composition for asphalt, which exhibits improved stability, dynamic stability, plastic deformation resistance and the like, and an epoxy asphalt composition using the same. More particularly, the present invention relates to an epoxy resin composition including: a diglycidyl ether bisphenol-A type epoxy resin, which has a weight average molecular weight of 300 to 1,500 and includes at least 2 reactive epoxide groups, and a phenol novolac polyglycidyl ether epoxy resin, which has a weight average molecular weight of 500 to 2,000 and includes at least 2.2 reactive epoxide groups, and the like as a main material; and a rubber-modified polyamide resin, which is prepared by reacting a dibasic acid and a diamine with 20% to 30% of a polybutadiene rubber including a carboxyl group at both ends of a molecule thereof having a weight average molecular weight of 4000 to 5000, as a curing agent. In addition, the present invention relates to a method for preparing and constructing a heating type epoxy asphalt paving mixture in which the epoxy resin composition is mixed with a straight asphalt binder, coarse aggregates, crushed sand and fillers.

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

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AQUEOUS COMPOSITION FOR FORMING A HYDROPHOBIC COATING

(51) International classification :C09D183/02,C08G77/02 (71)Name of Applicant : (31) Priority Document No 1)UNILEVER PLC :PCT/CN2012/083818 (32) Priority Date Address of Applicant: a company registered in England and :31/10/2012 (33) Name of priority country Wales under company no. 41424 of Unilever House 100 Victoria :China (86) International Application No Embankment London Greater London EC4Y 0DY U.K. :PCT/EP2013/071314 Filing Date :11/10/2013 (72) Name of Inventor: (87) International Publication No :WO 2014/067766 1)LI jinyong (61) Patent of Addition to Application 2)TAQ Qingsheng :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

141Disclosed is a process for manufacturing a coating composition wherein the process comprises the steps of: (i) forming a reaction mixture comprising water and first quaternary silane wherein the first quaternary silane has formula (I) Si(R) wherein each R is independently selected from alkoxy and halogen; and (ii) hydrolyzing the reaction mixture under basic conditions; and then (iii) continuing the hydrolysis under acidic conditions; and then (iv) diluting the reaction mixture with an aqueous liquid to yield the coating composition comprising at least 50% water by weight of the coating composition.

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

(21) Application No.3376/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: IMPROVED PROCESS FOR SYNTHESIZING DIPHENYL SULFONE DERIVATIVES

(51) International classification	:C07D213/50	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GHARDA CHEMICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :B-27/29, MIDC Dombivli (East), Thane
(33) Name of priority country	:NA	421203, Maharashtra, India. Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)GHARDA KEKI HORMUSJI
(87) International Publication No	: NA	2)MATHUR SUCHET SARAN
(61) Patent of Addition to Application Number	:NA	3)BHATIA PRAVEEN R
Filing Date	:NA	4)CHAVAN KAILAS A
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

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

The present disclosure relates to a process for the synthesis of diphenyl sulfone derivatives from o-xylene, without the use of catalysts.

(22) Date of filing of Application :22/10/2014

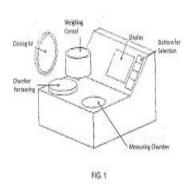
(43) Publication Date: 29/04/2016

# (54) Title of the invention : AN INSTRUMENT FOR PREDICTING SHELF LIFE OF FRUITS AND THE METHOD OF MEASUREMENT 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>	:NA :NA :NA	(71)Name of Applicant: 1)KALYANA SUNDARAM Address of Applicant:FLAT NO. 14, AM COMPLEX, 161, RASTA PETH, PUNE 411 011 (INDIA) Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KALYANA SUNDARAM
(87) International Publication No	: NA	2)BHOSALE AJIT ASHOK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

he present invention provides an instrument for predicting shelf life of fruits and the method of measurement of the present invention comprises a cabinet to adapt ably accommodate the components of the said instrument, embedded in the said cabinet a measuring chamber, a reference chamber, a detachable closing lid, a weighing console, an electronic display for visual display of readings and plurality of buttons for selection and a microprocessor connected to all the chambers through interfaces and sensors connected to the all the chambers. The shelf life is determined as per the formula given herein.



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

(21) Application No.3378/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/10/2014

(43) Publication Date: 29/04/2016

# (54) Title of the invention : IMPROVED PROCESS FOR PREPARING 4,4'-BIPHENOL BY BIARYL COUPLING OF 4-BROMOPHENOL

(51) International (71) Name of Applicant: :C07C63/333, C07B37/04, C07C51/347, C0 classification 1)GHARDA CHEMICALS LIMITED (31) Priority Address of Applicant :B-27/29, MIDC Dombivli (East), Thane :NA Document No 421203, Maharashtra, India. Maharashtra India (72) Name of Inventor: (32) Priority Date :NA (33) Name of priority :NA 1)MATHUR SUCHET SARAN country 2)MALWANKAR JAGDISH R (86) International 3)MHATRE HRIDAYNATH V :PCT// Application No 4) JAWALE DINESH J :01/01/1900 Filing Date (87) International : NA 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 disclosure relates to the process of preparation of 4,4TM-biphenol, wherein p-bromophenol is subjected to biaryl coupling reaction using at least one base along with Pd/C as a catalyst and at least one reducing agent selected from hydroxylamine sulfate [(NH2OH)2H2SO4] and hydroxylamine hydrochloride followed by acidification to obtain 4,4TM-biphenol.

No. of Pages: 17 No. of Claims: 14

(21) Application No.3379/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/10/2014

(43) Publication Date: 29/04/2016

## (54) Title of the invention: PHARMACEUTICAL TABLET COMPOSITIONS COMPRISING RIFAXIMIN

(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	:NA	(71)Name of Applicant:  1)STRIDES ACROLAB LIMITED  Address of Applicant :No. 201, *Devavrata™ Sector 17,  Vashi, Navi Mumbai 400 703, Maharashtra, India. Maharashtra  India (72)Name of Inventor:  1)MOHAN KUMAR  2)ANIL KUMAR  3)BIDHUBHUSAN DASH
Filing Date	:NA	

## (57) Abstract:

Disclosed herein is pharmaceutical tablet composition comprising Rifaximin and process for preparation thereof.

No. of Pages: 17 No. of Claims: 4

(21) Application No.670/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A PROCESS FOR PRODUCING A TEA PRODUCT

(51) International classification :A23F3/10,A23F3/10 (31) Priority Document No :12189738.3 (32) Priority Date :24/10/2012

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2013/070786

Filing Date :07/10/2013 (87) International Publication No :WO 2014/063916

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:A23F3/10,A23F3/12,A23F3/16 (71)Name of Applicant :

1)UNILEVER PLC

Address of Applicant :Unilever House 100 Victoria

Embankment London EC4Y 0DY U.K.

(72)Name of Inventor:

1)BHOSLE Balaji Marotrao 2)GANPAPPA Rajshekher 3)SOMPURE Sandeep Sangram

#### (57) Abstract:

The present invention relates to a process of producing a leaf black tea product. There is prior art which discloses economical production of a tea juice product and a leaf tea product from the same tea leaf. The leaf tea product obtained by this process (after expressing the juice) does not provide a black tea infusion with brighter appearance which is preferred by the consumer. Bright coloured tea liquor always attracts the consumer. Therefore there is a need to provide a process which produces a tea juice product and a leaf tea product with brighter infusion characteristics from the same tea leaf. The present inventors while working extensively to provide a good quality black leaf tea product from the residue produced after expressing out the juice have surprisingly found that addition of enzymes in the fermentation stage produces a leaf tea product with improved characteristics.

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

(21) Application No.671/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date: 29/04/2016

### (54) Title of the invention: HYDROPHOBIC COATING

(51) International :C09D183/02,C08G77/02,C09D183/04

classification

(31) Priority Document No: PCT/CN2012/083848

(32) Priority Date :31/10/2012 (33) Name of priority :China

country

(86) International :PCT/EP2013/071398 Application No

:14/10/2013 Filing Date

(87) International

:WO 2014/067769 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)UNILEVER PLC

Address of Applicant: a company registered in England and Wales under company no. 41424 of Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.

(72)Name of Inventor:

1)LI jinyong

2)TAO Qingsheng

## (57) Abstract:

1122Disclosed is a process for manufacturing a coating composition wherein the process comprises the steps of: (i) forming a reaction mixture comprising water first quaternary silane and second quaternary silane wherein the first quaternary silane has formula (I) Si(R)4 (I) wherein each R is independently selected from alkoxy and halogen; and the second quaternary silane has formula (II) (R)4 m Si(R)m (II) wherein each R1 is independently selected from alkoxy and halogen; R comprises at least 2 carbon atoms and is selected from alkyl alkenyl fluoroalkyl fluoroalkenyl aryl fluoroaryl and combinations thereof; and m is an integer from 1 to 3; (ii) hydrolyzing the reaction mixture under basic conditions; and then (iii) continuing the hydrolysis under acidic conditions.

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

(22) Date of filing of Application :31/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: BEARING GREASE

:C10M119/02, C10N50/10 (71)Name of Applicant : (51) International classification (31) Priority Document No :1405841.6 1)Romax Technology Limited (32) Priority Date Address of Applicant :Romax Technology Centre, University :01/04/2014 (33) Name of priority country of Nottingham Innovation Park, Triumph Road, Nottingham NG7 :U.K. (86) International Application No 2TU, United Kingdom U.K. :PCT// (72) Name of Inventor: Filing Date :01/01/1900 (87) International Publication No : NA 1) Ashley Crowther (61) Patent of Addition to Application 2) Richard Smith :NA 3)Jesse Harris Graeter :NA Filing Date 4)Scott Macindoe (62) Divisional to Application Number :NA 5)Michael Ulfert Hornemann Filing Date

### (57) Abstract:

Method and apparatus for flushing greasefrom a wind turbine main bearing. A method is disclosed for replacing grease in a main bearing of a wind turbine, the main bearing located in a housing and the housing having least one cover plate. the bearing cover plate is removed from the housing, grease is manually removed from the main bearing, and a flushing cover is installed on the housing in place of the bearing cover plate. The flushing cover has at least two parts, the parts fitting around the main shaft, and each part having a seal so that when its attached to the bearing housing, the flushing cover forms a seal with the main shaft. The flushing cover has holes allowing access to the main bearing, and a solventor oil is sprayed via one of the holes onto the main bearing to remove grease, the remaining holes being sealed by a removable plug. Solventor oil is pumped out of the housing via a port at the bottom of the housing or flushing cover. The process is repeated for each hole, and the flushing cover removed, the main bearing packed with grease, and the bearing cover plate re-affixed. The spraying step involves pumping solventor oil from a reservoir to the spray nozzle, and the step of pumping solventor oil out of the bearing housing involves pumping solventor oil to the reservoir via a return hose. This means that the solventor oil is recycled during the replacing of the grease. An apparatus for flushing grease from a main bearing of a wind turbine is also described. Figure of Abstract: Figure 2

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

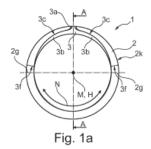
(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: PISTON RING

(51) International classification	:C10M177/00	(71)Name of Applicant:
(31) Priority Document No	:12190280.3	1)BURCKHARDT COMPRESSION AG
(32) Priority Date	:26/10/2012	Address of Applicant :Im Link 5 CH 8404 Winterthur
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/072520	(72)Name of Inventor:
Filing Date	:28/10/2013	1)FEISTEL,Norbert
(87) International Publication No	:WO 2014/064291	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The piston ring (1) for a reciprocating compressor comprises: a one part sealing ring (2) that extends in a peripheral direction (N) about a center (M) with an axial direction (H) and has an arcuate outer surface (2k) the sealing ring (2) having a butt joint with joint ends (21) and a gap (2a) that extends between the joint ends (21) in the peripheral direction (N); and a joint seal (3) for sealing the gap (2a) said joint seal (3) being symmetrical with respect to a plane of symmetry (S). The joint seal (3) starting from the plane of symmetry (S) comprises two limbs (3d) that extend at both sides in the peripheral direction (N) the two limbs (3d) extending over a total angular range of 20° to 180° and having a radially outwardly directed arcuate limb outer face (3g). The joint seal (3) starting from the plane of symmetry (S) comprises a contact part (3b) that extends at both sides in the peripheral direction (N) and projects beyond the limbs (3d) in the axial direction (H) said contact part (3b) extending only across a partial angle of the two limbs (3d) in the peripheral direction (N). The contact part (3b) has a radially outwardly directed contact surface (3c) which is set back with respect to the limb outer face (3g) in the radial direction such that the limbs (3d) form a stop (3h) along the contact surface (3c) which stop is aligned in the axial direction (H). The sealing ring (2) and the joint seal (3) are adapted to each other such that when assembled the joint seal (3) rests laterally against the sealing ring (2) via the stop (3h) and that the contact surface (3c) of the contact part (3b) runs along the gap (2a) and covers same in the peripheral direction (N).



No. of Pages: 32 No. of Claims: 18

(22) Date of filing of Application :23/03/2015

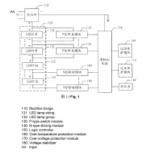
(43) Publication Date: 29/04/2016

## (54) Title of the invention: LED DRIVING APPARATUS AND DRIVING METHOD THEREOF

(51) International classification	:H05B37/02	(71)Name of Applicant:
(31) Priority Document No	:201210362539.2	1)SHENZHEN SENDIS SEMICONDUCTOR CO.LTD
(32) Priority Date	:26/09/2012	Address of Applicant :Room 2D Building D1 International E
(33) Name of priority country	:China	City No.1001Zhongshan Park Road Nanshan District Shenzhen
(86) International Application No	:PCT/CN2013/078967	Guangdong 518000 China
Filing Date	:08/07/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/048157	1)CHEN, Xiaoyu
(61) Patent of Addition to Application	:NA	2)CHEN, Bo
Number	:NA	3)DENG, Xunsheng
Filing Date	:NA	4)ZHANG, Jing
(62) Divisional to Application Number	:NA	5)MAI, Yanquan
Filing Date	:NA	

#### (57) Abstract:

An LED driving apparatus and a driving method thereof comprising a rectifier bridge (110) at least one LED lamp string (121) at least one LED lamp group (122) at least one P type switch module (130) at least one N type driving module (140) and a logic controller (150). The LED lamp string (121) is connected to the LED lamp group (122) in series. An anode of the LED lamp string (121) is connected to a positive output end of the rectifier bridge (110) and a negative output end of the rectifier bridge (110) is grounded. A cathode of the LED lamp string (121) is connected to an anode of the LED lamp group (122). The logic controller (150) is connected to the anode and the cathode of the LED lamp string (121) through the P type switch module (130). The logic controller (150) is connected to a cathode of the LED lamp group (122) through the N type driving module (140). The logic controller (150) is also connected to a negative input end of the rectifier bridge (110). The logic controller (150) controls the N type driving module (140) and the P type switch module (130) so that when the voltage value of an input signal is increasing after rectification through the rectifier bridge (110) the number of LED lamps that are turned on in a long LED lamp string increases accordingly; when the voltage value is decreasing the number of LED lamps that are turned on in the long LED lamp string decreases accordingly improving efficiency of the driving apparatus and making integration in a chip easy.



No. of Pages: 40 No. of Claims: 7

(22) Date of filing of Application :24/03/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : FAST DISINTEGRATING SOLID DOSAGE FORM FORMULATION COMPRISING FUNCTIONALIZED CALCIUM CARBONATE AND METHOD OF THEIR MANUFACTURE

(51) International classification	:A61K9/00,A61K9/20	(71)Name of Applicant :
(31) Priority Document No	:12188344.1	1)OMYA INTERNATIONAL AG
(32) Priority Date	:12/10/2012	Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/071169	(72)Name of Inventor:
Filing Date	:10/10/2013	1)GERARD, Daniel, E.
(87) International Publication No	:WO 2014/057038	2)SCHOELKOPF, Joachim
(61) Patent of Addition to Application	:NA	3)GANE, Patrick, A. C.
Number	:NA	4)STRINIMANN, Tanja
Filing Date	.IVA	5)ALLES, Rainer
(62) Divisional to Application Number	:NA	6)PUCHKOV, Maxim
Filing Date	:NA	7)HUWYLER, Jrg

#### (57) Abstract:

An orally fast disintegrating dosage forms comprising functionalized natural or synthetic calcium carbonate at least one active ingredient and at least one disintegrant wherein said functionalized natural or synthetic calcium carbonate is a reaction product of natural or synthetic calcium carbonate with carbon dioxide and one or more acids wherein the carbon dioxide is formed in situ by the acid treatment and/or is supplied from an external source and wherein the tablet dissolves in less than 20 seconds when introduced into an aqueous environment.

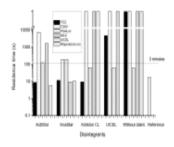


Figure 4. Influence of the tablet composition on the residence time.

No. of Pages: 40 No. of Claims: 19

(22) Date of filing of Application :31/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MICROWAVE VACUUM DRYING OF ORGANIC MATERIALS

(51) International classification :F26B3/347,F26B13/02,F26B21/10

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/CA2012/050880

No Filing Date :07/12/2012

(87) International Publication :WO 2014/085897

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date

(71) Name of Applicant:

1)ENWAVE CORPORATION

Address of Applicant :2000 1066 West Hastings Street

Vancouver British Columbia V6E 3X2 Canada

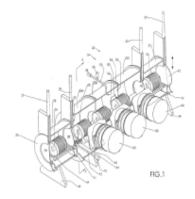
(72)Name of Inventor:

1)DURANCE Timothy D

2)FU Jun 3)CAO Li Bing

## (57) Abstract:

An apparatus and method for microwave vacuum drying of organic materials such as food products. The dehydration apparatus (20) has a vacuum chamber (24) with an input module (28) at one end and a discharge module (32) at the other. The vacuum chamber has access doors (80) spaced between the input end (30) and the discharge end (34) which provide operator and maintenance access. Microwave generators (86) are mounted on each access door and arranged to radiate through a microwave chamber and microwave transparent window on the access door into the vacuum chamber. A pair of rollers (60) in the vacuum chamber rotates the container of organic material (1 12) about a horizontal axis and a chain drive (64) pulls the containers along the rollers through the vacuum chamber.



No. of Pages: 28 No. of Claims: 27

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR LINGUIST-BASED HUMAN/MACHINE INTERFACE COMPONENTS

(51) International classification	:G10L15/18	(71)Name of Applicant:
(31) Priority Document No	:61/974,417	1)IMS HEALTH INCORPORATED
(32) Priority Date	:02/04/2014	Address of Applicant :83 Wooster Heights Road Danbury,
(33) Name of priority country	:U.S.A.	Connecticut 06810, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT// /	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Christopher Hahn
(87) International Publication No	: NA	2)Joshua Cowhig
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Abstract SYSTEM AND METHOD FOR LINGUIST-BASED HUMAN/MACHINE INTERFACE COMPONENTS Apparatus and method to serialize electronic localized data, or to produce electronic localized data from serialized data. The apparatus to serialize includes: a receiver to collect electronic localized data; a processor coupled to the receiver, the processor configured to receive the electronic localized data collected by the receiver; a memory coupled to the processor, the memory configured to store an application program; an interface to a serialization module, to serialize electronic localized data collected by the receiver, wherein the interface is callable from the application program; and a storage module configured to store the serialized data from the serialization module.

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

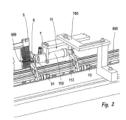
(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DEVICE AND METHOD FOR MONITORING A WEFT THREAD

(51) International classification	:D03D47/30,D03D51/34	(71)Name of Applicant:
(31) Priority Document No	:BE 2012/0655	1)PICANOL
(32) Priority Date	:01/10/2012	Address of Applicant :Steverlyncklaan 15 B 8900 Ieper
(33) Name of priority country	:Belgium	Belgium
(86) International Application No	:PCT/EP2013/069994	(72)Name of Inventor:
Filing Date	:25/09/2013	1)GHESQUIERE, Marnix
(87) International Publication No	:WO 2014/053377	2)LECLUYSE, Bart
(61) Patent of Addition to Application	:NA	3)DEGRAEVE, Bram
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Device and method for monitoring a weft thread in a weaving machine comprising a second weft thread detector (10) for providing a signal when an inserted weft thread exceeds its length by a predetermined amount and an air guide channel (11) located upstream of the second weft thread detector (10) wherein the second weft thread detector (10) is mounted on a sley (500) of a weaving machine and wherein the air guide channel (11) is arranged stationary on the weaving machine.



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

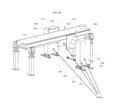
(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: EQUIPMENT PROTECTING ENCLOSURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C12P7/10 :61/711801 :10/10/2012 :U.S.A. :PCT/US2013/064317 :10/10/2013 :WO 2014/059131	(71)Name of Applicant:  1)XYLECO INC.  Address of Applicant: 271 Salem Street Unit L Woburn MA 01801 U.S.A. (72)Name of Inventor:  1)MEDOFF, Marshall 2)MASTERMAN, Thomas, Craig
<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	3)PARADIS, Robert

## (57) Abstract:

Biomass (e.g. plant biomass animal biomass and municipal waste biomass) is processed to produce useful intermediates and products such as energy fuels foods or materials. For example systems and methods are described that can be used to treat feedstock materials such as cellulosic and/or lignocellulosic materials in a vault in which the equipment is protected from radiation and hazardous gases by equipment enclosures. The equipment enclosures may be purged with gas.



No. of Pages: 64 No. of Claims: 27

(22) Date of filing of Application :01/04/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD FOR PREEMPTIVELY RESTARTING SOFTWARE IN A MULTISUBSYSTEM MOBILE COMMUNICATION DEVICE TO INCREASE MEAN TIME BETWEEN FAILURES

(51) International :G06F11/14,G06F11/07,G06F11/18 classification

(31) Priority Document No :13/644335 (32) Priority Date :04/10/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/058091

No :04/09/2013

(87) International Publication :WO 2014/055198

Filing Date

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

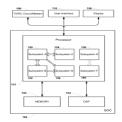
1)OUALCOMM INCORPORATED

Address of Applicant : Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72) Name of Inventor: 1)GIDDI Fani babu

## (57) Abstract:

Methods for a mobile device restarting subsystem software on a schedule that reduces the likelihood of subsystem failures without requiring a general system restart or impacting other subsystems. The mobile device may calculate a restart time window during which a first subsystem may be restarted efficiently and prior to the occurrence of software failures. Upon initialization of the first subsystem a restart timer may be established which indicates the period since a previous restart of the first subsystem. Once the restart timer indicates a time within the restart time window the mobile device may transmit request messages to other subsystems dependent upon the first subsystem. In response to a unanimous vote by the other subsystems or the restart timer exceeding the time restart window the mobile device may restart the first subsystem. In an aspect the mobile device may transmit the request messages at an increasing rate.



No. of Pages: 46 No. of Claims: 32

(22) Date of filing of Application :20/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ISSUE EXTRACTION BASED ON TICKET MINING

(51) International classification	:G06F17/30	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHIMPI, Vikrant Vikas
(87) International Publication No	: NA	2)NATU, Maitreya
(61) Patent of Addition to Application Number	:NA	3)SADAPHAL, Paithanikar Vaishali
Filing Date	:NA	4)KULKARNI, Vaishali Shashank
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Described herein are a method and a system for extracting issues based on ticket mining. In one implementation, a plurality of tickets comprising descriptions of the issues in computing systems are received. The received descriptions are then cleaned by removing unwanted details. Upon cleaning, the clean descriptions are mapped with descriptions stored in service catalog data to obtain unmapped clean descriptions. In an example, the unmapped clean descriptions include one of user-generated descriptions, system-generated descriptions, and both the user-generated descriptions and the system-generated descriptions. For the user-generated descriptions; the issues are extracted by pre-processing the user-generated descriptions, determining keywords from the processed unmapped clean descriptions, constructing n-grams of keywords from the extracted keywords, and extracting the n-grams of keywords as the issues present in the computing systems.

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

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PLATFORM FOR HELPING PEOPLE MEET FOR VARIOUS PURPOSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)KARECHA ABHISHEK BIPIN  Address of Applicant: B-43, JUPITER TOWER, BEHIND  GRAND BHAGWATI, BODAKDEV, AHMEDABAD 380 054,  GUJARAT, INDIA. Gujarat India  (72)Name of Inventor:  1)KARECHA ABHISHEK BIPIN
(62) Divisional to Application Number Filing Date	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a platform based on software technology which would help individual to meet person in real time and thus break the virtual meet divide on the internet. It is a human desire to meet individuals for social, religious, business, recreational, dating and other purpose and we would provide them platform by which they can find and meet such individual or group in real time by booking a place to meet or designated place to meet through mutual concern.



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

(22) Date of filing of Application :21/10/2014

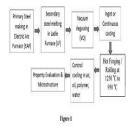
(43) Publication Date: 29/04/2016

# (54) Title of the invention : DEVELOPMENT OF AN ULTRA HIGH STRENGTH THERMO-MECHANICALLY PROCESSED AND CONTROL COOLED BAINITIC STEEL

(51) International classification	:C22C38/46, C22C38/00, C22C38/44, C22C	(71)Name of Applicant: 1)Bharat Forge Limited
(31) Priority Document No	:NA	Address of Applicant :Mundhwa, Pune, Maharashtra, India Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Dr. Babasaheb Neelkanth Kalyani 2)Mr. Madan Umakant Takale
(86) International Application No Filing Date	:NA :NA	3)Dr. Gnana Prakasam Balachandran 4)Dr. Rajkumar Prasad Singh 5)Mr.Abhay Ramchandra Chauthai
(87) International Publication No	: NA	6)Mr. Suresh Babu Arangi 7)Mr.Rajesh Surendra Mane
(61) Patent of	.NT A	8)Mr. Dharmesh Kumar
Addition to Application Number Filing Date	:NA :NA	9)Mr. Srinivas Perla 10)Mr. Vinayak Pralhad Pawar 11)Mr. Shital Shahaji Jadhav
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention disclosed an ultra-high strength steel for structural components, a process of making such steel that has a desirable microstructure in the thermo-mechanically processed and differently cooled conditions that delivers high fatigue performance in service, and a process of making forged components using such steel. The steel and the process of its manufacturing enables manufacture of components that exhibit bainitic microstructure that impart ultra-high strength ranges with very high fatigue performance. The invention enables saving in alloying additives compared to hardened and tempered alloy steels and in addition avoid expensive heat treatment operations to achieve the desired range of mechanical properties. The steel of the invention is a suitable replacement for micro alloyed steel or heat treated steel bars used for structural component development. The steel can be used for applied as the hot rolled and air cooled long products that can be directly used for applications or it can be directly hot forged in open or closed die forging followed by controlled cooling to achieve the desired microstructure and range of mechanical properties.



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

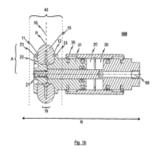
(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention : HANDLING DEVICE WITH AT LEAST ONE CONTROLLABLY DEFORMABLE ELASTIC ELEMENT

<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>	:B25J15/00,B25J15/12 :10 2012 218 253.5 :05/10/2012 :Germany	(71)Name of Applicant: 1)FIPA GMBH Address of Applicant:Freisinger Strae 30 85737 Ismaning Germany
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2013/070542 :02/10/2013 :WO 2014/053541	(72)Name of Inventor: 1)SCHANZ Henning 2)KOB Roland
(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 handling device (100) with at least one controllably deformable elastic element (10). With the aim of increasing handling precision and flexibility the solution according to the invention provides that the controllably deformable elastic element (10) is arranged in an active area (40) of the device and is designed to adopt by corresponding control either a basic position or at least one deformation position. The position in the main extension direction (R) of a central region (15) of the elastic element (10) which extends substantially along the longitudinal axis (60) in the basic position and which projects substantially abeam the longitudinal axis (60) in the at least one deformation position can be determined by the control changing the distance (A) of longitudinal axis (60) in the active area (40).



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

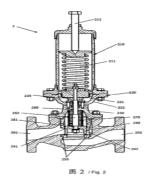
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

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

(51) International classification	:F16K17/30,F16K17/04	(71)Name of Applicant :
(31) Priority Document No	:201220565941.6	1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO.
(32) Priority Date	:22/10/2012	LTD
(33) Name of priority country	:China	Address of Applicant :No.9 Wukedong 2nd Road Wuhou
(86) International Application No	:PCT/CN2013/085720	Science Technic Park Wuhou District Chengdu Sichuan
Filing Date	:22/10/2013	610045,china China
(87) International Publication No	:WO 2014/063619	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)HUO, Yuxiong
Number	:NA	2)LEI, Yanwei
Filing Date	:INA	3)QIN, Xiaojuan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a valve assembly (2) comprising a sensing device (220); a valve cover (230) located below the sensing device; a piston (240) provided with a central through hole (242); and a valve rod (260) the upper end of the valve rod (260) being connected to the sensing device (220) and the lower end being provided with a penetrating portion (261) penetrating through the central through hole (242) so as to allow the valve rod (260) to be connected to the piston (240); wherein the sensing device (220) drives the valve rod (260) to move the piston (240) up and down; an auxiliary spring (270) in a compression state all the time is arranged between the valve cover (230) and the piston (240); the length of the penetrating portion (261) is greater than the depth of the central through hole (242); and the valve rod (260) is slidably coupled in the central through hole (242) of the piston (240). The valve assembly can prevent the valve rod from transferring the force of a main spring to the piston and can avoid damage to a valve port the valve rod and the piston which would affect normal service of the valve assembly due to the excessive force of the main spring.



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

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SPRING ADJUSTING DEVICE AND VALVE ASSEMBLY

(51) International classification :F16K17/04,F16K17/30,F16K17/06

(31) Priority Document No :201220565995.2 (32) Priority Date :22/10/2012

(33) Name of priority country: China

(86) International Application :PCT/CN2013/085722

Filing Date :22/10/2013

(87) International Publication :WO 2014/063620

(61) Patent of Addition to

Application Number :NA
Filing Date :NA

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant:

1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO.

LTD.

Address of Applicant :No.9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan 610045

China

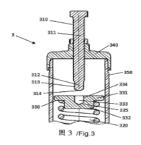
(72) Name of Inventor:

1)HUO, Yuxiong 2)XIAO, Xiao

3)LEI, Yanwei

## (57) Abstract:

Disclosed is a spring adjusting device comprising an adjusting screw (310) a spring (320) and a spring seat (330) located between the adjusting screw (310) and the spring (320) wherein the spring seat (330) is provided with a groove (333) capable of accommodating a tip portion of one end of the adjusting screw (310) the groove (333) being provided with a cylindrical side wall. Further disclosed is a valve assembly containing this spring adjusting device. The spring adjusting device can prevent the screw tip portion from disengaging from the groove and can avoid the overall bending of the spring so that the operating performance of the overall valve assembly can be improved.



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

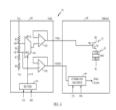
(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MRAM WORD LINE POWER CONTROL SCHEME

(51) International classification	:G11C11/16,G11C8/08	(71)Name of Applicant :
(31) Priority Document No	:13/602829	1)QUALCOMM INCORPORATED
(32) Priority Date	:04/09/2012	Address of Applicant :Attn: International Ip Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2013/058081	(72)Name of Inventor:
Filing Date	:04/09/2013	1)KIM Sungryul
(87) International Publication No	:WO 2014/039571	2)KIM Jung Pill
(61) Patent of Addition to Application	:NA	3)KIM Taehyun
Number	:NA	4)KANG Seung H.
Filing Date	.IVA	5)NOWAK Matthew M.
(62) Divisional to Application Number	:NA	6)BHATNAGAR Manoj
Filing Date	:NA	

## (57) Abstract:

Systems circuits and methods for controlling word line (WL) power levels at a WL of a Magnetoresistive Random Access Memory (MRAM). The disclosed power control scheme uses existing read/write commands and an existing power generation module associated with the MRAM to supply and control WL power levels thereby eliminating the cost and increased die size of schemes that control WL power through relatively large and expensive power control switches and control circuitry on the MRAM macro.



No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: REAL TIME PATH SUGGESTION FOR A LOCATION ENABLED MOBILE 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>	:22/10/2013 :WO 2014/066323 :NA :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor:  1)PARK Young-shin
Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure is directed to navigating based on directionality. An embodiment determines a position and a direction of a mobile device determines one or more paths from the mobile device to one or more destinations associated with a current location of the mobile device and displays one or more direction indicators corresponding to the one or more paths to the one or more destinations.

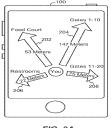


FIG. 2A

No. of Pages: 32 No. of Claims: 41

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : AN UV CURABLE OPV (OVER PRINT VARNISH) THAT CAN BE HEAT SEALED WITH ANY HOT MELT ADHESIVE, HEAT SEAL LAEQUER AND PE COATING

<ul><li>(51) International classification</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>	:G09F3/10, B41M7/00 :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
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)MRS. PIYALI SARKAR BHOWMIK (72)Name of Inventor: 1)MR. KIRAN M. SHAH 2)MRS. PIYALI SARKAR BHOWMIK

#### (57) Abstract:

In accordance with an aspect of the present invention, a composition for a sealable coating is provided. The composition includes a predetermined ratio of liquid based on total weight of said composition and material to be used for sealing, wherein the liquid is used to achieve a base of the sealable coating, wherein, the liquid base comprises either water base or solvent base or a mixture thereof. The composition also includes a predetermined ratio of copolymer based on a combination of total weight of said composition and material to be used for sealing, wherein copolymer is selected from a ethylene vinyl acetate or a polyethylene wax so as to achieve low-temperature toughness, stress-crack resistance, hot-melt adhesive, waterproof properties, resistance to UV radiation. The composition further includes a predetermined ratio of acid or an oxide group based on a combination of total weight of said composition and material to be used for sealing, so as to achieve desired surface tension for proper sealability.

No. of Pages: 7 No. of Claims: 3

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A UV LED LAMP USED TO CURE OVER PRINT VARNISH IN FLEXIBLE PRINTING INDUSTRY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B41J11/00, C09D11/10 :NA :NA	(71)Name of Applicant: 1)MR. KIRAN M.SHAH Address of Applicant:802/803, PARK SIDE-2 RAHEJA
(33) Name of priority country	:NA	ESTATE, KULUPWADI, LANDMARK NEAR NATIONAL
(86) International Application No Filing Date	:NA :NA	PARK BORIVALI EAST, MUMBAI-400066 Maharashtra India 2)MRS. PIYALI SARKAR BHOWMIK
(87) International Publication No	: NA	(72)Name of Inventor:
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	1)MR. KIRAN M.SHAH 2)MRS. PIYALI SARKAR BHOWMIK
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In accordance with an aspect of the present invention, a composition for a sealable ultraviolet coating is provided. The composition includes a predetermined ratio of oligomers based on total weight of said composition, wherein the oligomers selected for said composition can be a member of the group consisting of a urethane acrylate oligomer, liquid modified arcylate oligomer or a mixture thereof. The composition further includes a another ratio of monomer based on total weight of said composition, wherein the monomer selected for said composition can be a monofunctional monomer, a multi functional monomer or a mixture thereof. The composition also includes a a photoinitiator in a predetermined ratio based on total weight of said composition, wherein the photoinitiator is introduced with a predetermined ratio of atleast one of polyethylene wax or ethylene vinyl acetate or a mixture thereof.

No. of Pages: 9 No. of Claims: 7

(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ADAPTIVE SCALE AND/OR GRAVITY ESTIMATION

(51) International classification	:G06T7/00	(71)Name of Applicant:
(31) Priority Document No	:61/722601	1)QUALCOMM INCORPORATED
(32) Priority Date	:05/11/2012	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/US2013/063900	(72)Name of Inventor:
Filing Date	:08/10/2013	1)RAMCHANDRAN Arvind
(87) International Publication No	:WO 2014/070391	2)BURNER Christopher
(61) Patent of Addition to Application	:NA	3)RAMCHANDRAN Mahesh
Number	:NA :NA	4)CHARI Murli Ramaswami
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Systems apparatus and methods for estimating gravity and/or scale in a mobile device are presented. A difference between an image based pose and an inertia based pose is using to update the estimations of gravity and/or scale. The image based pose is computed from two poses and is scaled with the estimation of scale prior to the difference. The inertia based pose is computed from accelerometer measurements which are adjusted by the estimation for gravity.



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

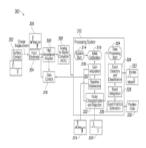
(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTERACTION SENSING

(51) International classification	:G06F3/041	(71)Name of Applicant:
(31) Priority Document No	:61/865448	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:13/08/2013	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:U.S.A.	si Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2014/007548	(72)Name of Inventor:
Filing Date	:13/08/2014	1)POST Earnest Rehumi
(87) International Publication No	:WO 2015/023135	2)BAU Olivier
(61) Patent of Addition to Application	:NA	3)TSEKOV Iliya
Number	:NA	4)SADI Sajid
Filing Date	.11/1	5)DIGMAN Michael
(62) Divisional to Application Number	:NA	6)ATTARIAN Vatche
Filing Date	:NA	7)CONSUL Sergi

## (57) Abstract:

An embodiment of the present invention provides an apparatus comprising an insulator coupled to one or more electrodes wherein the one or more electrodes are configured to passively sense charge displacement or a change in characteristics of electromagnetic signals in an environment.



No. of Pages: 77 No. of Claims: 18

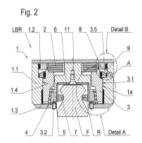
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: LINEAR BRAKE OPERATED BY MEANS OF EXTERNAL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16D63/00 :10 2012 025 438.5 :21/12/2012 :Germany :PCT/EP2013/076679 :16/12/2013 :WO 2014/095706 :NA :NA :NA	(71)Name of Applicant:  1)CHR. MAYR GMBH & CO. KG Address of Applicant: Eichenstrasse 1, 87665 Mauerstetten, germany Germany (72)Name of Inventor:  1)MLLER,ALLEXANDER 2)HECHT,MARTIN 3)DROPMANN,CRHISTOPH
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The invention relates to a linear brake (LBR) for attachment on a slide that can be moved along a guide rail (F), having a brake housing (1), which at least partially surrounds the guide rail (F), a force store arranged on or in the brake housing (1) and a brake piston (3), which is loaded by the force store, surrounds the guide rail (F) in a fork-like manner and is moved by the force store against the guide rail transversely to the movement direction between the slide and the guide rail (F). The brake piston presses the two clamp jaws (7), which are connected with a U-shaped transfer plate (6), against the guide rail (F) by means of piston bevels (3.2) and wedge bevels (5.1), which are arranged on both sides of the guide rail (F) and are opposite each other. The brake piston (3) is configured as a cylindrical annular piston, which is loaded on one end face by the force store (2) arranged centrally in the annular piston and has on the other end face the piston ends (3.6) with the bevel faces (3.2). A piston space (3.5) is formed in an annular manner and on the radial outer side of the cylindrical annular piston (3) in the region of the join (1.4) between the annular piston and the housing body (1.1), wherein a piston ring (8) connected radially on the outside to the annular piston delimits the piston space (3.5) at the end face.



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

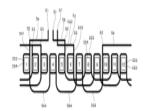
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: STATOR UNIT AND MOTOR

(51) International classification	:H02K3/50,H02K5/22	(71)Name of Applicant:
(31) Priority Document No	:2012231626	1)NIDEC CORPORATION
(32) Priority Date	:19/10/2012	Address of Applicant :338 Kuzetonoshiro cho Minami ku
(33) Name of priority country	:Japan	Kyoto shi Kyoto 6018205 Japan
(86) International Application No	:PCT/JP2013/006177	(72)Name of Inventor:
Filing Date	:17/10/2013	1)Yuhei YAMAGUCHI
(87) International Publication No	:WO 2014/061276	2)Hisashi FUJIHARA
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A stator unit includes a stator and a bus bar unit disposed on an upper side of the stator wherein the stator includes a core back a plurality of teeth and a plurality of coils the plurality of coils forms three coil groups each coil group includes two or more coils formed by a single conducting wire which includes a jumper wire the bus bar unit includes three first bus bars to which end portions on one side of the conducting wires of the three coil groups are respectively connected and each of which includes an external connection terminal a second bus bar for a neutral point to which end portions on the other side of the conducting wires are connected and a resin holder which retains the three first bus bars and the second bus bar the external connection terminals of the three first bus bars are disposed to be collected in one area in a circumferential direction centered on a central axis the three first bus bars and the second bus bar overlap in only any one of a radial direction centered on the central axis and an axial direction and the maximum number of bus bars which overlap is 2.



No. of Pages: 31 No. of Claims: 10

(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: UPLINK COVERAGE ENHANCEMENTS

(51) International classification	:H04W72/04	(71)Name of Applicant:
(31) Priority Document No	:61/720361	1)QUALCOMM INCORPORATED
(32) Priority Date	:30/10/2012	Address of Applicant :ATTN: INTERNATIONAL IP
(33) Name of priority country	:U.S.A.	ADMINISTRATION 5775 Morehouse Drive San Diego
(86) International Application No	:PCT/US2013/066622	California 92121 1714 U.S.A.
Filing Date	:24/10/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/070578	1)JI Thingfang
(61) Patent of Addition to Application	:NA	2)GAAL Peter
Number	:NA	3)XU Hao
Filing Date	.11/1	4)CHEN Wanshi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Aspects of the present disclosure provided techniques for enhancing uplink coverage. A method for wireless communications by a wireless device is provided. The method generally includes obtaining a payload of data to be transmitted to a base station selecting at least one uplink control channel and a number of transmission time intervals (TTIs) and conveying the data in the at least one uplink control channel over the number of TTIs wherein different portions of the data are conveyed in different TTIs.



FIG. 5

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

(22) Date of filing of Application :02/04/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: ANTENNA FOR UNATTENDED GROUND SENSOR

(51) International classification: H01Q1/04,G01V1/16,G08B13/16 (71) Name of Applicant:

:1218158.2 (31) Priority Document No (32) Priority Date :10/10/2012

(33) Name of priority country :U.K.

(86) International Application :PCT/GB2013/052149

:12/08/2013 Filing Date

(87) International Publication

:WO 2014/057239

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DIGITAL BARRIERS SERVICES LTD.

Address of Applicant :Enterprise House 1 2 Hatfields London

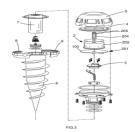
Greater London SE1 9PG U.K.

(72) Name of Inventor:

1)BEARPARK Paul Joseph

## (57) Abstract:

An unattended ground sensor unit (30) is disclosed comprising an antenna (2) which is accommodated mainly in a head portion (5) of the unit. The antenna (2) comprises a base conductor (100) and a top conductor (102) both of which are circular plates arranged in a horizontal plane. An antenna rod (204) is electrically connected to the top conductor (102). A hole is provided in the base conductor (100) and the antenna rod (204) extends through the hole to be connected to antenna control circuitry on a printed circuit board (104) on the reverse side of the base conductor (100). An insulating ring (106) is provided around the antenna rod (204) where it extends through the base conductor (100) so that the antenna (rod 204) is electrically insulated from the base conductor (100). Two shorting pins (205) are provided between the top conductor (102) and the base conductor (100). The shorting pins (20) are provided on diametrically opposite sides of the antenna rod (204). A dielectric spacer (202) is provided having a keying cut out (112) that can be engaged to resist its rotation.



No. of Pages: 24 No. of Claims: 19

(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AQUEOUS EMULSION COMPOSITION OF ORGANIC PEROXIDE

(51) International classification :C08F4/32,C08K:
(31) Priority Document No :1258874
(32) Priority Date :21/09/2012

(33) Name of priority country :France

(86) International Application No :PCT/FR2013/052060
 Filing Date :06/09/2013
 (87) International Publication No :WO 2014/044949

(61) Patent of Addition to
Application Number

Application Number
Filing Date
(62) Divisional to Application

Number :NA
Filing Date :NA

:C08F4/32,C08K5/04,C08K5/14 (71)Name of Applicant : :1258874 1)ARKEMA FRANCE

Address of Applicant :420 Rue dEstienne dOrves F 92700

Colombes France

(72)Name of Inventor:1)TARTARIN Isabelle2)COCHET Jacques3)BLUM Albert

#### (57) Abstract:

The invention concerns an aqueous emulsion composition of organic peroxide comprising: from 10 to 65% by weight of one or a plurality of organic peroxides from 2 to 25% by weight of at least one antifreeze agent from 0.01 to 10% by weight of at least one emulsifying agent optionally at least one additive water of which the quantity is defined in order to form the remainder of the total composition (100%) characterised in that the emulsifying agent is a colloid agent consisting of a polyvinyl acetate having a degree of hydrolysis greater than 80% and a viscosity measured in solution in water at 4 % by weight at 20°C less than or equal to 5 mPa.s said viscosity being measured with a Brookfield RVT viscometer needle no. 3 20 rpm in accordance with the ISO 2555 standard. The invention also relates to the method of preparing same and the use thereof.

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

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

(43) Publication Date: 29/04/2016

# (54) Title of the invention : DYNAMIC ADJUSTMENT OF AN INTERRUPT LATENCY THRESHOLD AND A RESOURCE SUPPORTING A PROCESSOR IN A PORTABLE COMPUTING DEVICE

(51) International classification :G06F13/24,G06F13/40,H04L12/801

(31) Priority Document No :13/660523 (32) Priority Date :25/10/2012

(33) Name of priority :U.S.A.

country (86) International

Application No :PCT/US2013/062868

Filing Date :01/10/2013

(87) International Publication No :WO 2014/065996

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1) OUAL COMM INCORPORATED

Address of Applicant :Attn: International IP Administration

5775 Morehouse Drive San Diego CA 92121 U.S.A.

(72)Name of Inventor: 1)PARK Hee-jun

2)LUO Haobin 3)HWANG Inho 4)TU Alex K.

## (57) Abstract:

A portable computing device includes a modem and an application processor communicatively coupled by a data bus. The modem communicates a target data throughput in accordance with an identified data call. In response the application processor determines whether an adjustment of an interrupt latency threshold is warranted to support the target data throughput identified by the modem. Otherwise the application processor executes no such adjustment. In addition the modem requests a desired performance of an application processor resource. In response the application processor adjusts a control input of the application processor controlled resource. A change in a present data transfer session triggers the modem to communicate a revised target data throughput and /or a revised request for a desired performance of an application processor resource.



No. of Pages: 29 No. of Claims: 34

(21) Application No.639/MUMNP/2015 A

(19) INDIA

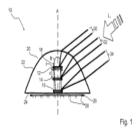
(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SOLAR COLLECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L31/052 :PCT/IB2012/001743 :07/09/2012 :Argentina :PCT/EP2013/068649 :09/09/2013 :WO 2014/037571 :NA :NA	(71)Name of Applicant:  1)DOCI INNOVATIONS GMBH  Address of Applicant: Am Fahrenkroog 9 Haus B App. 379 23730 Sierksdorf Germany (72)Name of Inventor:  1)DOCI, Violeta
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a solar collector or light collector by way of which light generally sun light can be directed onto an energy converter unit. Specifically the invention relates to a light collector (10) provided with an optical unit (20) and an energy converter unit wherein the energy converter unit is comprised of a plurality of converter cells (12 4 16) arranged along a first main axis. The invention is characterized in that the optical unit (20) brings about a light refraction and surrounds the energy converter unit at least partially and in that the optical unit (20) focusses parallel incident light in a focal area wherein the largest expansion of the focal area is along a second main axis and the second main axis extends along the first main axis.



No. of Pages: 22 No. of Claims: 15

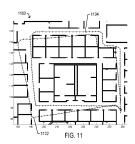
(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MAP ASSISTED SENSOR BASED POSITIONING OF MOBILE DEVICES

(51) International classification	:G01C21/20,G01C22/00	(71)Name of Applicant:
(31) Priority Document No	:13/657428	1)QUALCOMM INCORPORATED
(32) Priority Date	:22/10/2012	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/US2013/063756	(72)Name of Inventor:
Filing Date	:08/10/2013	1)PAKZAD Payam
(87) International Publication No	:WO 2014/066024	2)PODURI Sameera
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various methods apparatuses and/or articles of manufacture are provided which may be implemented to estimate a trajectory of a mobile device within an indoor environment. In some embodiments the trajectory may be estimated without the use of any signal based positioning information. For example a mobile device may estimate such a trajectory based at least in part on one or more sensor measurements obtained at the mobile device and further affect the estimated trajectory based at least in part on one or more objects identified in an electronic map of the indoor environment.



No. of Pages: 58 No. of Claims: 43

(22) Date of filing of Application :01/04/2015

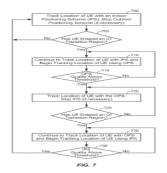
(43) Publication Date: 29/04/2016

# (54) Title of the invention: CHANGING A POSITION DETERMINATION SCHEME USED BY A USER EQUIPMENT DURING A TRANSITION BETWEEN INDOOR AND OUTDOOR SPACES RELATIVE TO AN ENCLOSED 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>	:G01S5/02,G01C21/20 :61/716841 :22/10/2012 :U.S.A. :PCT/US2013/066057 :22/10/2013 :WO 2014/066311	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor:  1)PARK Young-shin
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In an embodiment a user equipment (UE) tracks its location using a first positioning scheme (PS) (e.g. an indoor PS or outdoor PS) while operating inside or outside of an enclosed environment whereby the UE maintains transition region information related to the enclosed environment that characterizes one or more outdoor to indoor (OI) and/or indoor to outdoor (IO) transition regions of the enclosed environment. If the UE determines it has entered a transition region of the enclosed environment based on its location tracking using the first PS the UE begins to track its location using a second PS. When the quality of the second PS rises above a threshold (e.g. such as the UE moves further inside or outside of the enclosed environment) the UE can switch to the second PS and turn off the first PS.



No. of Pages: 41 No. of Claims: 26

(21) Application No.764/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/04/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: SCAFFOLD WITH CORTICAL WALL

(51) International :A61L27/06,A61L27/10,A61L27/30 classification

(31) Priority Document No :12510418

(32) Priority Date :18/09/2012 (33) Name of priority country: Sweden

(86) International Application :PCT/EP2013/069268

No :17/09/2013

Filing Date (87) International Publication :WO 2014/044672

(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)CORTICALIS AS

Address of Applicant : Haakonsvei 5 N 1450 Nesoddtangen

Norway

(72) Name of Inventor:

1)LYNGSTADAAS.S.Petter 2)ELLINGSEN Jan Eirik 3)HAUGEN Havard J 4)TIAINEN Hanna

(57) Abstract:

The present disclosure is directed to a titanium dioxide scaffold provided with a nanoporous outer layer which can function as a cortical wall inhibiting growth of soft tissue into the scaffold and increasing its mechanical strength. The disclosure is also directed to a process for producing such a nanoporous outer layer and the application of the titanium dioxide scaffold with the nanoporous outer layer as a medical implant.

No. of Pages: 42 No. of Claims: 13

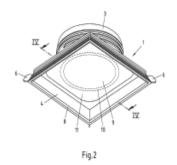
(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention : RECLOSABLE POUR OUT ELEMENT FOR PACKAGING MANDREL OF A ROTATABLE MANDREL WHEEL IN A PACKAGING MACHINE FOR RECEIVING SUCH A POUR OUT ELEMENT AND COMBINATION OF POUR OUT ELEMENT AND MANDREL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 2012 020 529.5 :19/10/2012 :Germany	(71)Name of Applicant:  1)SIG TECHNOLOGY AG  Address of Applicant: Laufengasse 18 CH 8212 Neuhausen am Rheinfall Switzerland (72)Name of Inventor:  1)VETTEN, Thomas  2)HIMMELSBACH, Sven
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a reclosable pour out element for packaging particularly composite packaging for liquid foodstuffs with a main body (1) having a pour out tube (3) closed off by a screw cap (2) and a flange (4) with polyhedral surfaces for connection to the outer side of packaging. The invention further relates to a corresponding mandrel (12) of a rotatable mandrel wheel in a packaging machine. To enable reliable connection of the reclosable pour out element on a mandrel (12) and subsequently easy removal from the mandrel (12) and also to achieve good possibilities for cleaning according to the invention the pour out element has a circumferential retaining element (8) inside the main body (1) for form fitting operative connection to a mandrel (12) in a packaging machine. A corresponding mandrel (12) has a polyhedral shape in the receiving region of the pour out element and has a circumferential retaining element (13) for form fitting operative connection to the pour out element.



No. of Pages: 15 No. of Claims: 16

(22) Date of filing of Application :01/04/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: OFFLOADING CALL PROCESSING AND CALL HOSTING FOR A SMALL GROUP CALL TO A **CLIENT DEVICE**

(51) International :H04W76/00,H04W4/10,H04W84/18 classification

(31) Priority Document No :13/663625

(32) Priority Date :30/10/2012 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/067005 Application No

:28/10/2013 Filing Date

(87) International :WO 2014/070634

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to **Application Number** 

Publication No

:NA :NA (71)Name of Applicant:

1)OUALCOMM INCORPORATED

Address of Applicant : Attn: International IP Administration

5775 Morehouse Drive San Diego CA 92121 U.S.A.

(72)Name of Inventor:

1)SHUMAN Mohammed Ataur, R.

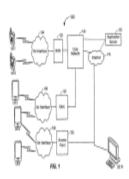
2)GOEL Amit

3)SHARMA Sandeep

#### (57) Abstract:

Filing Date

Hosting a group call at a wireless user device (500B; 600B; 700A). An embodiment receives (520; 810) by the wireless user device registration information for a plurality of client devices (500A; 500B; 500C; 600A; 600B; 600C; 600D) receives (610; 830) by the wireless user device a call request for a call among two or more of the plurality of client devices sets up (620; 710; 840) by the wireless user device the call among the two or more of the plurality of client devices receives (670; 850) by the wireless user device a media stream and transmits (680; 750; 860) by the wireless user device the media stream to at least one of the two or more of the plurality of client devices.



No. of Pages: 48 No. of Claims: 15

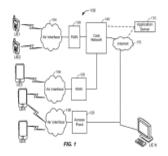
(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A PREEMPTIVE FRAMEWORK FOR ACCESSING SHORT URLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F17/30 :13/663627 :30/10/2012 :U.S.A. :PCT/US2013/067001 :28/10/2013 :WO 2014/070632 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant :Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)SURYAVANSHI Vijay
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure is directed to obtaining metadata related to a target of a short uniform resource locator (URL). An embodiment transmits (520; 720) the short URL to a server (415; 515) receives (530; 730) a response from the server wherein the response includes a pointer to an actual URL requests (540; 740) metadata related to the actual URL from the server and receives (550; 750) the metadata for the actual URL from the server. An embodiment is directed to confirming a target of a short uniform resource locator (URL). The embodiment receives (810) the short URL obtains (820) metadata related to an actual URL based on the short URL extracts (830) a host website from the metadata determines (840) whether the actual URL points to the host website and sends (850) a notification of a result of the determining.



No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :07/04/2015

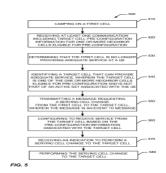
(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR PRE CONFIGURING FOR A SERVING CELL CHANGE TO NEIGHBOR CELLS

(51) International classification :H04W36/00,H04W36/08 (71)Name of Applicant : (31) Priority Document No :61/723631 1)OUALCOMM INCORPORATED (32) Priority Date :07/11/2012 Address of Applicant : Attn: International IP Administration (33) Name of priority country 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/059233 (72) Name of Inventor: Filing Date :11/09/2013 1)MOHAN Siddharth (87) International Publication No :WO 2014/074217 2)KAPOOR Rohit (61) Patent of Addition to Application 3)SUN Haitong :NA Number 4)SAMBHWANI Sharad Deepak :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Aspects related to pre configuring for a serving cell change to neighbor cells are described. In one example a user equipment (UE) may camp on a first cell. The UE may receive at least one communication including target cell pre configuration information for one or more neighbor cells eligible for pre configuration. The UE may determine that the first cell is no longer providing adequate service and identify a target cell which may be one of the one or more neighbor cells but is not part of an active set for the UE. The UE may transmit a message (e.g. Event 1d) requesting a serving cell change to the target cell. The UE may configure to receive service from the target cell based on the pre configuration information associated with the target cell. The UE may receive an indication to perform the serving cell change and perform the serving cell change.



No. of Pages: 47 No. of Claims: 20

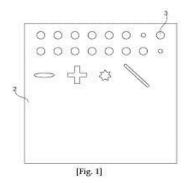
(22) Date of filing of Application :24/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR PROVIDING SPACERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29C 65/00 :102014005146.3 :05/04/2014 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)AIRBUS DEFENCE AND SPACE GMBH Address of Applicant:WILLY-MESSERSCHMITT- STRASSE 1, 85521 OTTOBRUNN, GERMANY Germany (72)Name of Inventor: 1)Thomas Koerwien
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The present invention relates to a method for providing spacers (5) on a construction component (1) to be adhered. The method comprises the following steps: applying a planar formation (2) on the construction component (1) to be adhered, wherein the planar formation (2) comprises passages (3), and inserting a setting liquid (4) in the passages (3) of the planar formation (2), so that the liquid (4) forms spacer (5) on the construction component (1) to be adhered after setting and peeling off the planar formation (2), wherein the spacer (5) ensures a predetermined minimum bondline when adhereing the construction component (1). The present invention further relates to a construction component (1) with such planar formation (2) with passages (3).



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

(22) Date of filing of Application :26/03/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: SULFAMOYL ARYLAMIDES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B

(51) International

:C07D309/14,C07D231/14,C07D333/46

classification

(31) Priority Document :12182076.5

(32) Priority Date :28/08/2012

(33) Name of priority

:EPO country

(86) International

:PCT/EP2013/067821 Application No :28/08/2013

Filing Date

(87) International

:WO 2014/033170 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)JANSSEN SCIENCES IRELAND UC

Address of Applicant : Eastgate Village Eastgate Little Island

Co Cork Ireland

(72) Name of Inventor:

1)VANDYCK Koen

2)LAST Stefaan Julien

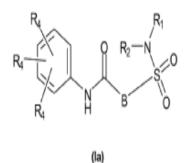
3)ROMBOUTS Geert

4) VERSCHUEREN Wim Gaston

5) RABOISSON Pierre Jean Marie Bernard

#### (57) Abstract:

124Inhibitors of HBV replication of Formula (I) including stereochemically isomeric forms and salts hydrates solvates thereof wherein B R R and R have the meaning as defined herein. The present invention also relates to pharmaceutical compositions containing these inhibitors and to their use alone or in combination with other HBV inhibitors in HBV therapy.



No. of Pages: 178 No. of Claims: 13

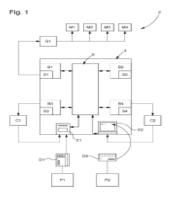
(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: GEOGRAPHIC IDENTIFICATION OF POINT OF SALE AND TRACKING OF SALE

(51) International classification	:G06Q20/00,G06Q30/00	(71)Name of Applicant:
(31) Priority Document No	:13/650675	1)NAGRAID S.A.
(32) Priority Date	:12/10/2012	Address of Applicant :Le Crat du Locle 10 CH 2301 La Chaux
(33) Name of priority country	:U.S.A.	de Fonds Switzerland
(86) International Application No	:PCT/EP2013/069056	(72)Name of Inventor:
Filing Date	:13/09/2013	1)BERNHEIM Patrick
(87) International Publication No	:WO 2014/056673	
(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 system of geographic identification of the point of sale and of tracking of the sale of a consumer good sold by a merchant. The system comprises a bank payment network (4) a sales terminal (E1) and a first element (B1) of the bank payment network. The first element (B1) is configured (a) to issue an authentication medium (D1) to be sent to the sales terminal (E1) the authentication medium (D1) containing an identification number the format of which is compatible with that accepted by the bank payment network (4) the identification number being linked to a consumer good; (b) to receive from the sales terminal (E1) via the bank payment network (4) the identification number extracted or captured by the sales terminal (E1) at the time of a sale of a consumer good; and (c) to receive from the bank payment network (4) information relating to the sale in order to identify the geographic location of the point of sale and to authenticate the sales operation corresponding to the identification number received.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.674/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ANTI HER2 ANTIBODY FORMULATION

(51) International classification	:A61K39/395,C07K16/32	(71)Name of Applicant :
(31) Priority Document No	:61/745293	1)GLENMARK PHARMACEUTICALS S.A.
(32) Priority Date	:21/12/2012	Address of Applicant :Chemin de la Combeta 5 CH 2300 La
(33) Name of priority country	:U.S.A.	Chaux de Fonds Switzerland
(86) International Application No	:PCT/EP2013/077166	(72)Name of Inventor:
Filing Date	:18/12/2013	1)ALBANESE Jonathan Andre
(87) International Publication No	:WO 2014/096051	2)GIOVANNINI Roberto pierlorenzo
(61) Patent of Addition to Application	:NA	3)O'MAHANY Kevin niall
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A pharmaceutical formulation is described comprising a therapeutically effective amount of an antibody an acetate buffer a lyoprotectant a bulking agent and a surfactant.

No. of Pages: 111 No. of Claims: 32

(22) Date of filing of Application :26/03/2015

(43) Publication Date: 29/04/2016

# (54) Title of the invention : FUSED BICYCLIC SULFAMOYL DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B

(51) International

:C07D231/56,C07D261/20,A61K31/416

classification

(31) Priority Document :12182078.1

No

(32) Priority Date :28/08/2012

(33) Name of priority

country :EPO

(86) International

Application No :PCT/EP2013/067814

Filing Date

:28/08/2013

(87) International

Publication No :WO 2014/033167

(61) Patent of Addition to :NA

Application Number :NA :NA

(62) Divisional to
Application Number
:NA
:NA

Filing Date :N.

(71)Name of Applicant:

1)JANSSEN SCIENCES IRELAND UC

Address of Applicant : Eastgate Village Eastgate Little Island

Co Cork Ireland

(72)Name of Inventor:

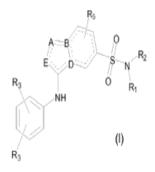
1)VANDYCK Koen

2) VERSCHUEREN Wim Gaston

3)RABOISSON Pierre Jean Marie Bernard

#### (57) Abstract:

1235Inhibitors of HBV replication of Formula (I) including stereochemically isomeric forms and salts hydrates solvates thereof wherein A E R R R and R have the meaning as defined herein. The present invention also relates to processes for preparing said compounds pharmaceutical compositions containing them and their use alone or in combination with other HBV inhibitors in HBV therapy.



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

(22) Date of filing of Application :01/04/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: LOAD ESTIMATOR FOR CONTROL OF VAPOR COMPRESSION COOLING SYSTEM WITH PUMPED REFRIGERANT ECONOMIZATION

(51) International classification :F24F5/00,F25B41/04,F25B49/02 (71)Name of Applicant: (31) Priority Document No :61/710138 (32) Priority Date :05/10/2012 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2013/063531 :04/10/2013 Filing Date

(87) International Publication :WO 2014/055914 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)LIEBERT CORPORATION

Address of Applicant: 1050 Dearborn Drive Columbus Ohio

43085 U.S.A.

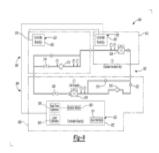
(72) Name of Inventor:

1)LU, Zongtao 2)HAGGY Greg

3)SCHRADER Timothy J 4)SILLATTO Stephen 5)JUDGE John F

### (57) Abstract:

A cooling system has a direct expansion mode and a pumped refrigerant economizer mode and a controller. The controller includes a load estimator that estimates real time indoor load on the cooling system and uses the estimated real time indoor load to determine whether to operate the cooling system in the pumped refrigerant economizer mode or in the direct expansion mode.



No. of Pages: 41 No. of Claims: 8

(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: BUTADIENE EXTRACTION PROCESS

(51) International classification :C07C7/10,C07C11/167,B01J19/24

(31) Priority Document No :61/709581 (32) Priority Date :04/10/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/060515

No Filing Date :19/09/2013

(87) International Publication .WO 2014/0552

WO 2014/055249

(61) Patent of Addition to Application Number :NA :NA

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)LUMMUS TECHNOLOGY INC.

Address of Applicant: 1515 Broad Street Bloomfield NJ 07003

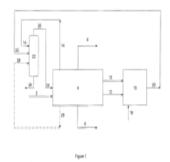
3096 U.S.A.

(72)Name of Inventor:

1)BRUMMER Robert John 2)SCHWINT Kevin John 3)DWYER Thomas Alexander

### (57) Abstract:

A process for recovering butadiene from a Cfraction is disclosed. The process may include: contacting a mixed Cstream comprising butane butene and butadiene with a solvent comprising an organic solvent and water in a butadiene pre absorber column to recover an overheads fraction comprising at least a portion of the butane butene and water and a first bottoms fraction comprising the organic solvent butadiene and at least a portion of the butene; and feeding the first bottoms fraction to a butadiene extraction unit to recover a butene fraction a crude butadiene fraction and a solvent fraction.



No. of Pages: 27 No. of Claims: 16

(22) Date of filing of Application :07/04/2015

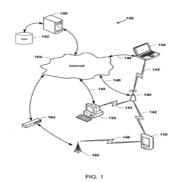
(43) Publication Date: 29/04/2016

# (54) Title of the invention : OPTIMIZING OFFLINE MESSAGE (NETWORK HISTORY) DELIVERY FOR USERS ACCESSING AN APPLICATION FROM A SINGLE 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>	:28/10/2013 :WO 2014/070637	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)SURYAVANSHI Vijay  2)SHUMAN Mohammed Ataur,R.
` '	:NA :NA :NA :NA	2)orterviri ( Pronumineu Pranur)

#### (57) Abstract:

Devices systems and methods for sending messages from a web service server to a computing device shared by a current user and another offline user while maintaining privacy for the other offline user s messages and decreasing bandwidth requirements for transmission of messages may include registering the user and the offline user of the computing device with the web service server receiving at the web service server from the computing device a login by a first user wherein the first user is determined to be the current user checking a database for undelivered messages for the at least one offline user who is not currently accessing the web service server wherein any user who is not a current user is determined to be an offline user encrypting each offline user's undelivered messages sending the undelivered messages to the computing device and storing offline user encrypted undelivered messages in the computing device.



No. of Pages: 59 No. of Claims: 53

(22) Date of filing of Application :24/10/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: Mini Thermoelectric Refrigerator

(51) International classification	n:F25B21/02, A61J1/16, F25B27/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Sandip Foundation™s Sandip Institute of Technology &
(32) Priority Date	:NA	Research Centre
(33) Name of priority country	:NA	Address of Applicant :Sandip institute of Technology &
(86) International Application No Filing Date	:PCT// :01/01/1900	Research Centre, Mahiravani, Trimbak road, Nashik, Maharashtra Maharashtra India (72)Name of Inventor:
(87) International Publication No	: NA	1)Prof. A S Dube 2)JADHAV SHARAD BHIKAJI
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	3)BHUSHAN D CHAUDHARI 4)SONAWANE TUSHAR RAJARAM 5)PATIL SHUBHAM MAHENDRA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

ABSTRACT Present invention provides specially the development, analysis and optimization of evaporative heat exchanger to cool drinking water. As there is huge loss of electrical energy for cooling appliances, the system is developed to cool the water coming from water tank and make it drinkable directly without cooling it with other secondary coolers like refrigerator or any other cooling method which consumes electricity. So the evaporative heat exchanger is developed by mounting cooling coil after the tank and the hot water coming from tank which has temperature of range 30-35 in summer days is supplied through the cooling coil, this cooling coil is covered by using wick material which evaporates sprinkled water by reducing its partial pressure and heat required for evaporation of water is taken by water flowing through cooling coil and the principle of evaporative cooling is obtained and then the temperature of water is reduced up to desired value 22-24 which can be drink directly. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the constructional diagram of the present invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.668/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COSMETIC COMPOSITION

:NA

(51) International classification	n:A61K8/365,A61K8/49,A61Q1/02	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2012/082775	1)UNILEVER PLC
(32) Priority Date	:11/10/2012	Address of Applicant :Unilever House 100 Victoria
(33) Name of priority country	:China	Embankment London EC4Y 0DY U.K.
(86) International Application	PCT/ED2012/067071	(72)Name of Inventor:
No	:PCT/EP2013/067971	1)WU Chunwei
Filing Date	:30/08/2013	
(87) International Publication	:WO 2014/056659	
No	.WO 2014/030039	
(61) Patent of Addition to	:NA	
Application Number	·= ·= =	
Filing Date	:NA	
(62) Divisional to Application	. N I A	
Number	:NA	

# (57) Abstract:

Filing Date

Disclosed is a cosmetic composition comprising particles dispersed in a cosmetically acceptable carrier wherein the particles comprise redox dye and reducing agent.

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

(22) Date of filing of Application :03/04/2015

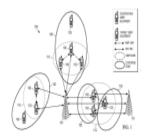
(43) Publication Date: 29/04/2016

# (54) Title of the invention : TERMINAL BASED GROUPING VIRTUAL TRANSMISSION AND RECEPTION IN WIRELESS NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H04B7/26 :13/646549 :05/10/2012 :U.S.A. :PCT/CN2013/084933 :10/10/2013 :WO 2014/053102	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)MAAREF Amine 2)BALIGH Mohammadhadi
Filing Date	:10/10/2013	1)MAAREF Amine
(87) International Publication No (61) Patent of Addition to Application	:WO 2014/053102	2)BALIGH Mohammadhadi 3)MA Jianglei
Number	:NA	S)WA Jiangei
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Virtualized group wise communications between a wireless network and a plurality of user equipments (UEs) are supported using UE cooperation. UE cooperation includes receiving at a cooperating UE (CUE) downlink information from the wireless network destined for a target UE (TUE) and associated with a group identifier (ID). The group ID indicates a virtual multi point (ViMP) node that includes the TUE and the CUE. The UE cooperation also includes sending the downlink information to the TUE. The UE or UE component can have a processor configured to forward between the wireless network and a TUE at least some information that is associated with a group ID indicating a Vi MP node that groups the TUE and the UE.



No. of Pages: 25 No. of Claims: 35

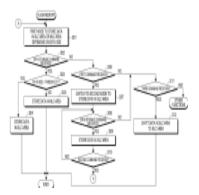
(22) Date of filing of Application :04/04/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: APPARATUS AND METHOD FOR STORING DATA IN TERMINAL

(51) International classification: G06F3/06,G06F12/00,G06F13/14 (71) Name of Applicant: (31) Priority Document No :10-2012-0100602 1)SAMSUNG ELECTRONICS CO. LTD. (32) Priority Date :11/09/2012 Address of Applicant: 129 Samsung ro Yeongtong gu Suwon (33) Name of priority country si Gyeonggi do 443 742 Republic of Korea :Republic of Korea (72)Name of Inventor: (86) International Application :PCT/KR2013/008231 1)SHIN Hee-sub No :11/09/2013 Filing Date (87) International Publication :WO 2014/042435 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Provided is an apparatus and method for storing data in a terminal are provided. The apparatus includes a processor for sending a first command to a memory to instruct storage of data in a Single Level Cell (SLC) area of the memory if a function requiring high speed storage of large amounts of data is selected; and the memory for storing received data in the SLC area regardless of a size of the data upon receiving the first command from the processor.



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

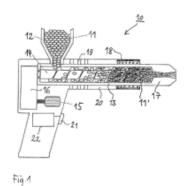
(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR PRODUCING A FOAM ELEMENT AND PORTABLE FOAM EXTRUDER

(51) International classification	:B29C47/00,B29C44/34	(71)Name of Applicant:
(31) Priority Document No	:12188546.1	1)SIKA TECHNOLOGY AG
(32) Priority Date	:15/10/2012	Address of Applicant :Zugerstrasse 50 CH 6340 Baar
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/070313	(72)Name of Inventor:
Filing Date	:30/09/2013	1)ACKERMANN Herbert
(87) International Publication No	:WO 2014/060205	2)CLIFFORD Jeannette
(61) Patent of Addition to Application	:NA	3)HOEFFLIN Frank
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Method for producing a foam element wherein an expandable starting material of the foam material is supplied to a portable extruder (10) in the form of granules (11) is activated or fused therein under pressure and the effect of heat and is expanded to a foam element during the manually controlled discharge from the extruder.



No. of Pages: 26 No. of Claims: 16

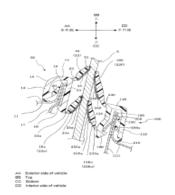
(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BELT MOLDING FOR VEHICLE

(51) International classification	:B60J10/04	(71)Name of Applicant:
(31) Priority Document No	:2012234180	1)TOKAI KOGYO CO. LTD.
(32) Priority Date	:04/10/2012	Address of Applicant :4 1 Nagane cho Obu shi Aichi 4748688
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2013/076997	(72)Name of Inventor:
Filing Date	:03/10/2013	1)KUNO Haruhito
(87) International Publication No	:WO 2014/054757	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One of the purposes of the present invention is to provide a belt molding that has contact parts suitable for respective sealing parts. This belt molding is to come into contact with a window plate (5) that is installed in a vertically movable manner in a window opening (3) of a vehicle door (1). The belt molding has at least two or more sealing parts (16 16a) and contact parts (24 24a) are formed on the respective sealing parts. Fiber layers (25 25a) composed of innumerable fibers are formed on the contact parts (24 24a) and the types of fibers constituting the fiber layers (25 25a) are different from each other. Consequently contact parts suitable for the respective sealing parts can be obtained at the respective positions where the sealing parts are formed.



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

(22) Date of filing of Application :26/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : DETERMINING COGNITIVE LOAD OF A SUBJECT FROM ELECTROENCEPHALOGRAPHY (EEG) SIGNALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04R25/00 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India (72)Name of Inventor: 1)SINHARAY, Arijit 2)CHATTERJEE, Debatri 3)PAL, Arpan
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#### (57) Abstract:

Disclosed is a method and system for determining a cognitive load of a subject from Electroencephalography (EEG) signals. EEG signals are received from EEG channels associated with a left-frontal brain lobe. EEG signals are associated with a subject performing cognitive task. EEG signals are received from a low resolution EEG device. EEG channels comprise four EEG channels associated with the left-frontal brain lobe. EEG signals are preprocessed using a Hilbert-Huang Transform (HHT) filter to remove a noise corresponding to one or more non-cerebral artifacts to generate preprocessed EEG signals. Features comprising Fast Fourier Transform (FFT) based alpha and theta band power are extracted from the preprocessed EEG signals. Feature vector is generated from the features. The feature vector is classified using a Support Vector Machine (SVM) classifier to determine the cognitive load of the subject.

No. of Pages: 28 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.676/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: COMBINATION OF A MACROCYCLIC PROTEASE INHIBITOR OF HCV A NON NUCLEOSIDE HCV INHIBITOR AND RITONAVIR

(51) International :A61K31/427,A61K31/4709,A61K31/55

classification (31) Priority Document

:12182551.7 (32) Priority Date :31/08/2012

(33) Name of priority

:EPO country

(86) International

:PCT/IB2013/058138 Application No :30/08/2013

Filing Date

(87) International

:WO 2014/033668 **Publication No** 

:NA

(61) Patent of Addition to Application Number

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)JANSSEN PHARMACEUTICALS INC.

Address of Applicant :1125 Trenton Harbourton Road

Titusville New Jersey 08560 U.S.A.

(72) Name of Inventor:

1)ROUAN Marie Claude

2)SNOEYS Jan

# (57) Abstract:

The present invention relates to a combination of a macrocyclic NS3/4A protease inhibitor of HCV a HCV NS5B polymerase inhibiting non nucleoside and ritonavir.

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

(22) Date of filing of Application :26/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: SULFAMOYL ARYLAMIDES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B

(51) International :A61K31/18,A61K31/337,A61K31/341 classification

(31) Priority Document

:12182076.5

(32) Priority Date :28/08/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/067829 Application No

:NA

:28/08/2013 Filing Date

(87) International

:WO 2014/033176 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

Co Cork Ireland

(72) Name of Inventor:

(71)Name of Applicant:

1)VANDYCK Koen

2)LAST Stefaan Julien 3)ROMBOUTS Geert

4) VERSCHUEREN Wim Gaston

5) RABOISSON Pierre Jean Marie Bernard

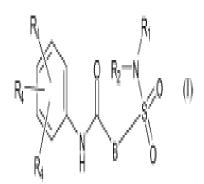
1)JANSSEN SCIENCES IRELAND UC

Address of Applicant : Eastgate Village Eastgate Little Island

#### (57) Abstract:

Filing Date

124Inhibitors of HBV replication of Formula (I) including stereochemically isomeric forms and salts hydrates solvates thereof wherein B R R and R have the meaning as defined herein. The present invention also relates to processes for preparing said compounds pharmaceutical compositions containing them and their use alone or in combination with other HBV inhibitors in HBV therapy.



No. of Pages: 178 No. of Claims: 13

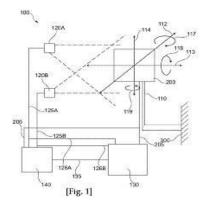
(22) Date of filing of Application :27/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: TESTING APPARATUS FOR VISUAL SYSTEMS

(51) International classification	:A61B3/06	(71)Name of Applicant :
(31) Priority Document No	:102014005030.0	
(32) Priority Date	:05/04/2014	Address of Applicant :WILLY-MESSERSCHMITT-
(33) Name of priority country	:Germany	STRASSE 1, 85521 OTTOBRUNN, GERMANY Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Emanuel Ermann
(87) International Publication No	: NA	2)Daniel Werner
(61) Patent of Addition to Application Number	:NA	3)Oliver Krebs
Filing Date	:NA	4)Marco Schad
(62) Divisional to Application Number	:NA	5)Ralf Caspari
Filing Date	:NA	

#### (57) Abstract:

A testing apparatus (100) for testing visual systems is specified. The testing apparatus comprises a moveable holding device (110) for holding a viewing unit (200) of the visual system, a position detection unit (120A, 120B) for detecting the position and alignment of the viewing unit (200), and a test-conducting unit (140). The holding device (110) is designed to perform a movement of the viewing unit (200) with a rotational degree of freedom. The position detection unit (120A, 120B) is designed to detect the position and the alignment of the viewing unit (200). The test-conducting unit (140) is coupled to the position detection unit (120A, 120B) in such a manner that a detected position and alignment of the viewing unit can be transmitted to the test-conducting unit (140), wherein the test-conducting unit (140) is also designed to determine a field of view as a function of the detected position and alignment of the viewing unit (200). The test-conducting unit (140) is furthermore designed to read in a field of view actually displayed by the viewing unit and to compare the determined field of view with the read-in field of view. The testing apparatus thus enables an accurate and reproducible testing of visual systems, in particular of augmented visual systems.



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

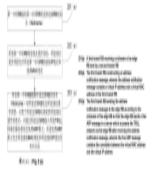
(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: MESSAGE SENDING METHOD ROUTING BRIDGE AND SYSTEM

(51) International classification	:H04L12/703	(71)Name of Applicant:
(31) Priority Document No	:201210384620.0	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:11/10/2012	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2013/084631	(72)Name of Inventor:
Filing Date	:29/09/2013	1)SUN Xingguo
(87) International Publication No	:WO 2014/056412	2)ZL Kang
(61) Patent of Addition to Application	:NA	3)CHEN Wei
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a method, routing bridge, and system for sending a packet, which are applied to the field of communications technologies, and are invented to reduce a signaling overhead of a TRILL network. The method includes: receiving, by a first transit RB, a Nickname Nickname of an edge RB sent by a second transit RB; constructing, by the first transit RB, an address advertisement message, where the address advertisement message includes a virtual IP address and a virtual MAC address of the first transit RB; and sending, by the first transit RB, the address advertisement message to the edge RB according to the Nickname of the edge RB, so that the edge RB sends, after receiving the address advertisement message, a free ARP packet to a server that accesses the TRILL network through the edge RB, where the free ARP packet includes a correspondence between the virtual MAC address and the virtual IP address. The present invention is mainly applied to a multi-gateway load balancing technology of a TRILL network.



No. of Pages: 37 No. of Claims: 10

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: PYRAZOLOPYRIDINE DERIVATIVES AS TTX S BLOCKERS

(51) International classification :C07D471/04,A61K31/437,A61P1/00

(31) Priority Document No :61/720974 (32) Priority Date :31/10/2012 (33) Name of priority

country :U.S.A.

(86) International PCT/JP2013/006475 Application No

Filing Date :31/10/2013

(87) International Publication No :WO 2014/068988

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)RAQUALIA PHARMA INC.

Address of Applicant: 1 21 19 Meieki Minami Nakamura ku

Nagoya shi Aichi 4500003 Japan

(72)Name of Inventor:
1)KAWAMURA Kiyoshi
2)YAMAGISHI Ttatsuya
3)ARANO Yoshimasa

4)MORITA Mikio

#### (57) Abstract:

The present invention relates to pyrazolopyridine derivatives which have blocking activities of voltage gated sodium channels as the TTX S channels and which are useful in the treatment or prevention of disorders and diseases in which voltage gated sodium channels are involved. The invention also relates to pharmaceutical compositions comprising these compounds and the use of these compounds and compositions in the prevention or treatment of such diseases in which voltage gated sodium channels are involved.



No. of Pages: 317 No. of Claims: 16

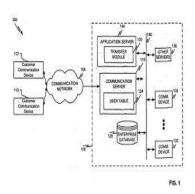
(22) Date of filing of Application :29/01/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CALL CONTEXT CONVEYANCE

(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 (83) International Publication Number Filing Date (84) Patent of Addition to Application Number Filing Date (85) Divisional to Application Number Filing Date (86) NA	
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#### (57) Abstract:

A communication system, method, and components are described. Specifically, a communication system having the ability to carry a transitive context and communicate the transitive context to new participant user agents for continuity through all related call dialogs is disclosed. The transitive context communication is possible through the use of a newly created SIP dialog using a REFER message and/or an INVITE message for all call flows and topology change operations.



No. of Pages: 33 No. of Claims: 10

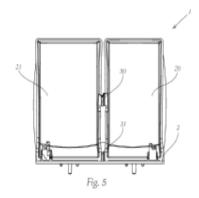
(22) Date of filing of Application :23/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LIGHT MODULE WITH TWO OR MORE REFLECTORS 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 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>	:13/09/2013 :WO 2014/056012 :NA :NA	(71)Name of Applicant:  1)ZIZALA LICHTSYSTEME GMBH Address of Applicant: Scheibbser Strae 17 A 3250 Wieselburg Austria (72)Name of Inventor: 1)BAUER Friedrich 2)MEJTA Peter
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a light module (1) for a motor vehicle or for a motor vehicle headlamp wherein the light module (1) has at least two or more light sources (10 11) which are positioned in defined positions relative to one another and wherein the light module (1) also has two or more reflectors (20 21). At least one reflector (20 21) is assigned to each light source (10 11) and at least one of the reflectors (20 21) is movably connected to at least one adjacent reflector (20 21).



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

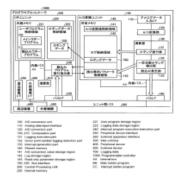
(22) Date of filing of Application :23/03/2015 (43) Publication Date : 29/04/2016

### (54) Title of the invention: ANALOG CONVERSION DEVICE AND PROGRAMMABLE CONTROLLER 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>	:G05B19/05 :NA :NA :NA :NA :PCT/JP2012/077786 :26/10/2012 :WO 2014/064846 :NA :NA :NA	(71)Name of Applicant:  1)MITSUBISHI ELECTRIC CORPORATION Address of Applicant: 7 3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan (72)Name of Inventor: 1)OCHIAI Shinichiro
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

Provided is an A/D conversion device comprising: an A/D conversion part (120) which converts to a digital value an analog value which is inputted from outside; a shared memory (140) further comprising an A/D conversion value storage region (141) which stores the converted digital value and a log storage region (142) which logs the digital value which is stored in the A/D conversion value storage region (141) and whereby read access is possible from a central processing unit (200) which controls a programmable controller overall; a logging execution part (131) which stores in the log storage region (142) the digital value which is stored in the A/D conversion value storage region (141) as logging data (700); a given point number logging detection part (132) which monitors whether after carrying out a preceding interrupt generation request the number of items of the logging data (700) which is stored in the log storage region (142) has reached a prescribed number; and an interrupt generation part (133) which if the number of items of the logging data (700) has reached the prescribed number carries out an interrupt generation request with respect to the central processing unit (200).



No. of Pages: 27 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.412/MUM/2015 A

(19) INDIA

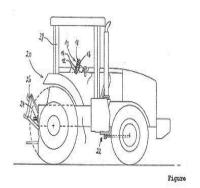
(22) Date of filing of Application :09/02/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: OPERATOR CONTROL 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:H04W :102014202924.4 :18/02/2014 :Germany :NA :NA : NA :NA	(71)Name of Applicant:  1)DEERE & COMPANY Address of Applicant:ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265-8098, US U.S.A. (72)Name of Inventor: 1)WEIER MICHAEL
. ,		

# (57) Abstract:

The invention relates to an operator control unit for operating functions of an agricultural work vehicle with an all-wheel drive which can be activated as required, a power take-off shaft which can be activated as required, and a power lift which can be adjusted between a raised and a lowered position.



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

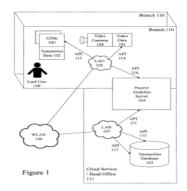
(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TRANSACTION VERIFICATION SYSTEM

(51) International classification	:G07C9/00	(71)Name of Applicant:
(31) Priority Document No	:61/694078	1)SOLINK CORPORATION
(32) Priority Date	:28/08/2012	Address of Applicant :350 Legget Drive Ottawa Ontario K2K
(33) Name of priority country	:U.S.A.	2W7 Canada
(86) International Application No	:PCT/CA2013/000740	(72)Name of Inventor:
Filing Date	:27/08/2013	1)O'REILLY John
(87) International Publication No	:WO 2014/032162	2)YOUMARAN Richard
(61) Patent of Addition to Application	:NA	3)PALIGA Andrzeg
Number	:NA	4)MATTA Michael
Filing Date	.11/1	5)WADDINGTON Christopher
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An analytics server for use in a transaction system with a terminal for performing authenticated user initiated transactions and generating transaction data including a user identity associated with each transaction and a camera for capturing image data of a user performing an authenticated transaction at the terminal is configured to extract user characteristic features from the image data associated with authenticated transactions and iteratively update a user database of the user characteristic features over multiple authenticated transactions. The analytics server is further configured to compute a match score based on preset rules of the user characteristic features for a current transaction with the user characteristic features associated with a current user stored in the user database and raise an alarm when the match score fails to meet a threshold value.



No. of Pages: 60 No. of Claims: 52

(22) Date of filing of Application :27/03/2015

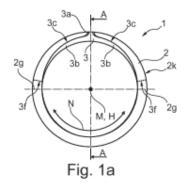
(43) Publication Date: 29/04/2016

# (54) Title of the invention : INFRARED REFLECTING PIGMENT BASED ON TITANIUM DIOXIDE AND METHOD FOR PRODUCING IT

(51) International classification (31) Priority Document No	:10 2012 017 854.9	(71)Name of Applicant: 1)KRONOS INTERNATIONAL INC.
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:08/09/2012 :Germany	Address of Applicant :Postfach 10 07 20 51307 Leverkusen Germany
(86) International Application No	:PCT/EP2013/002576	(72)Name of Inventor:
Filing Date	:27/08/2013	1)SCHMIDT Michael
(87) International Publication No	:WO 2014/037083	2)SCHARF,Katja
(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 rutile titanium dioxide pigment particles which are capable of reflecting infrared radiation to a high degree and of exhibiting pigmenting properties and also to a method for producing them. The particles have an average size of 0.4 to  $1.0 \mu m$  and are doped with zinc and potassium but not with aluminium. The particles have a stocky shape with a preferred side ratio of 1.5:1. The particles are produced preferably by the known sulphate process for producing titanium dioxide and after having been calcined are optionally given an organic and/or inorganic aftertreatment. The rutile titanium dioxide particles of the invention are suitable for producing heat insulation paints varnishes or plastics and also for example for producing renders or paving stones.



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

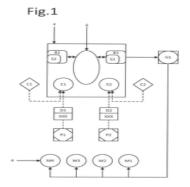
(22) Date of filing of Application :26/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CERTIFICATION OF ORIGIN

(51) International classification	:G09F3/02	(71)Name of Applicant:
(31) Priority Document No	:13/650677	1)NAGRAID S.A.
(32) Priority Date	:12/10/2012	Address of Applicant :Le Crat du Locle 10 CH 2301 La Chaux
(33) Name of priority country	:U.S.A.	de Fonds Switzerland
(86) International Application No	:PCT/EP2013/069057	(72)Name of Inventor:
Filing Date	:13/09/2013	1)BERNHEIM Patrick
(87) International Publication No	:WO 2014/056674	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a system of certification of origin of a consumer good the system comprising a bank payment network (4) a point of entry terminal (E1) a bank payment network element (B1) and a verification element (G1). The network element (B1) is configured to issue an authentication medium (D1) to be sent to the point of entry terminal (E1) the authentication medium (D1) containing an identification number. The point of entry terminal (E1) is configured to extract or capture the identification number from the authentication medium (D1) at the time of a request for certification of the origin of a consumer good and to transmit the request for certification of origin with the identification number via the bank network to the network element (B1) which is configured to transfer the identification element to the verification element (G1) arranged to verify the origin of the good.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.761/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/04/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: HARD SCAFFOLD

(51) International :A61L27/06,A61L27/10,A61L27/30 classification

(31) Priority Document No :1251044-2

(32) Priority Date :18/09/2012 (33) Name of priority country: Sweden

(86) International Application :PCT/EP2013/069250

:17/09/2013 Filing Date

(87) International Publication :WO 2014/044666

(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)CORTICALIS AS

Address of Applicant: Haakonsvei 5 N 1450 Nesoddtangen

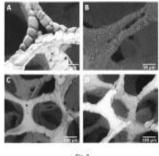
Norway

(72) Name of Inventor:

1)LYNGSTADAAS.S.Petter 2)HAUGEN Havard J 3)TIAINEN Hanna

(57) Abstract:

The present document is directed to medical implants in the form of titanium dioxide scaffolds. Disclosed is a method for producing titanium dioxide scaffolds having an increased mechanical strength by recoating the titanium dioxide scaffold with a low viscosity titanium dioxide slurry in a vacuum infiltration process followed by sintering of the scaffold. The document is also directed to the recoated titanium dioxide scaffolds produced and their uses as medical implants.



No. of Pages: 52 No. of Claims: 12

(22) Date of filing of Application :02/04/2015 (43) Publication Date: 29/04/2016

### (54) Title of the invention: METHOD FOR PRODUCING AN ALGINATE COATED TITANIUM DIOXIDE SCAFFOLD

(51) International :A61L27/06,A61L27/10,A61L27/34 classification

(31) Priority Document No :1251042-6 (32) Priority Date :18/09/2012

(33) Name of priority country: Sweden

(86) International Application :PCT/EP2013/069343

:18/09/2013

Filing Date

(87) International Publication :WO 2014/044697

(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)CORTICALIS AS

Address of Applicant : Haakonsvei 5 N 1450 Nesoddtangen

Norway

(72)Name of Inventor:

1)LYNGSTADAAS.S.Petter 2)HAUGEN Havard J 3)TIAINEN Hanna

The present document is directed to medical prosthetic devices used for implantation to replace and/or restore lost functions in a body. The document discloses a method for producing an alginate coated titanium dioxide scaffold wherein the alginate coating optionally comprises a biologically active substance.

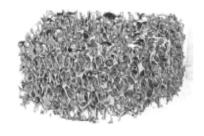


Fig. 26

No. of Pages: 121 No. of Claims: 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.763/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/04/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: HYDROGEL COATED SCAFFOLD

(51) International :A61L27/06,A61L27/10,A61L27/34 classification

(31) Priority Document No :1251043-4 (32) Priority Date :18/09/2012

(33) Name of priority country: Sweden

(86) International Application :PCT/EP2013/069355

No :18/09/2013

Filing Date

(87) International Publication :WO 2014/044704

(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)CORTICALIS AS

Address of Applicant : Haakonsvei 5 N 1450 Nesoddtangen

Norway

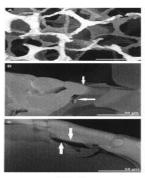
(72)Name of Inventor:

1)LYNGSTADAAS.S.Petter 2)HAUGEN Havard J

3)TIAINEN Hanna

### (57) Abstract:

The present document is directed to a titanium dioxide scaffold comprising a hydrogel coating comprising a biologically active substance. Also disclosed is a method for producing a thin hydrogel coating on a titanium dioxide scaffold and uses of the hydrogel coated scaffolds as medical implants.



No. of Pages: 130 No. of Claims: 13

(22) Date of filing of Application :23/03/2015

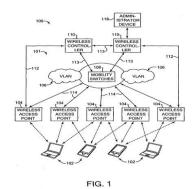
(43) Publication Date: 29/04/2016

# (54) Title of the invention: CONFIGURATION OF NETWORKS USING SWITCH DEVICE ACCESS OF REMOTE SERVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F3/12 :61/969,242 :23/03/2014 :U.S.A. :NA :NA :NA	
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Implementations relate to configuration of networks using switch device access of a remote server. In some implementations, a method includes sending a request from an edge configuration device to an access control server, where the request requests shortest path bridging (SPB) configuration information for a detected end device connected to the edge configuration device, and where the edge configuration device is connected to an SPB network. The method receives at the edge configuration device the SPB configuration information for the end device from the access control server. The edge configuration device is configured to provide the end device access to the SPB network.



No. of Pages: 58 No. of Claims: 10

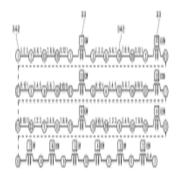
(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: MOTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:03/12/2013 :WO 2014/103180 :NA :NA :NA	(71)Name of Applicant:  1)NIDEC CORPORATION Address of Applicant: 338 Kuzetonoshiro cho Minami ku Kyoto shi Kyoto 6018205 Japan (72)Name of Inventor: 1)HASHIZUME Naohiro 2)MAKINO Yusuke 3)HIWA Takahiro 4)OSUGA Shohei
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a motor a rotation section includes an armature core having mn teeth (in this case m is an odd number equal to or more than 3 and n is a natural number equal to or more than 2) which radially extend in the radial direction a plurality of coils and a commutator. A static section includes field magnets having 2n magnetic poles and a brush group including at least a first potential brush and at least a second potential brush. The commutator includes a segment group constituted by 2mn segments. In the segment group the potential is cyclically increased or decreased between the first potential and the second potential in regard to a circumferential direction. Further only the coil formed by winding a continuous conducting wire in a predetermined winding direction is disposed in each of k teeth among the mn teeth and only the coil formed by winding the continuous conducting wire in a direction reverse to the predetermined winding direction is disposed in each of teeth disposed at a position separated from each of the k teeth at 360i degrees (in this case i is a natural number equal to or less than (n 1)) of electric angles.



No. of Pages: 34 No. of Claims: 5

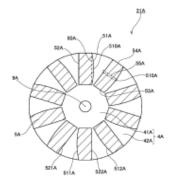
(22) Date of filing of Application :30/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ROTOR AND MOTOR

(51) International classification	:H02K9/00	(71)Name of Applicant:
(31) Priority Document No	:2013106888	1)NIDEC CORPORATION
(32) Priority Date	:21/05/2013	Address of Applicant :338 Kuzetonoshiro cho Minami ku
(33) Name of priority country	:Japan	Kyoto shi Kyoto 6018205 Japan
(86) International Application No	:PCT/JP2013/084576	(72)Name of Inventor:
Filing Date	:25/12/2013	1)ICHIEN Akira
(87) International Publication No	:WO 2014/188628	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A rotor used for an inner rotor motor includes a plurality of magnets arranged circumferentially around the center shaft and a rotor core made of a magnetic body. The rotor core has an inner core and a plurality of outer cores. The plurality of outer cores and a plurality of magnets are alternately and circumferentially arranged radially outside the inner core. The magnet has a pair of circumferential end surfaces as pole surfaces and at least one of the end surfaces is a projecting surface. A portion of the magnet has a circumferential width that is wider than the circumferential width of an outer end surface. Thereby the volume of the magnet is increased without increasing the diameter of the rotor and thus the magnetic force of the rotor can be increased. As a result when incorporating the rotor into a motor the torque of the motor can be improved.



No. of Pages: 53 No. of Claims: 19

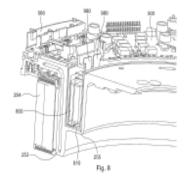
(22) Date of filing of Application :06/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AN ELECTRIC MOTOR OR 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>	:H02K11/00 :1216099.0 :10/09/2012 :U.K. :PCT/IB2013/058408 :09/09/2013 :WO 2014/037920 :NA :NA	(71)Name of Applicant:  1)PROTEAN ELECTRIC LIMITED  Address of Applicant: Protean Electric Limited Silvertree Unit 10b Coxbridge Business Park Alton Road Farnham Surrey GU10 5EH U.K. (72)Name of Inventor:  1)OWEN Geoffrey
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An electric motor or generator comprising a stator having two coil sets arranged to produce a magnetic field for generating a drive torque; two control devices; and a first capacitor arranged to be coupled to a power source for providing current to the two control devices wherein the first control device is coupled to a first coil set and the first capacitor and the second control device is coupled to a second coil set and the first capacitor wherein each control device is arranged to control current in the respective coil set to generate a magnetic field in the respective coil set.



No. of Pages: 53 No. of Claims: 25

(22) Date of filing of Application :24/10/2014

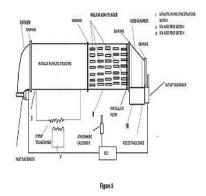
(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR REDUCING POLLUTANTS IN EXHAUST EMISSIONS OF INTERNAL COMBUSTION ENGINES

(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	:F01N13/02, F01N9/00, F01N3/20, F01N3/ :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Subrata Das Address of Applicant: P.O. Vijoynagar, Dist. Sabroom, South Tripura, Tripura, India Maharashtra India  2)Abhisek Sarkar  3)Abhimanyu (72)Name of Inventor:  1)Subrata Das  2)Abhisek Sarkar  3)Abhimanyu
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## (57) Abstract:

Disclosed herein is a method and augmented catalytic converter unit for removal of NOx, CO2, and SO2 and other potential toxic gases from exhaust of internal combustion engines, to thereby result in environmentally safe emissions besides in-situ scavenging of nitrogen and sulfur in the form of ready-to-use commercially valuable products. Figure to accompany the published abstract: Figure 3



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

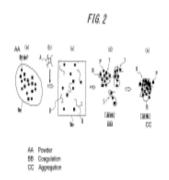
(22) Date of filing of Application :31/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR UNLOADING WATER CONTAINING BULK 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 Filing Date</li> <li>(87) International Publication No</li> </ul>	:B65G69/20,B65G67/60 :2012226979 :12/10/2012 :Japan :PCT/JP2013/078112 :09/10/2013 :WO 2014/058074	(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)KINUGASA Yuki 2)GOTOU Masanori
<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	3)INOUE Yasutoshi

## (57) Abstract:

According to the present invention after adding as a liquid chemical an agent having a polymer flocculant as the main ingredient to a water containing bulk material on a belt conveyor a bridge crane or in a hopper on an unloader and producing water containing bulk material and suspended aggregates in water aggregates are inevitably formed when unloading water containing bulk material by way of transporting with a belt conveyor and damage due to unloading on the belt conveyor can be eliminated by the slurry water.



No. of Pages: 34 No. of Claims: 8

(22) Date of filing of Application :07/04/2015

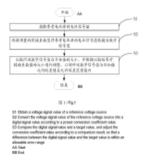
(43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD AND DEVICE FOR ADC AUTOMATIC CORRECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:20/08/2013 :WO 2015/007007 :NA :NA :NA	(71)Name of Applicant:  1)SHENZHEN SKYWORTH RGB ELECTRONIC CO. LTD.  Address of Applicant: 13 16 F Block A Skyworth Building Shennan Road Nanshan District Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)CHEN Hongbo
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and a device for analog to digital converter (ADC) automatic correction are provided. In the method for ADC automatic correction an adjustable reference voltage source is disposed inside a video chip; after the reference voltage source is connected to an ADC device a system calculates according to default performance parameters of the ADC device a target value of a voltage signal value converted into a digital signal value of the reference voltage source; after the voltage signal value is converted by using the ADC device the actual digital signal value is obtained; after the digital signal value and the target value are compared a relevant conversion coefficient value in the ADC device is adjusted so as to achieve the purpose of automatic correction. The correction process of the ADC device is fully automatic without the help of an external correction tool and the correction operation of a professional so that the labor cost is saved the operation work time is shortened and the correction effect is accurate. In addition the device for ADC automatic correction is simple in structure and easy to produce and manufacture.



No. of Pages: 41 No. of Claims: 16

(22) Date of filing of Application: 31/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: SECURITY IN MULTIWAVELENGTH OPTICAL NETWORKS

(51) International :H04B10/85,H04J14/00,H04J14/02

:WO 2014/055475

classification

(31) Priority Document No :13/644121 (32) Priority Date :03/10/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/062803

:01/10/2013 Filing Date

(87) International Publication

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)FMR LLC

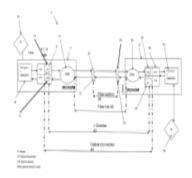
Address of Applicant: 82 Devonshire Street Boston MA 02109

(72) Name of Inventor:

1)LEE Richard

## (57) Abstract:

An optical network including at least one optical network node that receives an optical signal for either transmission or reception. The optical network node analyzes the optical signal and applies communication protocols necessary for optical transmission or reception of the optical signal to or from the optical network. At least one communication module is coupled to the at least one optical network node either decodes or encodes the optical signal by identifying or adding at least one wavelength to the optical signal for security.



No. of Pages: 27 No. of Claims: 30

(22) Date of filing of Application :06/04/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD FOR COMMUNICATION AND POWER CONTROL OF WIRELESS POWER TRANSMITTER IN MAGNETIC RESONANT WIRELESS POWER TRANSMISSION SYSTEM

(51) International classification :H02J17/00 (31) Priority Document No :10-2012-0099113 (32) Priority Date :07/09/2012 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2013/005840 Filing Date :02/07/2013 (87) International Publication No :WO 2014/038779 (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)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor:

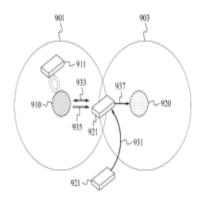
1)KIM Nam Yun

2)KWON Sang Wook

3)PARK Yun Kwon

#### (57) Abstract:

A method for communication and power control of a wireless power transmitter includes transmitting notice information to a wireless power receiver and detecting a wireless power receiver based on the notice information the wireless power receiver accessing the wireless power transmitter. The method further includes determining whether the wireless power receiver is to cease the accessing of the wireless power transmitter based on a power control and/or a power transmission efficiency and transmitting a reset command to the wireless power receiver in response to the wireless power receiver being determined to incorrectly access the wireless power transmitter.



No. of Pages: 52 No. of Claims: 21

(22) Date of filing of Application :06/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ELECTRONIC VEHICLE IDENTIFICATION

(51) International classification :G07B15/06,G (31) Priority Document No :60/689,050 (32) Priority Date :10/06/2005

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2006/002435 Filing Date :12/06/2006

(87) International Publication No :WO/2007/007194

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :35/MUMNP/2008

Filed on :07/01/2008

# :G07B15/06,G08G1/00 (71)Name of Applicant :

## 1)Accenture Global Services Limited

Address of Applicant :3 Grand Canal Plaza, Grand Canal

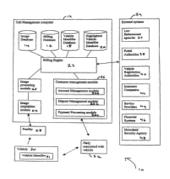
Street Upper, Dublin 4 Ireland Ireland

(72)Name of Inventor: 1)HEDLEY, Jay E.

2)THORNBURG, Neal PATRICK

## (57) Abstract:

Identifying a vehicle in a toll system (1000) includes accessing a set of toll transaction entries. Each entry in the set designates a toll transaction between a vehicle (1030) and the toll system (1026) and includes a transaction descriptor and a transaction time stamp. A series of toll transaction pictures is accessed. The series includes a plurality of pictures, each of which is associated with a picture time stamp. A toll transaction entry is identified from the set as a violation transaction entry based on the transaction descriptor. A toll transaction picture is selected from the series. The transaction time stamp of the violation transaction is compared, using a processing device, with the picture time stamp of the selected toll transaction picture. The selected toll transaction picture is identified as a violation picture corresponding to the violation transaction entry based on a result of the comparison.



No. of Pages: 101 No. of Claims: 28

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

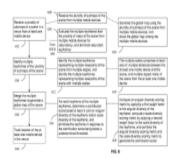
(43) Publication Date: 29/04/2016

# (54) Title of the invention : SYSTEMS AND METHODS OF MERGING MULTIPLE MAPS FOR COMPUTER VISION BASED TRACKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06T7/00 :61/720804 :31/10/2012 :U.S.A. :PCT/US2013/063876 :08/10/2013 :WO 2014/070390 :NA :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor:  1)RAMCHANDRAN Mahesh 2)TYAGI Abhishek 3)DIAZ SPINDOLA Serafin
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## (57) Abstract:

Method apparatus and computer program product for merging multiple maps for computer vision based tracking comprises receiving a plurality of maps of a scene in a venue from at least one mobile device identifying multiple keyframes of the plurality of maps of the scene and eliminating redundant keyframes to generate a global map of the scene.



No. of Pages: 46 No. of Claims: 36

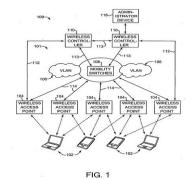
(22) Date of filing of Application :23/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CONFIGURATION OF NETWORKS USING CLIENT DEVICE ACCESS OF REMOTE SERVER

	:H04L29/12,	(71)Name of Applicant :
(51) International classification	G06F15/16,	1)AVAYA, INC
	H04L29/08	Address of Applicant :211, MOUNT AIRY ROAD,
(31) Priority Document No	:61/969,242	BASKING RIDGE, NEW JERSEY 07920, USA. U.S.A.
(32) Priority Date	:23/03/2014	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)JOHN SELIGSON
(86) International Application No	:NA	2)ZENON KUC
Filing Date	:NA	3)JOHN MEAD
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

Implementations relate to configuration of networks using client device access of a remote server. In some implementations, a method includes requesting a management server from an end device for shortest path bridging (SPB) configuration information for the end device to communicate on an SPB network, where the end device communicates with the management server over a non-SPB connection. The SPB configuration information is received from the management server, and the SPB configuration information is sent to an edge configuration device connected to the end device, where the SPB configuration information causes configuration of the edge configuration device to allow communication of the end device on the SPB network.



No. of Pages: 60 No. of Claims: 10

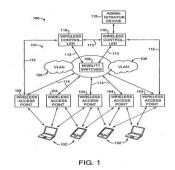
(22) Date of filing of Application :23/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AUTHENTICATION OF CLIENT DEVICES IN NETWORKS

(51) International classification	:G06F15/16	(71)Name of Applicant:
(31) Priority Document No	:61/969,242	
(32) Priority Date	:23/03/2014	Address of Applicant :211, MOUNT AIRY ROAD,
(33) Name of priority country	:U.S.A.	BASKING RIDGE, NEW JERSEY 07920, USA. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOHN SELIGSON
(87) International Publication No	: NA	2)ZENON KUC
(61) Patent of Addition to Application Number	:NA	3)JOHN MEAD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Implementations relate to authentication of end devices in networks. In some implementations, a method includes receiving identity information at an edge configuration device from an end device via a connection, where the identity information identifies the end device or one or more users associated with the end device. A request is sent from the edge configuration device to an access control server connected to the network in response to receiving the identity information, where the request requests authentication for the end device. Authentication is received at the edge configuration device from the access control server for the end device to connect to a network connected to the edge configuration device.



No. of Pages: 58 No. of Claims: 10

(22) Date of filing of Application :01/04/2015

(43) Publication Date: 29/04/2016

## (54) Title of the invention: INJECTABLE STERILE AQUEOUS FORMULATION BASED ON CROSSLINKED HYALURONIC ACID AND ON HYDROXYAPATITE FOR THERAPEUTIC USE

(51) International  $:\!A61K9/00,\!A61K31/728,\!A61K33/42$ classification

(31) Priority Document No (32) Priority Date :08/10/2012 (33) Name of priority

:France

country

(86) International :PCT/EP2013/069877 Application No

:24/09/2013 Filing Date

(87) International :WO 2014/056723 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)APTISSEN S.A.

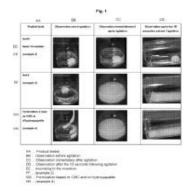
Address of Applicant: Chemin des Aulx 18 CH 1228 Plan les

Ouates Switzerland (72) Name of Inventor:

1)GAVARD MOLLIARD Samuel

# (57) Abstract:

The subject matter of the present invention is a ready to use resorbable injectable sterile aqueous formulation used for therapeutic purposes in the form of a particulate cohesive viscoelastic gel comprising i) crosslinked hyaluronic acid or a salt thereof at a concentration of between 1% and 4% (weight/volume) the crosslinking carried out making it possible to obtain a crosslinked hyaluronic acid based gel having a structure termed cohesive and ii) hydroxyapatite at a concentration of between 10% and 70% (weight/volume) said hydroxyapatite being in the form of particles having an average size of less than or equal to 650 μm; wherein said injectable sterile aqueous formulation has viscoelastic properties such that Tand at the frequency of 1 Hz is less than or equal to 0.60.



No. of Pages: 34 No. of Claims: 18

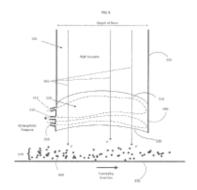
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TREATING BIOMASS

(51) International classification	:B01J19/08,C12P19/00,G21K5/10	(71)Name of Applicant:
(31) Priority Document No	:61/711801	1)XYLECO INC.
(32) Priority Date	:10/10/2012	Address of Applicant :271 Salem Street Unit L Woburn MA
(33) Name of priority country	:U.S.A.	01801 USA U.S.A.
(86) International Application No Filing Date	:PCT/US2013/064332 :10/10/2013	<ul><li>(72)Name of Inventor:</li><li>1)PETERS, Anthony.</li><li>2)MEDOFF, Marshall</li></ul>
(87) International Publication No	:WO 2014/059140	3)MASTERMAN, Thomas, Craig 4)PARADIS, Robert
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)IP, Kenny, Kin-chui
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Methods and systems are described for processing cellulosic and lignocellulosic materials and useful intermediates and products such as energy and fuels. For example irradiating methods and systems are described to aid in the processing of the cellulosic and lignocellulosic materials. The electron beam accelerator has multiple windows foils and these foils are cooled with cooling gas. In one configuration a secondary foil is integral to the electron beam accelerator and in another configuration the secondary foil is part of the enclosure for the biomass conveying system.



No. of Pages: 54 No. of Claims: 66

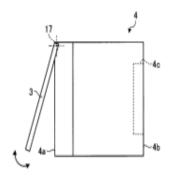
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

(54) Title of the invention: PLC 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 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>	:G05B19/05 :NA :NA :NA :PCT/JP2012/079290 :12/11/2012 :WO 2014/073112 :NA :NA :NA	(71)Name of Applicant:  1)MITSUBISHI ELECTRIC CORPORATION Address of Applicant: 7-3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan (72)Name of Inventor: 1)MURATA Yoshikazu 2)MIYAKE Takanori 3)YAMADA Yuta 4)SHIMODAIRA Kenichi
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#### (57) Abstract:

A PLC unit comprises control unit (4) that includes a first surface (4a) of a substantially rectangular shape, where a unit-side connector (4c) is provided on a second surface (4b) that is a back surface side of the first surface (4a), a base that includes a fixing surface having a base-side connector connected to the unit-side.connector (4c) provided thereon, where a plurality of the control units (4) are fixed on the fixing surface side by side in a lateral direction of the first surface (4a), and a duct that is provided along a side part of the control unit (4) on a longitudinal direction side of the first surface (4a) so as to be closer to the base side, wherein at least a part of the first surface (4a) of the control unit (4) is constituted by a cover (3) which is rotatably supported about an axis (17) substantially parallel to the lateral direction of the first surface (4a), and is openable in an area that is opposite to the base with respect to the duct as a movable area.



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

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

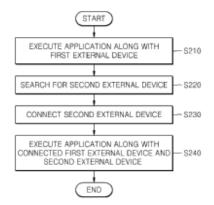
(43) Publication Date: 29/04/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR EXECUTING APPLICATION IN 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>	:10-2012-0099738 :10/09/2012 :Republic of Korea	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)SAMSUNG ELECTRONICS CO. LTD. 2)KO, Jae-woo 3)PARK, Se-jun
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

Provided are a method and a device for executing an application in which a second external device is communication connected while the device executes the application along with a first external device and the device executes the application along with the first device and the second external device based on characteristic information of the first external device and the second external device. Also in the method of executing an application one or more external devices are connected while a device executes the application and the device and the one or more external devices execute the application together.



No. of Pages: 48 No. of Claims: 15

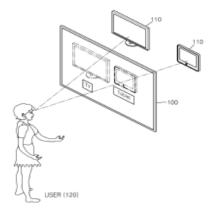
(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: TRANSPARENT DISPLAY APPARATUS AND OBJECT SELECTION METHOD USING THE SAME

:G06F3/01,G06F3/14,G06F3/03 (71)Name of Applicant : (51) International classification (31) Priority Document No :10-2012-0099737 1)SAMSUNG ELECTRONICS CO. LTD. (32) Priority Date :10/09/2012 Address of Applicant :129 Samsung ro Yeongtong gu Suwon (33) Name of priority country :Republic of Korea si Gyeonggi do 443 742 Republic of Korea (86) International Application No :PCT/KR2013/008104 (72) Name of Inventor: Filing Date :09/09/2013 1)YUN ll-Kook (87) International Publication No :WO 2014/038898 2)LEE Geun-ho (61) Patent of Addition to 3) LEE, Chang-soo :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A transparent display apparatus and an object selection method thereof for selecting objects disposed on one side of the transparent display apparatus opposite to a user on another side of the transparent display apparatus.



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

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PROCESSING MATERIALS

:NA

:NA

(51) International classification :A23L3/26,B65G27/00,C12P7/10 (71)Name of Applicant: (31) Priority Document No 1)XYLECO INC. :61/711807 (32) Priority Date :10/10/2012 Address of Applicant :271 Salem Street Unit L Woburn MA (33) Name of priority country :U.S.A. 01801 U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/064320 No 1)MEDOFF, Marshall. :10/10/2013 Filing Date 2)MASTERMAN, Thomas, Craig (87) International Publication 3)PARADIS, Robert :WO 2014/059133 (61) Patent of Addition to :NA **Application Number** :NA

## (57) Abstract:

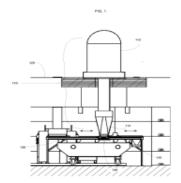
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Filing Date

Filing Date

(62) Divisional to Application

Biomass (e.g. plant biomass animal biomass and municipal waste biomass) is processed to produce useful intermediates and products such as energy fuels foods or materials. For example systems and methods are described that can be used to treat feedstock materials such as cellulosic and/or lignocellulosic materials while cooling equipment and the biomass to prevent overheating and possible distortion and/or degradation. The biomass is conveyed by a conveyor which conveys the biomass under an electron beam from an electron beam accelerator. The conveyor can be cooled with cooling fluid. The conveyor can also vibrate to facilitate exposure to the electron beam. The conveyor can be configured as a trough that can be optionally cooled.



No. of Pages: 67 No. of Claims: 52

:NA

:NA

(19) INDIA

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DRIVING DEVICE AND VALVE COMPRISING SAME

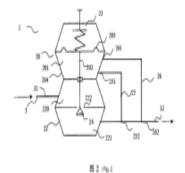
(71)Name of Applicant: (51) International :F16K17/04,F16K31/126,F16K17/30 classification 1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. (31) Priority Document No :201220565977.4 LTD. (32) Priority Date :22/10/2012 Address of Applicant :No.9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan 610045, (33) Name of priority :China country china China (86) International (72) Name of Inventor: :PCT/CN2013/085672 Application No 1)HUO, Ping. :22/10/2013 Filing Date 2)SHI, Yanbo (87) International 3)QIN, Xiaojuan :WO 2014/063609 **Publication No** (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

#### (57) Abstract:

**Application Number** 

Filing Date

Disclosed are a driving device and a valve comprising the same the driving device sensing a pressure of a working medium and producing a driving force to control the flow of the working medium wherein the driving device comprises a driving shaft (202) and a sensing component (203) having a cavity (201); and the cavity (201) is also provided with an air discharge hole (261) and an air discharge device thereon. By means of this driving device and the valve comprising the driving device air entering into the cavity (201) following the working medium can be discharged out of the cavity by means of the air discharge hole (261) provided on the cavity (201) the performance of the driving device and of the valve can be optimized and the operation stability of the driving device and the valve can be maintained.



No. of Pages: 23 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.707/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/04/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: AGGRECANASE INHIBITORS

:C07D233/76,A61K31/4166 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/718965 (32) Priority Date :26/10/2012 (33) Name of priority country :U.S.A.

:PCT/US2013/065591 (86) International Application No

Filing Date :18/10/2013 (87) International Publication No :WO 2014/066151

(61) Patent of Addition to Application :NA Number :NA

(62) Divisional to Application Number :NA Filing Date

Filing Date

:NA

1)ELI LILLY AND COMPANY

Address of Applicant :Lilly Corporate Center Indianapolis IN

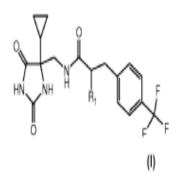
46285 U.S.A.

(72)Name of Inventor:

1)DURHAM Timothy barrett 2)MARIMUTHU Jothirajah 3)WILEY Michael Robert

(57) Abstract:

The present invention provides compounds having the formula: wherein R is selected from methyl ethyl propyl cyclopropyl and dimethyl or a pharmaceutically acceptable salt thereof along with methods and intermediates for their preparation and uses thereof.



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

(22) Date of filing of Application :01/04/2015 (43) Publication Date: 29/04/2016

#### (54) Title of the invention: INHIBITOR COMPOUNDS

(51) International :C07D401/14,C07D413/14,C07D401/04 classification

:1216017.2

:07/09/2012

:NA

:NA

(31) Priority Document

(32) Priority Date

(33) Name of priority :U.K.

country

(86) International

:PCT/GB2013/052360 Application No :09/09/2013

Filing Date

(87) International

:WO/2014/037750 Publication No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application Number

Filing Date

(71)Name of Applicant:

1)CANCER RESEARCH TECHNOLOGY LIMITED

Address of Applicant: Angel Building 407 St John Street

London EC1V 4AD U.K.

(72)Name of Inventor:

1)HOELDER Swen

2)BLAGG Julian

3)SOLANKI Savade

4)WOODWARD Hannah

5)NAUD Sebastien

6)BAVETSIAS Vassiios

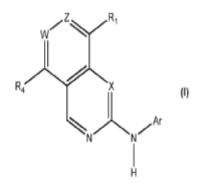
7)SHELDRAKE,Peter

8) INNOCENTI Paolo

9) CHEUNG Kwai-ming.j

#### (57) Abstract:

The present invention relates to compounds of formula (I) wherein R R Ar W X and Z are all as defined herein. The compounds of the present invention are known to inhibit the spindle checkpoint function of Monospindle 1 (Mps1 also known as TTK) kinases either directly or indirectly via interaction with the Mps1 kinase itself. In particular the present invention relates to the use of these compounds as therapeutic agents for the treatment and/or prevention of proliferative diseases such as cancer. The present invention also relates to processes for the preparation of these compounds and to pharmaceutical compositions comprising them.



No. of Pages: 277 No. of Claims: 20

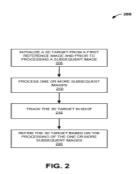
(22) Date of filing of Application :07/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FAST INITIALIZATION FOR MONOCULAR VISUAL SLAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:18/10/2013 :WO 2014/070483 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor:  1)REITMAYR Gerhard  2)MULLONI Alessandro
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Apparatuses and methods for fast visual simultaneous localization and mapping are described. In one embodiment a three dimensional (3D) target is initialized immediately from a first reference image and prior to processing a subsequent image. In one embodiment one or more subsequent reference images are processed and the 3D target is tracked in six degrees of freedom. In one embodiment the 3D target is refined based on the processed the one or more subsequent images.



No. of Pages: 38 No. of Claims: 40

(22) Date of filing of Application :26/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: A PROCESS FOR THE MANUFACTURE OF A SACHET

(51) International classification (31) Priority Document No :12190966.7 (32) Priority Date :01/11/2012

(33) Name of priority country :EPO

(86) International Application No: PCT/EP2013/071421

Filing Date :14/10/2013 (87) International Publication No: WO 2014/067772

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

:B65B9/02,B65B3/34,B65B1/36 (71)Name of Applicant :

1)UNILEVER PLC

Address of Applicant: a company registered in England and Wales under company no. 41424 of Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.

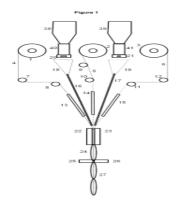
(72) Name of Inventor:

1)DAGOANKAR Manoj Vilas 2)JAMBEKAR Girish Umakant 3)MAHAPATRA Samiran

4)TENDULKAR Mahesh Subhash

#### (57) Abstract:

The invention relates to a process for the manufacture of dual compartment sachets for packing two materials used as compositions for purification of water where the weldable materials are chosen to prevent interaction of materials stored in the two compartments and also interaction with outside atmosphere. Water purification compositions packed in these sachets are especially useful for removal of microorganisms like bacteria viruses and cysts to make the water suitable for human consumption. The invention particularly relates to a form fill and seal process for the manufacture of a sachet comprising at least two compartments where the weldable materials used for forming the outer walls and the inner partition layer are chosen to prevent interaction of materials stored in the compartments and also interaction with outside atmosphere.



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

(22) Date of filing of Application :04/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM AND APPARATUS FOR DISTRIBUTING FUEL AND METHODS THEREFOR

:B65D49/00,B65D83/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)FUEL TRANSFER TECHNOLOGIES INC. :61/696463 (32) Priority Date Address of Applicant :P.O. Box 23014 Moncton New :04/09/2012 (33) Name of priority country :U.S.A. Brunswick E1A 6S8 Canada (86) International Application No (72) Name of Inventor: :PCT/CA2013/050676 Filing Date 1)JAMES WEDERRBURN :04/09/2013 (87) International Publication No :WO 2014/036648 2)MARK BONNER (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

Apparatuses systems and methods for providing a fluid in a container and for distribution of the fluid.



No. of Pages: 77 No. of Claims: 20

(22) Date of filing of Application :04/04/2015 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: METHOD AND DEVICE FOR ALLOCATING CONTROL CHANNEL CANDIDATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W72/08 :NA :NA :NA :PCT/CN2012/082217 :27/09/2012 :WO 2014/047850 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LIU Jianqin  2)LIU Jianghua  3)WU Qiang  4)GAO Chi
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#### (57) Abstract:

Provided are a method and device for allocating control channel candidates which relate to the field of communications and can allocate control channel candidates of different aggregation levels to K ePDCCH sets so as to reduce the complexity for a UE to perform blind detection. The method comprises: determining K sets used for transmitting control channels wherein each set of the K sets comprises at least one physical resource block pair; and according to the aggregation levels supported by the control channels to be transmitted the number of control channel candidates corresponding to each of the aggregation levels and at least one of the K sets for transmitting the control channels and the type of the sets allocating the control channel candidates of each aggregation level to at least one set of the K sets.



No. of Pages: 88 No. of Claims: 45

(21) Application No.713/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: THERMALLY CONDUCTIVE POLYMER AND RESIN COMPOSITIONS FOR PRODUCING 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>	:C08L75/04,C01F7/02,C08K3/22 :10 2012 109 500.0 :05/10/2012 :Germany :PCT/EP2013/059220	(71)Name of Applicant:  1)DR. NEIDLINGER HOLDING GMBH Address of Applicant: Schoenbergstrasse 14 73760 Ostfildern Kemnat Germany (72)Name of Inventor: 1)FRANK Jochen
Filing Date (87) International Publication	:03/05/2013	
No (61) Patent of Addition to	:WO 2014/053252	
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a polymerizable resin composition which comprises the following namely one or more polymerizable resin components selected from the group consisting of the polyols the polyamines and mixtures thereof in particular the polyether polyols the polyester polyols and the polybutadiene polyols aluminium hydroxide and also optionally other auxiliaries for example wetting and dispersing additives dyes pigments desiccants fillers polyalcohols butanediol hexanediol antifoams antisettling agents plasticizers such as phosphates and catalysts. The resin composition contains based on 100% by weight of the resin composition at least 75% by weight and in particular from 75 to 85% by weight of aluminium hydroxide. The invention further relates to corresponding hardener compositions polymers and filler mixtures.

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

(22) Date of filing of Application :01/04/2015

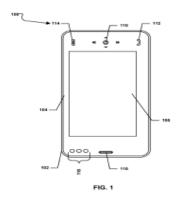
(43) Publication Date: 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLLING CENTRAL PROCESSING UNIT POWER WITH GUARANTEED TRANSIENT DEADLINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F1/32 :13/669043 :05/11/2012 :U.S.A. :PCT/US2013/061663 :25/09/2013 :WO 2014/070338 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED Address of Applicant: ATTN: INTERNATIONAL IP ADMINISTRATION 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor: 1)THOMSON Steven S. 2)RYCHLIK Bohuslav 3)IRANLI Ali 4)SUR Sumit 5)GARGASH Norman Scott
(62) Divisional to Application Number Filing Date	:NA :NA	5)GARGASH Norman Scott
/		

#### (57) Abstract:

Methods systems and devices that include a dynamic clock and voltage scaling (DCVS) solution configured to compute and enforce performance guarantees to ensure that a processor does not remain in a busy state (e.g. due to transient workloads) for more than a predetermined amount of time above that which is required for that processor to complete its pre computed steady state workload. The DCVS may adjust the frequency and/or voltage of a processor based on a variable delay to ensure that the processing core only falls behind its steady state workload by at most a predefined maximum amount of work irrespective of the operating frequency or voltage of the processor.



No. of Pages: 68 No. of Claims: 40

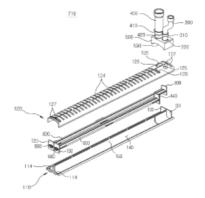
(22) Date of filing of Application :02/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: HEAT EXCHANGER

(51) International classification	:F28F9/013,F28F9/02	(71)Name of Applicant:
(31) Priority Document No	:10-2012-0111721	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:09/10/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:Republic of Korea	si Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2013/008858	(72)Name of Inventor:
Filing Date	:04/10/2013	1)SEO Kang Tae
(87) International Publication No	:WO 2014/058181	2)BAEK Yong ki
(61) Patent of Addition to Application	:NA	3)HA Seung Hee
Number	:NA	4)HAYASE Gaku
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A heat exchanger having an improved distribution structure in which one inlet pipe is connected to a header which is partitioned into a first sub chamber in which a refrigerant flows through the inlet pipe and a second sub chamber in which tubes communicate with each other and a distribution pipe is installed at the header and causes the first sub chamber and the second sub chamber to communicate so that the refrigerant in the first sub chamber can be distributed to the tubes. The distribution pipe can pass through and can be combined with a partitioning baffle that is combined with the header to partition a chamber of the header into the first sub chamber and the second sub chamber.



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

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: VALVE STEM AND VALVE CORE ASSEMBLY AND VALVE COMPRISING ASSEMBLY

(51) International classification :F16K1/46,F16K41/00,F16J15/16 (71)Name of Applicant: (31) Priority Document No 1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. :201220565976.X (32) Priority Date :22/10/2012 LTD. (33) Name of priority country Address of Applicant :No.9 Wukedong 2nd Road Wuhou :China (86) International Application Science Technic Park Wuhou District Chengdu Sichuan 610045 :PCT/CN2013/085703 No China :22/10/2013 (72)Name of Inventor: Filing Date (87) International Publication 1)XIAO, Xiao :WO 2014/063616 2)HUO, Ping

(61) Patent of Addition to Application Number :NA Filing Date :NA

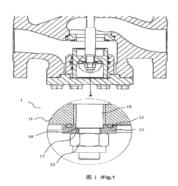
(62) Divisional to Application
Number

Filing Date

:NA
:NA

### (57) Abstract:

A valve stem and a valve core assembly and a valve comprising the assembly. The valve core (11) sleeves the valve stem (10) and an adjusting device (12) is further disposed on the valve stem (10). An elastic element (13) is disposed between the adjusting device (12) and the valve core (11). A gap is disposed among the valve core (11) the valve stem (10) and the adjusting device (12). The valve core (11) can move with respect to the valve stem (10) and therefore the valve has a good closing performance.



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

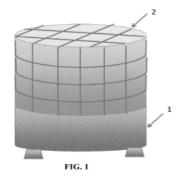
(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: POROUS GELS AND USES THEREOF

(51) International classification	:C08J3/075,C08J3/24,C08L33/02	(71)Name of Applicant :
(31) Priority Document No	:61/695157	1)MOASIS INC.
(32) Priority Date	:30/08/2012	Address of Applicant :Suite 350 32930 Alvarado Niles Road
(33) Name of priority country	:U.S.A.	Union City California 94587 ,USA U.S.A.
(86) International Application No	:PCT/CA2013/050673 :30/08/2013	(72)Name of Inventor : 1)LI Naihong
Filing Date	.30/08/2013	2)WU Jen chieh
(87) International Publication No	:WO 2014/032189	
<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:

Hydrogels having a porosity of at least about 5% comprising a first polymeric material comprising a polymer derived from a monomer with a vinyl functionality and a second polymeric material having a polyglycol other than polyethylene glycol are described. A method of forming a porous hydrogel by mixing in a reaction vessel a mixture comprising a monomer having a vinyl functionality a crosslinker an organic solvent a first polymeric material comprising polyacrylic acid and a second polymeric material comprising a polyglycol other than polyethylene glycol and mixing the mixture to form the hydrogel having a porosity of at least about 5%. Also described are an agricultural method and a system (a seed in a seed container).



No. of Pages: 25 No. of Claims: 40

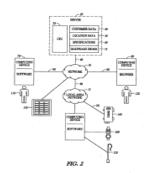
(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: CUSTOMER RELATIONSHIP DEVELOPMENT

(51) International classification	:G06Q30/02	(71)Name of Applicant:
(31) Priority Document No	:61/708218	1)OBSERVANT PTY LTD
(32) Priority Date	:01/10/2012	Address of Applicant :Level 1/106 Victoria Street Fitzroy
(33) Name of priority country	:U.S.A.	Victoria 3065 Australia
(86) International Application No	:PCT/AU2013/001120	(72)Name of Inventor:
Filing Date	:30/09/2013	1)PRYOR James
(87) International Publication No	:WO 2014/053008	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Systems methods and media are provided for customer relationship development. In an example embodiment a computer implemented method comprises causing display in a user interface of one or more options in relation to a creation by a user of a virtual version of a physical system or service and receiving specifications in response to the displayed one or more options from the user in relation the creation of the virtual system or service. In response to the received instructions the virtual version of the physical system or service is created. In the virtual version of the physical system or service a real world operation of the physical system or service is simulated for the user.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.706/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/04/2015 (43) Publication Date: 29/04/2016

# (54) Title of the invention: ECTOPARASITICIDAL METHODS AND FORMULATIONS

(51) International

:A01N43/22,A61K9/00,A61K47/10 classification

(31) Priority Document No :61/726176 (32) Priority Date :14/11/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/068848

No :07/11/2013

Filing Date

(87) International Publication :WO 2014/078162

(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)ELI LILLY AND COMPANY

Address of Applicant :Lilly Corporate Center Indianapolis

Indiana 46285 U.S.A. (72)Name of Inventor:

1)WINKLE, Joseph Raymond

Provided are novel methods and formulations for topically controlling ectoparasite infestations in animals using spinetoram or a pharmaceutically acceptable salt thereof.

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

(22) Date of filing of Application :21/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A RESOLUTION PROCESS FOR FLUPENTIXOL

(51) International classification	:G01N30/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CENTAUR PHARMACEUTICALS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :CENTAUR PHARMACEUTICALS
(33) Name of priority country	:NA	PVT. LTD. CENTAUR HOUSE, SHANTI NAGAR, VAKOLA,
(86) International Application No	:NA	SANTACRUZ (E), MUMBAI 400055. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. ANIL MAHADEV NAIK
(61) Patent of Addition to Application Number	:NA	2)DR. SHRIKANT DATTATRAYA SAWANT
Filing Date	:NA	3)DR. MILIND P. PAWAR
(62) Divisional to Application Number	:NA	4)DR. SHIO SEWAK MISHRA
Filing Date	:NA	

# (57) Abstract:

The present invention provided a process for obtaining Flupentixol E/Z isomer ratio about 1:1 to 1: 1.4, comprising; treating Flupentixol isomeric mixture containing predominately E-isomer or Z-isomer, with base in organic solvent at a temperature ranging from 0 to 120°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.669/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/03/2015 (43) Publication Date: 29/04/2016

## (54) Title of the invention: A SUNSCREEN COMPOSITION CONTAINING ESTER SALTS OF L DOPA

(51) International classification :A61K8/35,A61K8/40,A61K8/44 (71)Name of Applicant: (31) Priority Document No :12189739.1 (32) Priority Date :24/10/2012

(33) Name of priority country :EPO

(86) International Application

:PCT/EP2013/070462 No :01/10/2013 Filing Date

(87) International Publication No:WO 2014/063906

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)UNILEVER PLC

Address of Applicant : Unilever House 100 Victoria

Embankment London EC4Y 0DY U.K. U.K.

(72)Name of Inventor:

1)BALAKRISHNAN Lalitha 2) RAUT Janhavi Sanjay

## (57) Abstract:

The invention relates to a leave on sunscreen composition especially to a composition which provides increasing protection of the skin on exposure to uv radiation. The present inventors have achieved this using a combination of non ionic surfactant and ester salt of L DOPA in a sunscreen containing composition.

No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :03/04/2015

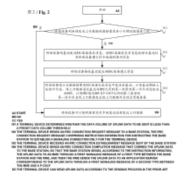
(43) Publication Date: 29/04/2016

# (54) Title of the invention: DATA TRANSMISSION METHOD DEVICE AND 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>	:H04W4/20 :NA :NA :NA :PCT/CN2012/082430 :29/09/2012 :WO/2014/047920 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor: 1)MADEMANN Frank 2)YU Yijun 3)ZHANG Wanqiang
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#### (57) Abstract:

Embodiments of the present invention provide a data transmission method device and system. The method comprises: a terminal device determining whether the data volume of uplink data to be sent is less than a preset data volume threshold; if the data volume of uplink data to be sent is less than the preset data volume threshold establishing an RRC connection with a base station and sending an RRC connection completion message that carries the uplink data to the base station so that the base station sends the uplink data to an MME through a signaling message between the base station and the MME and then the MME sends the uplink data to a corresponding application server through a signaling message between the MME and a P CSCF. The technical solution provided by the present invention uses signaling messages to transmit small data thereby solving network resource waste.



No. of Pages: 113 No. of Claims: 47

:NA

:NA

(19) INDIA

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DRIVING APPARATUS AND VALVE CONTAINING SAME

(71)Name of Applicant: (51) International :F16K17/04,F16K31/126,F16K17/30 classification 1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. (31) Priority Document No :201220566015.0 LTD. (32) Priority Date :22/10/2012 Address of Applicant :No.9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan (33) Name of priority :China country 610045, CHINA China (86) International (72) Name of Inventor: :PCT/CN2013/085713 Application No 1)HUO, Ping :22/10/2013 Filing Date 2)LEI, Yanwei (87) International 3)YANG, Zhong :WO 2014/063618 Publication No (61) Patent of Addition to :NA **Application Number** :NA

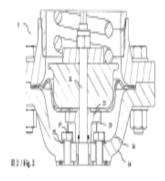
## (57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

Disclosed are a driving apparatus (2) and a valve containing the driving apparatus (2) wherein the driving apparatus (2) responds to the pressure of a fluid medium and generates a driving force the driving apparatus comprising a driving shaft (21) a sensing device (22) a position limiting device (23) a support body (24) and a raised component (25); with the position limiting device (23) being provided with a groove (27) and the raised component (25) being snap fitted in the groove (27). The position limiting device (23) is able to automatically limit the rotation of the driving shaft (21) avoids damaging the sensing device (22) and facilitates the maintenance and installation of the valve.



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

(22) Date of filing of Application :01/04/2015 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PRODUCTION OF LAMINATED GLAZING PROVIDED WITH AN ELECTRICAL 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:08/10/2013 :WO 2014/057200 :NA :NA :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)HENNION Alexandre
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a method for producing curved laminated glazing comprising two sheets of glass an interlayer made from a polymer material arranged between the sheets of glass and an electrical conductor said method comprising the simultaneous thermal bending of the sheets of glass in the paired state followed by the cooling of same then the assembling of the laminated glazing by bonding the sheets of glass with the interlayer on either side of same said cooling comprising a controlled cooling of the sheets of glass in the paired state the controlled cooling comprising a general controlled cooling and a localised controlled cooling of a cutting area the localised controlled cooling being faster than the general controlled cooling and the cutting of one of the sheets of glass along a cutting line in the cutting area to form a recessed area the electrical conductor being placed between the sheets of glass and exiting the laminated glazing via the recessed area.

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

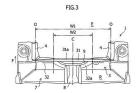
(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: STRUCTURE OF DASH PANEL PART •

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country		(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300 Takatsuka-cho Minami-ku  Hamamatsu-shi Shizuoka-Ken Japan Japan  (72)Name of Inventor:
•		1 1
` '	:10/11/2011	1 1
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Daisuke FURUMOTO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem to be Solved] Surface rigidity of a dash panel is enhanced, vibration of the dash panel is reduced, and load exerted by front side members is efficiently transmitted to a floor tunnel. [Solution] In a structure of a dash panel part 1 in which a dash panel 3 which is joined to dash side panels 2 is provided, front side members 4 at both left and right sides are joined to a front side of the dash panel 3 from a vehicle front side, and floor side members 5 at both left and right sides which are provided at a floor panel 7 are joined to a rear side of the dash panel 3 from a vehicle rear side, of portions of the dash panel 3 which is located between the front side members 4, a dash panel upper portion 31 is provided with a projected shape portion 31 a which protrudes to the vehicle front side, a dash panel lower portion 32 is provided with a projected shape portion 32 awhich protrudes to the vehicle rear side, projected shape portions 31 and 32 a of the dash panel upper and lower portions 31 and 32 are formed with a width W2 which is not less than a half of a distance WI between the front side members 4, and are disposed to protrude from a vehicle body center, and a floor tunnel 8 is joined to the dash panel lower portion 32. [Selected Drawing] FIG. 3



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

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DESIGNING A MODELED VOLUME REPRESENTED BY DEXELS •

(51) Intermedianal alassification	·COCT	(71) Name of Applicant
(51) International classification	:G06T	(71)Name of Applicant:
(31) Priority Document No	:11306422.4	1)DASSAULT SYSTEMES
(32) Priority Date	:03/11/2011	Address of Applicant :10 Rue Marcel Dassault 78140
(33) Name of priority country	:EPO	VELIZY VILLACOUBLAY FRANCE France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Nicolas MONTANA
(87) International Publication No	: NA	2)Marc MONTEIL
(61) Patent of Addition to Application Number	:NA	3)Romain NOSENZO
Filing Date	:NA	4)Andre LIEUTIER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

It is provided a computer-implemented method for designing a modeled volume. The method comprises providing (S10) a sculpting process on the modeled volume initial lines and an initial set of dexels that represents the modeled volume 5 after going through the sculpting process and that is based on the initial lines; then providing (S20) new lines by refining the initial lines; and determining (S30) a new set of dexels that represents the modeled volume after going through the sculpting process and that is based on the new lines wherein determining the new set of dexels comprises determining (S31) sets of at least one segment representing the 10 intersection between each new line and the modeled volume before going through the sculpting process and then applying (S32) the sculpting process on the determined sets of at least one segment. The method improves designing a modeled volume represented by a set of dexels.

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

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: FOUR-STROKE CYCLE ENGINE •

(51) International classification	:F01L	(71)Name of Applicant:
(31) Priority Document No	:2011- 244545	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:08/11/2011	Hamamatsu-shi Shizuoka-Ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Hiroshi OHSAWA
Filing Date	:NA	
(87) International Publication 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 output pistons 18 for opening intake valves 11 an intake cam 19 coaxial with a crankshaft 7 to actuate an input piston 22 a hydraulic control valve 20 output passageways 25A 25B connecting the output pistons 18 to the hydraulic control valve and an input passageway 24 connecting an input hydraulic chamber 21 to the hydraulic control valve. The hydraulic control valve has one state which enables pressure-transmission communication between the input passageway and the output passageway 25A at least during a period for one cycle of reciprocating motion of the input piston 22 and another state which enables pressure-transmission communication between the input passageway and the output passageway 25B at least during the period for one cycle of reciprocating motion of the input piston 22. The hydraulic control valve assumes the states alternately in every rotation of the intake cam 19.

No. of Pages: 44 No. of Claims: 9

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention : COMPUTING SUBSYSTEM HARDWARE RECOVERY VIA AUTOMATED SELECTIVE POWER CYCLING

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INTEL CORPORATION
(32) Priority Date	:NA	Address of Applicant :2200 MISSION COLLEGE BLVD.
(33) Name of priority country	:NA	SANTA CLARA CA 95052 USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)THEVAR Balakesan P.
(87) International Publication No	: NA	2)PANGAM Aashish S.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various embodiments are generally directed to automated selective power cycling of an inoperative hardware-based subsystem of a computing device while not power cycling other components of the computing device in response to detection of that subsystem becoming inoperative. An apparatus comprising a controller processor circuit; a first component comprising digital logic and provided with electric power controlled by the controller processor circuit; a second component comprising digital logic and provided with electric power controlled by the controller processor circuit; and a controller storage communicatively coupled to the controller processor circuit and arranged to store instructions operative on the controller processor circuit to receive a signal that indicates that the first component is inoperative and cycle the electric power to the first component while continuing to provide electric power to the second component based on the signal. Other embodiments are described and claimed herein.

No. of Pages: 51 No. of Claims: 30

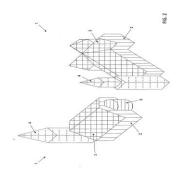
(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PARAMETERIZED GRAPHICAL REPRESENTATION OF BUILDINGS

(51) International classification	:G06F	(71)Name of Applicant:
(21) Priority Dogument No.	:EP 11 188	1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
(31) Priority Document No	154.6	Address of Applicant :BECKER-GORING-STRAβE 16 76307
(32) Priority Date	:08/11/2011	KARLSBAD Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)MITRAKIS STAVROS
Filing Date	:NA	2)STRASSENBURG-KLECIAK MAREK
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method of generating a three-dimensional(3d) graphical representation of a building. The method comprises establishing appearance control data comprising information on parameterized architectural features of the building (1) and on building blocks (2-5) which are fragments of the building, and retrieving template data from a database based on references in the appearance control data, wherein the template data relates to a prefabricated graphical representation of the building blocks (2-5). Then the method further comprises, for each building block (2-5), calculating a 3d graphical representation of the building block (2-5) based on the respective template data and the appearance control data, and combining the 3d graphical representations of the building blocks (2-5) based on the appearance control data to generate the 3d graphical representation of the building (1). (Fig. 2)



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

(22) Date of filing of Application :02/11/2012

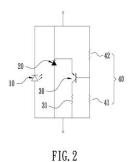
(43) Publication Date: 29/04/2016

## (54) Title of the invention : AN LED HAVING TWO PINS THAT HANDLE CONTINGENCIES OF OPEN STATIC ELECTRICITY AND SURGE

(51) International classification	:H01L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CERAMATE TECHNICAL (SUZHOU) CO. LTD.
(32) Priority Date	:NA	Address of Applicant :Building D No.57 Huoju Road
(33) Name of priority country	:NA	Suzhou New District Jiangsu China 215011 China
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WANG Robert
(87) International Publication No	: NA	2)Chen Michael
(61) Patent of Addition to Application Number	:NA	3)Huang Ethan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An LED having two pins that handle contingencies of open static electricity and surge comprises an LED cell a thyristor such as SCR with three electrodes arranged in series connection to the LED cell a transistor for a gate of the thyristor to trigger signals and a voltage detecting circuit. When the LED cell breaks due to open a proper current is acquired via the voltage detecting circuit so as to trigger the SCR thereby providing a substitute current route that allows the rest of the serially-connected LED cells to keep lighting. When static electricity or surge occurs at two ends of the LED cells the SCR provides a route to guide the static electricity or the surge which protects the LED cells.



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

(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: NOVELTY IN ELECTRONIC CONTROL PANELS OF GENERATOR GROUPS •

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:2011/11086	1
(32) Priority Date	:04/11/2011	ANONIM SIRKETI
(33) Name of priority country	:Turkey	Address of Applicant :Demirtas Organize Sanayi Blgesi
(86) International Application No	:NA	Karanfil Sokak No: 6 Osmangazi Bursa Turkey Turkey
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ABDULLAH AYHAN ISPALAR
(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 related to generator control panel embodiments comprising generator control panel (1) providing the control of diesel or gas-fuelled generator groups at least one smart module (2) having functions different from that of generator control panel (1) communication sockets (12 212 222) positioned on the generator control panel (1) and smart module (2) and enabling the said smart module (2) to be identified automatically by the generator control panel (1) and click-fit systems (3) providing the connection of said smart module (2) with the generator control panel (1) and formed on the control panel (1) and smart module (2).

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

(21) Application No.4535/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012 (43) Publication Date : 29/04/2016

(54) Title of the invention: HERBAL WINE

(51) International classification	:C12G	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TAMIL NADU AGRICULTURAL UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :PROFESSOR AND HEAD
(33) Name of priority country	:NA	DEPARTMENT OF TRADE AND INTELLECTUAL
(86) International Application No	:NA	PROPERTY TAMIL NADU AGRICULTURAL UNIVERSITY,
Filing Date	:NA	COIMBATORE - 641 003 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)A.V. GNANASAMBANDAM
Filing Date	:NA	2)S. GUNASEKARAN
(62) Divisional to Application Number	:NA	3)R. MURUGESAN
Filing Date	:NA	

#### (57) Abstract:

This novel thought is aimed to formulate a concoction from a consortium of herbs with varied medicinal values possessing antioxidant properties by fermenting the same for developing a value added herbal wine with high antioxidant and anti-viral compounds which can provide resistance against even H1N1 virus. The invention involves collection of medicinally important parts of the herbs as per the proportion and screening of herbs having high antioxidants for creating resistance against common respiratory problems, body pain, fever caused by bacterial and viral infections based on their medicinal values. The collected and screened herbs were washed to remove the unwanted contaminants. The ingredients /collected parts were weighed and grounded to make a concoction and campden tablets (0.1 per cent) added to the mixture for sterilization up to 12 hours and tested for sugar content. The concoction was transferred to a 25 litres food grade plastic container and to this honey 700g and palm sugar (500 gm) were added. 20 litres of good quality drinking water were added and the brix was made up to 20 ° by adding 2 kgs of sugar. To this yeast culture Saccharomyces cervesiae var. ellipsoideus -isolated from distillery waste was inoculated (10 percent to the volume). The final product is the novel herbal wine with high antioxidant properties containing FRAP( 167.50 uM/ul), Inhibition of Lipid Peroxidation inhibition (75.18), DPPH radical scavenging activity(85.86 %), reducing power(78.88%), superoxide anion(86.45%), hydroxyl(89.56%), nitric oxide(87.65%) and ABTS radical scavenging activity assays(89.56 (%) and chelation of metal ions(77.98 %). It also contains reducing sugar (10.50 ng/ml), total phenols (11.50 GAE Mg/ml), 3.0° Brix, titratable acidity (5.20±0.06b g/1 of tartaric acid), pH (3.30de), fermentation purity  $\{0.11 \text{ Note: } \# = \text{g/1 volatile acidity/ alcohol } \% \text{ (v/v)} \}$ , volatile acidity  $\{0.66 \pm 0.01\text{d}\}$ , fixed acidity  $\{5.57 \pm 0.06\text{b}\}$ , tannin content (270±3.49 mg/1) and alcohol content (3 % (v/v) without yeast, bacterial, fungal and actinomycetal colonies. Due to these novelty features, it can be used for treating cold, cough, chronic bronchitis, asthma and flu. It is beneficial for those suffering from various kinds of respiratory allergies. Due to presence of antibacterial components in the wine, consumption of herbal wine also cures indigestion and loss of appetite and improves the level of haemoglobin. It can be an important ingredient in most cough syrups and cold rubs as it helps in relieving cough and cold. Shikimic acid is one of the ingredients in the formulation which is a primary precursor in the synthesis of antiinfluenza drug oseltamivir (Tamiflu).

No. of Pages: 27 No. of Claims: 1

(22) Date of filing of Application :06/11/2012

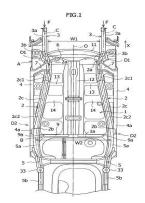
(43) Publication Date: 29/04/2016

## (54) Title of the invention: FLOOR LOWER PART STRUCTURE OF VEHICLE BODY •

(51) International classification	:B62D	(71)Name of Applicant:
(31) Priority Document No	:2011- 256198	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:24/11/2011	Hamamatsu-shi Shizuoka-ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yoshitaka KURIAGE
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem to be Solved] A load absorbing structure of a vehicle body is provided, which is capable of efficiently absorbing a load from the front of a vehicle by all of a floor side member and a floor panel without increasing a framework or reinforcing members. [Solution] In a floor lower part structure of a vehicle body in which floor side members 2 which are disposed with a space left therebetween in a vehicle width direction, and arc joined to both left and right sides of a floor panel 1 are provided to extend in a vehicle longitudinal direction, and a floor tunnel 12 is provided in a central portion of the floor panel 1 to extend in the vehicle longitudinal direction, a planar shape of the floor side member 2 is such thai a center line C in a width direction of a front end portion 2a is oriented straight to a vehicle front side, a center line C in a width direction of a rear end portion 2b is oriented straight to a vehicle rear side, a front half portion 2cl of an intermediate portion 2c in the vehicle longitudinal direction is formed to be curved into a protruded shape to an inner side in the vehicle width direction, and a rear half portion 2c2 of the intermediate portion 2c in the vehicle longitudinal direction is formed to be curved into a protruded shape to an outer side in the vehicle width direction. [Selected Drawing] FIG. 1



No. of Pages: 28 No. of Claims: 6

**DURING POWER FAILURE** 

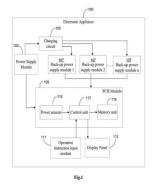
(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention : A METHOD OF PROVIDING OPERATION INSTRUCTIONS TO ELECTRONIC APPLIANCE

(51) International classification	:H05K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LG ELECTRONICS INC.
(32) Priority Date	:NA	Address of Applicant :20 Yeouido-dong Yeongdeungpo-gu
(33) Name of priority country	:NA	Seoul Korea Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Mohamed Salih Punnilath Saidu Mohamed
(87) International Publication No	: NA	2)Roshy M John
(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 is related to a method of providing operation instructions to electronic appliance during power failure. The electronic appliance comprises of one or more back-up power supply source to provide power to a Printed Circuit Board (PCB) module configured in the electronic appliance during power failure. Using the power from the one or more back-up power supply modules user provides one or more operation instructions. The one or more operation instructions will be stored in a memory unit configured in the PCB module. When the power resumes the electronic appliance operates based on the one or more operation instructions stored in the memory unit. Fig.1



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

(21) Application No.4451/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A SYNERGISTIC COMPOSITION METHODS AND KIT THEREOF

(51) International classification :	:D06P	(71)Name of Applicant:
(31) Priority Document No :	:NA	1)ADITYA BIRLA NUVO LIMITED
(32) Priority Date :	:NA	Address of Applicant :Plot No. 5B Regent Gateway
(33) Name of priority country :	:NA	Doddanakundi Village KIADB Industrial Area ITPL Road
(86) International Application No :	:NA	Bangalore 560 048 Karnataka India. Maharashtra India
Filing Date :	:NA	(72)Name of Inventor:
(87) International Publication No :	: NA	1)DEBASHIS BHADRA
(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 synergistic composition comprising cationic fluorocarbon along with fluorocarbon extender anionic thickener and anionic binder. This composition is printed on fabric followed by curing to obtain fabric with invisible print. The present disclosure further relates to a method of obtaining said composition along with a process of obtaining the printed fabric or garment. The disclosure also relates to the treated fabric and a kit to obtain the same.

No. of Pages: 67 No. of Claims: 24

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

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

(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:2011- 241408	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:02/11/2011	Hamamatsu-shi Shizuoka-Ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Masahiro AOYAMA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an electric rotating machine capable of providing a high quality and efficient machine operation with reduced oscillation and noise by lowering torque ripple. The electric rotating machine includes a stator having a plurality of teeth facing a rotor and a plurality of slots providing spaces for winding coils around the teeth. The rotor has a pair of permanent magnets embedded therein and located in a V • shape configuration so as to let magnetic force act on the teeth such that the rotor within said stator is driven to revolve by reluctance torque and magnet torque. An outer diameter ratio of an outer diameter Dr of the rotor to an outer diameter Ds of the stator falls in a range from 0.61 to 0.645.

No. of Pages: 43 No. of Claims: 3

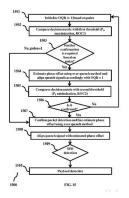
(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention : METHOD AND SYSTEM FOR JOINT PACKET DETECTION AND RF PULSE SYNCHRONIZATION IN A SUPER-REGENERATIVE RECEIVER

(51) International classification	:B60K	(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 Jammu & Kashmir
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Tuhin Subhra Chakraborty
(62) Divisional to Application Number	:NA	2)Kiran Bynam
Filing Date	:NA	3)Young-Jun Hong

#### (57) Abstract:

A method and system for improving performance of a super-regenerative receiver is disclosed. The method is especially beneficiary for low power short range applications. Higher over-quenching may produce better ROC than quench-rate equal to unity while considering quench signal pulse is randomly aligned with the RF pulse. The method operates over multiple ROCs which does not exist simultaneously by jointly considering RF pulse synchronization and packet detection problem and hence provides a hybrid approach to maximize the packet detection probability while minimizing the false alarm rate. Suitable usage of over-quench rate ensures optimal system performance. FIG. 15



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

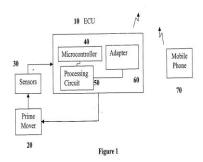
(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: COMMUNICATION SYSTEM FOR A VEHICLE

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)M/S TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :NO. 29, HADDOWS ROAD,
(33) Name of priority country	:NA	CHENNAI - 600 006 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAMRAJ JABEZ DHINAGAR
(87) International Publication 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 illustrates a Communication system for a vehicle using a wireless network like Bluetooth or Wi-Fi. The system consists of an ECU 10 which comprises of a microcontroller 40 with in-built flash memory, signal processing circuit 50 and adapter 60 to communicate between ECU and predefined user mobile phone. The system further includes one or more sensors 30 to provide input to ECU 10 and accordingly control the prime mover 20. The user receives a driving pattern on his/her mobile phone 70 through a wireless network and can configure the ECU settings through mobile phone 70 to control the operating mode of the vehicle. Figure 1



No. of Pages: 16 No. of Claims: 26

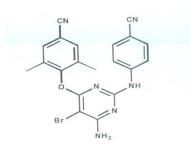
(22) Date of filing of Application :29/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PROCESS FOR THE SYNTHESIS OF ETRAVIRINE AND ITS INTERMEDIATES

(51) Intermedianal alessification	. A C 1 IZ	(71) Name of Applicant
(51) International classification	:A01K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BIOPHORE INDIA PHARMACEUTICALS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :PLOT #23, 3RD FLOOR, TIE, 1ST
(33) Name of priority country	:NA	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)MANIK REDDY PULLAGURLA
(61) Patent of Addition to Application Number	:NA	2)JAGADEESH BABU RANGISETTY
Filing Date	:NA	3)MECHERIL VALSAN NANDAKUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention discloses the synthesis of Etravirine via intermediate 4-((4-amino-5-bromo-6-chloropyrimidin-2-yl) amino)benzonitrile and process for the preparation of Etravirine of the formula-I.



Formula I

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :29/10/2012

(43) Publication Date: 29/04/2016

# $(54) \ Title \ of the invention: NOVEL\ PROCESS\ FOR\ THE\ PREPARATION\ OF\ (1-\{9-[(4S,2R,3R,5R)-3,4-DIHYDROXY-5-(HYDROXYMETHYL)\ OXOLAN-2-YL)-6-AMINOPURIN-2-YL\}PYRAZOLE-4-YL)-N-METHYLCARBOXAMIDE$

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BIOPHORE INDIA PHARMACEUTICALS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :PLOT #23, 3RD FLOOR, TIE, 1ST
(33) Name of priority country	:NA	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)MANIK REDDY PULLAGURLA
(61) Patent of Addition to Application Number	:NA	2)JAGADEESH BABU RANGISETTY
Filing Date	:NA	3)MECHERIL VALSAN NANDAKUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

Novel process for the preparation of (1-{9-[(4S, 2R, 3R, 5R)-3, 4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl)-6-aminopurin-2-yl}pyrazole-4-yl)-N-methylcarboxamide The present invention relates to a novel process for the preparation of (1-{9-[(4S, 2R, 3R, 5R)-3, 4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl)-6-aminopurin-2-yl}pyrazole-4-yl)-N-methylcarboxamide.

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

(22) Date of filing of Application :02/11/2012

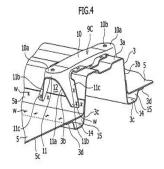
(43) Publication Date: 29/04/2016

## (54) Title of the invention: VEHICLE SEAT MOUNTING 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</li> </ul>	:B60K :2011- 246694 :10/11/2011 :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 Japan  (72)Name of Inventor:  1)Taku SUMINO  2)Yoshitaka KURIAGE
` '		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problems to be Solved] To provide a vehicle seat mounting structure that can increase occupancy space of a small vehicle and that can improve the stiffness of a floor tunnel portion to which a seat mounting bracket for fixing the vehicle seat is attached, and also can reduce stress concentration by effectively distributing the load applied to the vehicle seat. [Solution] The vehicle seat mounting structure has a feature in that a rear seat mounting bracket 9C for supporting the rear vehicle-interior-side of the vehicle seat is configured by a seat supporting surface 10 extending from an upper surface 3a of a floor tunnel portion 3 to the lateral outer side, and by a side portion 11 which is bent downward from the extension portion 10a of the seat supporting surface 10 so as to be attached to the side surface portion 3b of the floor tunnel portion, in that a hollow portion 12 is formed under the extension portion of the seat supporting surface by cutting the vehicle-width-direction end surface of the side portion 11 to form a pair of leg portions lib which are provided on both sides of the cutout portion 11 a so that the distance between the leg portions is gradually increased downward so as to make the leg portions form a shape spread toward the both sides, and in that the leg portions 1 lb on both sides of the cutout portion 1 la, and the seat supporting surface 10 are attached to the side surface portion 3b and the upper surface portion 3a of the floor tunnel portion 3, and a floor tunnel reinforcing member 13 which reinforces the inner side of the floor tunnel portion 3. [Selected Drawing] FIG. 4



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

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SURROUNDING STRUCTURE OF SUSPENSION FRAME •

(51) International classification	:B60G	(71)Name of Applicant :
(31) Priority Document No	:2011- 260845	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date		Hamamatsu-shi Shizuoka-Ken Japan Japan
· · ·		1 1
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Fumihiko KANATSU
Filing Date	:NA	2)Takehiro SHOJI
(87) International Publication No	: NA	3)Tatsuhiko FUJII
(61) Patent of Addition to Application Number	:NA	4)Shinei MOCHIZUKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problems] To provide a surrounding structure of a suspension frame which can efficiently receive loads and vibrations applied to a vehicle body, and can enhance the rigidity of the vehicle body. [Means for Solving the Problem] There is provided a surrounding structure of a suspension frame including a pair of left and right side frames 2 in the vehicle width direction, lower arms 3 below the side frames 2, and a suspension frame 4 between the pair of side frames. The suspension frame 4 includes a center connecting body 9, front arms 10 and rear arms 11 extending outward in the vehicle width direction from both ends, in the vehicle width direction, of the center connecting body 9, and front suspending bodies 12 and rear suspending bodies 14 respectively extending outward in the vehicle width direction from both outer ends, in the vehicle width direction, of the front arms 10 and the rear arms 11 respectively. The center connecting body 9, the front suspending bodies 12, and the rear suspending bodies 14 are located at substantially the same plane. Rear suspending shafts 20 projecting upward in the rear suspending bodies 14 are inserted through through-holes 3cl of the lower arms 3 respectively. Upper ends of the rear suspending shafts 20 are attached to the side frames 2 respectively. [Selected Drawing] FIG. 5

No. of Pages: 34 No. of Claims: 4

(22) Date of filing of Application :26/03/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: AMBIENT TEMPERATURE WATER EXTRACT OF CURCUMA LONGA L

(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ADICHUNCHANAGIRI BIOTECHNOLOGY AND
(32) Priority Date	:NA	CANCER RESEARCH INSTITUTTE
(33) Name of priority country	:NA	Address of Applicant :BALAGANGADHARANADA
(86) International Application No	:NA	NAGARA - 571 448, NAGAMANGALA TALUK, MANDYA
Filing Date	:NA	DISTRICT Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)LEELA SRINIVAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Compounds isolated from Curcuma longa L with improved blood clotting activity are provided. Also disclosed are methods to isolate the compounds, and compositions, and manufacturing methods thereof. The compounds as isolated are used in medical conditions requiring blood clot formation. The compounds extracted from isolation of ambient temperature water extracts of Curcuma longa L exhibit anti-bleeding properties.

No. of Pages: 9 No. of Claims: 8

(21) Application No.4478/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: LIGHT DIMMING 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>	:H05B :2011- 254542 :22/11/2011 :Japan	(71)Name of Applicant: 1)Panasonic Corporation Address of Applicant:1006 Oaza Kadoma Kadoma-shi Osaka 571-8501 Japan Japan (72)Name of Inventor:
· · · · · · · · · · · · · · · · · · ·		1 1
(86) International Application No	:NA	1)Satoshi Hirata
Filing Date	:NA	2)Shuji MATSUURA
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A light dimming device including: an operating section; a dimming control section; a diming lower limit setting section; and a mode switching section. The operating section is operated by a user. The dimming control section is configured to determine a desired dimming level within a dimming range according to the operation of the operating section. The dimming control section is configured to control a power supplied to the illumination load so as to light the illumination load at the determined dimming level. The dimming lower limit setting section is configured to adjust a supply power to the illumination load at the lower limit of the dimming range. The mode switching section is configured to switch the operation mode of the light dimming device either a lighting mode in which the dimming control section lights with dimming the illumination load according to the operation of the operating section, or an adjusting mode in which the dimming lower limit setting section adjusts the supply power to the illumination load at the lower limit of the dimming range according to the operation of the ope

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

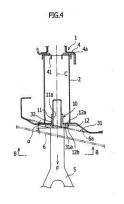
(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: TOW HOOK FIXING MEMBER 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</li> </ul>	:B60R :2011- 244450 :08/11/2011 :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 Japan (72)Name of Inventor:  1)Koji NAKAZATO  2)Taku SUMINO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem to be Solved] The present invention provides a tow hook fixing member structure for a vehicle capable of realizing size reduction of the tow hook fixing member by reducing a projection length of each nut in the longitudinal direction of a vehicle, enhancing designability of the tow hook fixing member, and efficiently absorbing load applied from the outside of the vehicle to the tow hook fixing member on crush boxes. [Solution] The tow hook fixing member structure includes at least one nut 10 fixed to each bumper member extension 31; and an eyebolt 5 of a tow hook engagingly screwed and fixed into each nut 10 so as to enable vehicle towing, and the eyebolt 5 is engagingly screwed into the extension 31 through the nut 10. In this tow hook fixing member structure, the nut 10 includes a cylindrical portion 11 so attached to the extension 31 as to extend inward in the longitudinal direction of the vehicle and having a threaded portion on an inner circumference of the cylindrical portion 11 for being engaged with the eyebolt 5, and a disk-like portion 12 projecting from an outer periphery of a front end of the cylindrical portion 11. A rear surface 12a of the disk-like portion 12 is joined to an attachment surfece 31a of the extension 31. [Selected Drawing] FIG 4



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

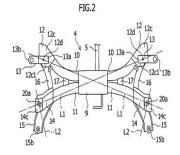
(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SURROUNDING STRUCTURE OF SUSPENSION 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> </ul>	: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 Japan Japan (72)Name of Inventor:  1)Fumihiko KANATSU  2)Takehiro SHOJI  3)Tatsuhiko FUJII  4)Shinei MOCHIZUKI
		4)Shinei MOCHIZUKI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

[Problems] To provide a surrounding structure of a suspension frame which can efficiently receive loads and vibrations applied to a vehicle body and can increase the rigidity of the vehicle body. [Means for Solving the Problem] There is provided a surrounding structure of a suspension frame including: a suspension frame 4 configured to connect side frames 2, and arranged on bom sides, in the vehicle width direction, of a driving mechanism respectively; the suspension frame 4 arranged apart from the driving mechanism in the vehicle front and rear direction; and a torque rod 5 configured to connect the driving mechanism to the suspension frame 4 respectively. The suspension frame 4 includes front arms 10 and rear arms 11 extending outward from both ends, in the vehicle width direction, of a center connecting body 9. One end of the torque rod 5 is attached to the center connecting body 9 of the suspension frame 4. The front arms 10 and the rear arms 11 are located on the opposite side of the torque rod 5, in the vehicle front and rear direction, and are formed in an arc shape projecting to have the center connecting body 9 at the distal end in an upper view. [Selected Drawing] FIG. 2



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1274/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: INTERFACE DEVICE FOR SECURITY, ENTERTAINMENT AND COMMUNICATION

(51) I	110 4117	
(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SINGH SHIRISH
(32) Priority Date	:NA	Address of Applicant :REB 410, PURVA RIVIERA
(33) Name of priority country	:NA	MARATHAHALLI, BANGALORE 560 037 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SINGH SHIRISH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

NA

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :29/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: NOVEL LYOPHILIZED COMPOSITIONS OF CYCLOPHOSPHAMIDE

		(71)Name of Applicant :
		1)LEIUTIS PHARMACEUTICALS PVT LTD.
(51) International classification	:A61K	Address of Applicant :PLOT NO. 23, V S R COMPLEX, TIE
(31) Priority Document No	:NA	1ST PHASE, BALANAGAR, HYDERABAD - 500 037 Andhra
(32) Priority Date	:NA	Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)KOCHERLAKOTA CHANDRASHEKHAR
Filing Date	:NA	2)BANDA NAGARAJU
(87) International Publication No	: NA	3)SINGAMPALLI RAJASEKHARA REDDY
(61) Patent of Addition to Application Number	:NA	4)PONDURI SIVA SANKARA REDDY
Filing Date	:NA	5)ALETI LAXMI NARASIMHA RADDY
(62) Divisional to Application Number	:NA	6)CHILAKALA KRISHNA MOHAN
Filing Date	:NA	7)KAPADNIS TUSHAR BALU
		8)RACHERLA RAJA VIKRAM
		9)GORRE VIJAYA CHANDRA

## (57) Abstract:

The present invention relates to the process for producing novel lyophilized compositions of Cyclophosphamide, wherein the process does not need rehydration step. The compositions of the present invention have greater stability and uniformity.

No. of Pages: 49 No. of Claims: 40

(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MANUALLY OPERATED SINGLE CYLINDER TRIPLE ACTING RECIPROCATING PUMP

<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>	:F04B :NA ·NA	(71)Name of Applicant:  1)M. SIVASUBRAMANIAN Address of Applicant: DEPARTMENT OF MECHANICAL ENGINEERING KALASALINGAM UNIVERSITY ANAND NAGAR, KRISHNANKOIL SRIVILLIPUTHUR - 626 190 Tamil Nadu India  2)K. MACLIN JOHN VASANTH 3)N. PRADEEP KUMAR 4)R. KARTHISAMY 5)DR. S. RAJAKARUNAKARAN (72)Name of Inventor: 1)M. SIVASUBRAMANIAN 2)K. MACLIN JOHN VASANTH 3)N. PRADEEP KUMAR 4)R. KARTHISAMY 5)DR. S. RAJAKARUNAKARAN
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## (57) Abstract:

The need of a high pressure and large amount of water delivery is the main idea of the project. The present is designed to be a robust and easy to use. The cylinder and crank mechanism is fixed over mild steel frame. Handle is used to rotate the crank which in turn results in to & fro of the pistons. Suction and delivery of pump is achieved by the reciprocating action of pistons. The present model increases the delivery rate and pressure.

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

(22) Date of filing of Application :02/11/2012

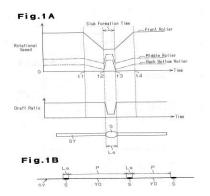
(43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD FOR PRODUCING SPECIFAL YARN

(51) International classification	:D01H	(71)Name of Applicant:
(31) Priority Document No	:2011- 243694	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:07/11/2011	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TSUCHIDA, DAISUKE
Filing Date	:NA	2)KOJIMA, 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:

A method for producing a special yarn, which includes a slub formed by a portion that is thicker than a portion having a reference thickness, with a spinning frame including a draft part in which a front roller and a back roller are rotated by different variable speed motors. The method includes the steps of temporarily decreasing rotational speeds of the front roller and the back roller to decrease a spinning speed to a speed lower than a normal spinning speed without changing thickness of the yarn before slub formation, and performing slub formation from a state in which the spinning speed is decreased to the speed that is lower than the normal spinning speed. fig- 1



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

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: EXHAUST GAS REFLUX AMOUNT ADJUSTING DEVICE •

(51) International classification	:F02M	(71)Name of Applicant :
(31) Priority Document No	:2011-	1)SUZUKI MOTOR CORPORATION
(31) Thomas Bocament 110	260185	Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:29/11/2011	Hamamatsu-shi Shizuoka-Ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Takashi ISE
Filing Date	:NA	
(87) International Publication 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 an exhaust gas reflux amount adjusting device capable of reducing the possibility of deterioration of a catalyst causing an operation failure of an EGR valve. An EGR gas reflux amount restricting device 30 includes a catalyst deterioration degree calculating unit 31 for calculating a catalyst deterioration degree actual measurement Ddm based on detection results from an air fuel ratio sensor 21 and an oxygen sensor 22, a catalyst deterioration degree determining unit 32 for determining whether the catalyst deterioration degree actual measurement Ddm is equal to or greater than a first predetermined value, and an EGR gas reflux amount restriction instructing unit 33 for controlling an EGR valve 17 to restrict an EGR gas reflux amount when the catalyst deterioration degree determining unit 32 determines that the catalyst deterioration degree actual measurement Ddm is equal to or greater than the first predetermined value.

No. of Pages: 42 No. of Claims: 5

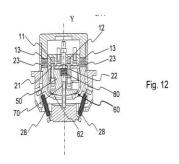
(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SET OF ELECTRIC CONNECTORS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (371) Name of Applicant: (31) Name of Applicant: (32) Priority Date (33) Name of priority country (34) International Application No Filing Date (35) International Application No Filing Date (36) Divisional to Application Number Filing Date (37) Name of Applicant: (31) SCHNEIDER ELECTRIC INDUSTRIES SAS (32) Address of Applicant: (33) RUE JOSEPH MONIER, F-9250 (34) RUEIL MALMAISON France (35) Name of Inventor: (36) Name of Applicant: (37) Name of Applicant: (37) Name of Applicant: (38) Address of Applicant: (39) Name of Inventor: (30) Name of Applicant: (31) SCHNEIDER ELECTRIC INDUSTRIES SAS (32) Priority Country (33) Name of Applicant: (31) SCHNEIDER ELECTRIC INDUSTRIES SAS (32) Priority Country (33) Name of Applicant: (31) Name of Applicant: (31) Name of Applicant: (31) Name of Applicant: (31) Name of Applicant: (32) Name of Applicant: (32) Name of Applicant: (33) Name of Applicant: (34) Name of Applicant: (35) RUE JOSEPH MONIER, F-9250 (72) Name of Inventor: (36) Name of Applicant: (37) Name of Applicant: (37) Name of Applicant: (38) Address of Applicant: (39) Name of Applicant: (30) Name of Applicant: (31) Name of Applicant: (30) Name of Applicant: (31) Name of Applicant: (32) Name of Applicant: (33) Name of Applicant: (34) Name of Applicant: (35) Name of Applicant: (36) Name of Applicant: (37) Name of Applicant: (37) Name of Applicant: (38) Name of Applicant: (39) Name of Applicant: (30) Name of Applicant: (30) Name of Applicant: (31) Name of Applicant: (31) Name of Applicant: (32) Name of Applicant: (33) Name of Applicant: (34) Name of Applicant: (35) Name of Applicant: (36) Name of Applicant: (37) Name of Applicant: (38) Name of Applicant: (39) Name of Applicant: (30) Name of Applicant: (30) Name of Applicant: (31) Name of Applicant: (31) Name of Applicant: (32) Name of Applicant: (33) Name of Applicant: (34) Name of Applicant: (35) Name of Applicant: (3	600
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#### (57) Abstract:

A set of electric connectors (1) comprising: - a plug (10) comprising two concentric annular electric tracks (11, 12) designed to come and respectively collaborate with electric contacts (21, 22) of an electric socket (20); - magnetic operating means (13, 23) generating a first operating force (F1) to position the plug (10) on the socket (20), said socket comprising flexible operating means (28) generating a second operating force (F2) opposite to the first operating force (F1) and being able to move the electric contacts (21, 22) between a second and a first position; - magnetic or mechanical means for anticipated releasing of movement of the two electric contacts (21, 22) from the second to the first position, said releasing means being arranged to reduce the ratio of forces between the first and second force (F1, F2). (Figure 12)



No. of Pages: 33 No. of Claims: 14

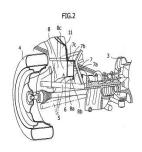
(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SURROUNDING STRUCTURE OF SIDE FRAME •

(51) International classification	:B60C	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)SUZUKI MOTOR CORPORATION
•	260746	Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:29/11/2011	Hamamatsu-shi Shizuoka-Ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yoshitaka USUDA
Filing Date	:NA	2)Taku SUMINO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problems] To provide a surrounding structure of a side frame capable of facilitating manufacturing of the same, reducing manufacturing cost for the same, realizing a low center of gravity, enhancing driving stability, and attaining efficient absorption of load in a vehicle front and rear direction. [Means for Solving the Problem] The surrounding structure of a side frame 6 includes a transmission 3 disposed at a center in a vehicle width direction, tires 4 disposed on both outward sides in the vehicle width direction, drive shafts 5 coupling the transmission 3 and the tires 4, and side frames 6 disposed above the drive shafts 5 in a vehicle front and rear direction, wherein, each side frame 6 has an inner panel 7 and an outer panel 8 which are joined to each other, the inner panel 7, has an inner portion 7a which forms a centerward end, in the vehicle width direction, of the side frame 6 and extends in a upper and lower direction, the outer panel 8 has a lower portion 8a which forms a lower portion of the side frame 6 and extends in the vehicle width direction, and also has a flange 8b projecting downward from a centerward end, in the vehicle width direction, of the lower portion 8a, and the lower end of the inner portion 7a of the inner panel 7 is joined to the flange 8b of the outer panel 8. [Selected Drawing] FIG. 2



No. of Pages: 23 No. of Claims: 3

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MIMO ANTENNA FOR IMPROVED ISOLATION

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:1020100039611	1)MOBITECH CORP
(32) Priority Date	:28/04/2010	Address of Applicant :111111121113 Star Valley 60 11 Gasan
(33) Name of priority country	:Republic of Korea	dong Geumcheon gu Seoul 153 777 Republic of Korea
(86) International Application No	:PCT/KR2011/003138	2)SEOUL NATIONAL UNIVERSITY OF TECHNOLOGY
Filing Date	:28/04/2011	CENTER FOR INDUSTRY COLLABORATION
(87) International Publication No	:WO 2011/136576	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)KIM Jin Myung
Number		2)JUNG Chang Won
Filing Date	:NA	3)YEOM In Su
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A MIMO antenna for improving isolation is disclosed. The disclosed antenna includes a first conductive member that is electrically connected with a feed point; a second conductive member that is separated from the first conductive member by a particular distance and electrically connected with a ground; at least one spiral cell that is joined to the first conductive member and the second conductive member and includes at least two spiral arms; and a radiator that extends from the second conductive member. The disclosed antenna can improve isolation properties between multiple antennas and can ensure adequate isolation properties even when the distances between multiple antennas are set to be relatively small.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9125/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: METAL IMIDE COMPOUNDS AS ANODE MATERIALS FOR LITHIUM BATTERIES AND GALVANIC ELEMENTS WITH A HIGH STORAGE CAPACITY

(51) International :H01M4/136,C01B6/04,C01B21/06

classification :102010003501.7 (31) Priority Document No

(32) Priority Date :31/03/2010 (33) Name of priority country: Germany

(86) International Application :PCT/EP2011/055035

No

:31/03/2011 Filing Date

(87) International Publication :WO 2011/121084 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) CHEMETALL GMBH

Address of Applicant: Trakehner Strae 3 60487 Frankfurt am

Main Germany

(72) Name of Inventor: 1)WIETELMANN Ulrich

## (57) Abstract:

14 2x2x21212414 2x2x212Metal imide compounds as anode materials for lithium batteries and galvanic elements with a high storage capacity. Metal imide compounds as highly capacitive anode materials for lithium batteries. The invention relates to a galvanic element an anode material for use in a galvanic element and method for producing an active electrode material. The galvanic element contains the metal imide compounds of the general formula (I): () y MNH (I) where M = alkali metal (Li Na K Rb Cs or any desired mixture thereof) M = alkaline earth metal element (Mg Ca Sr Ba or any desired mixture thereof) and x and y independently of one another represent a number between 0 and 1 in the discharged state or the metal imide compounds of the general formula (II): LiMM(NH) y LiH (II) where M = alkali metal (Li Na K Rb Cs or any desired mixture thereof) M = alkaline earth metal element (Mg Ca Sr Ba or any desired mixture thereof) and x and y independently of one another represent a number between 0 and 1 in the charged state.

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

(21) Application No.4506/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: SYSTEM APPARATUS AND METHOD FOR DIGITAL DISTRIBUTION

(-1)		
(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:13540483	1)Bluebox Media Technologies Inc.
(32) Priority Date	:02/07/2012	Address of Applicant :2905 Stender Way Suite 8B Santa
(33) Name of priority country	:U.S.A.	Clara CA 95054 USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ganesh Janyavula
(87) International Publication No	: NA	2)Renganathan Veerasubramanian
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An apparatus for encrypting content to be played on another device is provided. The apparatus includes a processor and memory that includes a set of instructions. The set of instructions is configured to cause the processor to receive a selection of content from a user accessing the apparatus and determine whether the user is authorized to receive the content. The set of instructions is further configured to cause the processor to transfer content along with an encrypted key associated with the user when the user is authorized to receive the selected content.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4709/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ECO POWER SYSTEM

(51) International classification	:B60W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)R. SUBBURAM
(32) Priority Date	:NA	Address of Applicant :32/33, 3RD ST. THIRUMALAI
(33) Name of priority country	:NA	NAGAR MADAMPAKKAM, CHENNAI - 126 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R. SUBBURAM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Eco Power System (EPS) is an exact modified arrangement of wind mill system to produce electricity from the stream of air of a moving bus. This EPS arrangement consist of a wind mill with a lOkw/hr generator and the power generated is stored in 6Numbers batteries of 12volt which is fixed on a moving bus for generating electricity from the fast moving air which rotates the blade of wind mill.

No. of Pages: 45 No. of Claims: 3

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: MOBILE TERMINAL AND CONTROL METHOD FOR THE MOBILE TERMINAL

(31) Priority Document No (32) Priority Date (33) Name of priority country :Re	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:

Disclosed are a mobile terminal which can transmit or receive a message and a method of controlling the same. The mobile terminal includes a display configured to output a message region for displaying a message transmitted or received through a radio communication unit; and a controller configured to control the display such that at least part of the message region overlaps a screen region for prevention of revelation of at least part of the message displayed on the message region to the outside.

No. of Pages: 59 No. of Claims: 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9111/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: OLIGOMERIZED ESTER ALKOXYLATE 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> <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>	:07/04/2011 :WO 2011/136906 :NA :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor: 1)VINCI Daniele 2)KERSBULCK Jochem
Filing Date	:NA	

#### (57) Abstract:

A process results in oligomerized ester alkoxylate compositions having substantially no unsaturation which may be useful as lubricants heat transfer fluids plasticizers thickening agents surfactants or power transmission fluids. The steps include in either order oligomerization of a hydroxylated fatty acid or fatty ester and quantitative reaction of unreacted carboxylic acid or ester groups with an alcohol with the product of either reaction then being alkoxylated in the presence of a double metal cyanide catalyst. These oligomerized ester alkoxylates may be derived from vegetable oils to ensure high levels of renewable carbons. The compositions may exhibit desirably high viscosity index low pour point and high levels of renewable carbons.

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

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: ROBOTIZED SURGERY SYSTEM WITH IMPROVED 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B 19/00 :MI2010A000579 :07/04/2010 :Italy :PCT/IB2011/051397 :01/04/2011 :WO/2011/125007 :NA :NA :NA	(71)Name of Applicant:  1)SOFAR SPA Address of Applicant: Via Firenze 40 I-20060 Trezzano Rosa (MI) Italy (72)Name of Inventor: 1)EMILIO RUIZ MORALES 2)DAMIEN BRASSET 3)PAOLO INVERNIZZI
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#### (57) Abstract:

A robotized surgery system (10) comprises at least one robot arm (11) which acts under the control of a control console (12) intended for the surgeon. The console (12) comprises an eye tracking system (21) for detecting the direction of the surgeons gaze and for entering commands depending on the directions of the gaze detected. The console (22) comprises advantageously a screen (23) with at least one zone (23) for viewing the operating field and, among the commands which can be performed depending on the gaze directions, there is advantageously an automatic command for enabling or disabling the movement of the robot arm (11) when a gaze direction which falls within or outside of said zone (23) of the screen is detected.

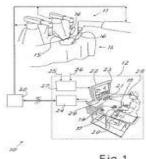


Fig. 1

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

(22) Date of filing of Application :29/10/2012

(43) Publication Date: 29/04/2016

## (54) Title of the invention : DEVICE AND METHOD TO PROVIDE SECURE COMMUNICATION IN AN INTERNET PROTOCOL (IP) NETWORK

		(71)Name of Applicant :
		1)CENTRE FOR DEVELOPMENT OF TELEMATICS (C-
(51) International classification	:H04L	DOT)
(31) Priority Document No	:NA	Address of Applicant :Phase I Hosur road Electronic City
(32) Priority Date	:NA	Bangalore 560100 Karnataka India Karnataka India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)V V R Sastry
Filing Date	:NA	2)Jayant Bhatnagar
(87) International Publication No	: NA	3)Kannan R
(61) Patent of Addition to Application Number	:NA	4)Manogya Lahiri
Filing Date	:NA	5)Sarang Sureshrao Bhute
(62) Divisional to Application Number	:NA	6)Sudha Rani B R
Filing Date	:NA	7)Manish Sharma
-		8)Anil Kumar
		9)Suresh B R

#### (57) Abstract:

Embodiments of the present disclosure relate to a device to provide secure communication over a predefined network. The device comprises an authentication module to authenticate user to the device. Upon authentication communication data provided by the user is encrypted using an encryption module configured in the device. The encrypted communication data is transmitted to one or more devices in the predefined network. The device is capable of receiving encrypted data from the one or more devices in the predefined network upon authentication of the user. The decryption module configured in the device decrypts the received communication data and provides it to the user. The encryption module and the decryption module are associated with a 1-wire interface module. The 1-wire interface module provides additional authentication of the user to access the encryption module and/or the decryption module. The predefined network is an internet protocol (IP) network. Fig.1

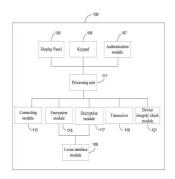


Fig.1

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

(22) Date of filing of Application :29/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BATCH PROCESS OF BUSINESS OBJECTS

(32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) Name of priority country (10) S.A. (13) Name of Applicant : Dietmar-Hopp-Allee 16 D-69190 (13) Walldorf Germany Germany (13) Name of Inventor: (13) Name of Applicant: Dietmar-Hopp-Allee 16 D-69190 (13) Name of Inventor: (13) Name of Invento	<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>	:13/309,252 :01/12/2011 :U.S.A. :NA :NA :NA :NA :NA	Address of Applicant :Dietmar-Hopp-Allee 16 D-69190 Walldorf Germany Germany (72)Name of Inventor : 1)BRUNSWIG Frank 2)JENTSCH Frank
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## (57) Abstract:

A service consumer may define batch jobs (batch containers) in which business object methods can be invoked on business object instances. The invocations may be recorded. The service consumer may trigger batch execution to cause the business object instances to be modified in accordance with the recorded invocations. The batch job can be executed as a single transaction in a single process. The batch job can be partitioned into multiple transactions and processed by respective multiple processes.

No. of Pages: 23 No. of Claims: 19

(22) Date of filing of Application :05/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : NOVEL SYNERGISTIC HERBOCHEMICAL COMPOSITION FOR TREATING VIRAL DISEASES - HSV 1, HSV 2, & VZV

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M/S. ARVUIND REMEDIES LTD
(32) Priority Date	:NA	Address of Applicant :NO. 190, POONAMALLEE HIGH
(33) Name of priority country	:NA	ROAD, CHENNAI - 600 084 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PROF.DR.S.RAJARAJAN
(87) International Publication No	: NA	2)DR. B.D.GUPTA
(61) Patent of Addition to Application Number	:NA	3)DR.P.SRIRAM
Filing Date	:NA	4)DR. RAGHUVEER ACHARYA
(62) Divisional to Application Number	:NA	5)DR. SUBASHRI BEULAH PRIYADARSINI. B
Filing Date	:NA	6)DR. RAMESH KUMAR GNANADOSS

#### (57) Abstract:

The present invention relates to a novel synergistic composition for treating viral diseases, more particularly karanjin and acyclovir for treating Human herpes virus (HHV-1), Human herpes virus (HHV-3) also called Varicella zoster virus (VZV).

No. of Pages: 18 No. of Claims: 6

(22) Date of filing of Application :09/11/2012

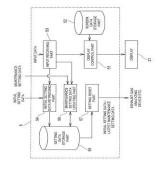
(43) Publication Date: 29/04/2016

# (54) Title of the invention : EXHAUST GAS ANALYSING DEVICE AND MANAGEMENT DEVICE FOR EXHAUST GAS ANALYZING DEVICE

(51) International classification	:G07C	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)HORIBA, LTD.
(31) Thorny Bocument ivo	246281	Address of Applicant :2, MIYANOHIGASHI-CHO,
(32) Priority Date	:10/11/2011	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)OKADA, KAORU
(87) International Publication No	: NA	2)HAYATA, MASAYUKI
(61) Patent of Addition to Application Number	:NA	3)YAMAZAKI, TORU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is intended to be able to restore a setting of an exhaust gas analyzing device to an initial setting at the time of product shipment or the latest maintenance setting performed prior to the corresponding maintenance in the maintenance of the exhaust gas analyzing device. The present invention includes a setting data storage part (55) storing initial setting data indicating initial setting information of each part constituting an exhaust gas analyzing device (2) in a state of product shipment and the latest maintenance setting data indicating the latest maintenance setting information of each part constituting the exhaust gas analyzing device (2) in the latest maintenance. [Selected drawing] Fig. 3



No. of Pages: 33 No. of Claims: 5

(21) Application No.9133/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: FEEDBACK INFORMATION TRANSMISSION METHOD MOBILE STATION DEVICE AND BASE STATION DEVICE

(51) International :H04J99/00,H04B7/04,H04W16/28 classification

(31) Priority Document No :2010-100036 (32) Priority Date :23/04/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/059782

No Filing Date

:21/04/2011

(87) International Publication

:WO 2011/132727 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)NTT DOCOMO INC.

Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku

Tokyo 1006150 Japan (72)Name of Inventor: 1)TAOKA Hidekazu 2) KUSUME Katsutoshi

#### (57) Abstract:

k effHDisclosed is a feedback information transmission method that improves the data rate during MIMO transmission regardless of the magnitude of the correlation between antennas whilst preventing an increase in the amount of feedback information. Specifically disclosed is a feedback information transmission method that transmits to a base station device feedback information used for MIMO transmission by assuming that the Hermitian transposition of a precoding matrix corresponding to a PMI selected according to channel variation is the channel matrix (effective channel: h). The feedback information transmission method is characterized by selecting PMI and RI according to channel variation measuring a CQI for single user MIMO transmission calculating supplementary information that supplements the difference between the CQI for single user MIMO transmission and the CQI for multi user MIMO transmission (e.g. CQI difference information (CQI) and sending the PMI RI CQI for single user MIMO transmission and supplementary information as feedback information to the base station device.

No. of Pages: 96 No. of Claims: 17

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

#### (54) Title of the invention: SHIELD CONNECTOR

(51) International :H01R4/64,H01R13/52,H01R13/74

:WO 2012/029996

classification (31) Priority Document No :2010196711 (32) Priority Date :02/09/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/070540

No :02/09/2011

Filing Date :02/09/20

(87) International Publication

(61) Patent of Addition to

Application Number
Filing Date
:NA
:NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)YAZAKI CORPORATION

Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo

1088333 Japan

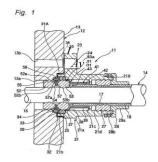
(72)Name of Inventor:

1)OMAE Takashi

2)ZAITSU Kazuki

#### (57) Abstract:

A shield connector includes a housing and a shield terminal. The housing has a tubular shape so that a shield electric wire is inserted thereinto and is attached to an objective body so as to communicate with an insert hole of the objective body. The shield terminal has a tubular shape is electrically conductive is attached to an inner peripheral side of the housing and is electrically conducted to the objective body and the shield layer. A seal member having a tubular shape is provided between an inner periphery of the insert hole and the shield electric wire and between the shield terminal and the shield electric wire so as to seal a part between the inner periphery of the insert hole and an outer periphery of the shield electric wire and a part between an inner periphery of the shield terminal and the outer periphery of the shield electric wire.



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

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MOBILE TERMINAL AND POWER CONTROL METHOD

(51) International classification	:G06F1/26,G06F21/06	(71)Name of Applicant :
(31) Priority Document No	:2010-077800	1)NEC Platforms Ltd.
(32) Priority Date	:30/03/2010	Address of Applicant :2 6 1 Kitamikata Takatsu ku Kawasaki
(33) Name of priority country	:Japan	shi Kanagawa 2138511 Japan
(86) International Application No	:PCT/JP2011/050863	(72)Name of Inventor :
Filing Date	:19/01/2011	1)SUMIDA Haruhiko
(87) International Publication No	:WO 2011/122073 A1	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a mobile terminal which comprises: a tamper detection circuit (17); an information processing unit (13) which is capable of executing a suspend function; a first battery (23) which supplies power to the information processing unit (13) and the tamper detection circuit (17); and a switch (27) which is provided on a power source supply line (431) connecting the first battery (23) and the information processing unit (13) and which is capable of performing switching as to whether or not the information processing unit (13) is connected to the first battery (23).

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

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD FOR WASHING SEPARATION MEMBRANE MODULE AND METHOD FOR GENERATING FRESH WATER

(51) International classification :B01D65/02,C02F1/28,C02F1/44 (71)Name of Applicant:

(31) Priority Document No :2010-077069 (32) Priority Date :30/03/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/055643

:10/03/2011 Filing Date

(87) International Publication No:WO 2011/122289 A1

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)TORAY INDUSTRIES INC.

Address of Applicant: 1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038666 Japan

(72)Name of Inventor: 1)ONISHI Takashi 2) IKEDA Keiichi 3)OKUBO Kenichi

#### (57) Abstract:

Disclosed is a method for cleaning a separation membrane module after raw water containing particles that have a higher hardness than the separation membrane are percolated using the separation membrane wherein with the aims of efficiently decreasing abrasion of the outer membrane surface resulting from the high hardness particles during air washing suppressing cake filtration resistance deriving from high hardness particles on the membrane surface when the membrane continues to be used in a percolation step and enabling stable operation at a low membrane percolation pressure differential after ending percolation after water on the primary side of the membrane within the separation membrane module is discharged out of the system back pressure cleaning is conducted during which the back pressure cleaning wastewater within the separation membrane module is discharged and then one of the belowmentioned steps is conducted after which the water on the primary side of the membrane in the separation membrane module is discharged out of the system: (a) a step wherein the primary side of the membrane in the separation membrane module is filled with water and air washing is performed; (b) a step wherein air washing is performed while supplying water to the primary side of the membrane within the separation membrane module.

No. of Pages: 51 No. of Claims: 11

(22) Date of filing of Application :26/10/2012

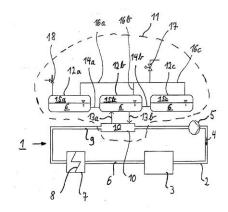
(43) Publication Date: 29/04/2016

# (54) Title of the invention : EXPANSION SYSTEM IN THE HEAT TRANSFER MEDIUM CIRCUIT OF A SOLAR THERMAL POWER 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F24J2/46 :10 2010 013 735.9 :31/03/2010 :Germany :PCT/EP2011/054804 :29/03/2011 :WO 2011/120957 A1 :NA	(71)Name of Applicant: 1)FLAGSOL GMBH Address of Applicant: Agrippinawerft 30 50678 Kln Germany (72)Name of Inventor: 1)GR,,TER Frieder 2)LA PORTA Francesco 3)BICKMEYER Wolfhard 4)M-BIUS Christian
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

In the case of an expansion system (11) in the heat transfer medium circuit (1) of a solar thermal power plant comprising a plurality of expansion tanks (12a 12b 12c) and/or flooding tanks arranged in the heat transfer medium circuit (1) the intention is to provide a solution which makes it possible to create an expansion system which is simplified in technical terms and is of less complex design. This is achieved in that the expansion system (11) comprises a plurality of expansion tanks (12a 12b 12c) which are arranged substantially at the same height level and are in fluid channelling connection with one another.



No. of Pages: 14 No. of Claims: 12

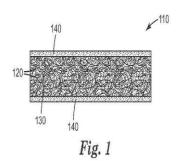
(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ELECTRON BEAM CURED SILICONIZED FIBROUS WEBS

(51) International classification	:D04H1/42	(71)Name of Applicant:
(31) Priority Document No	:61/329411	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:29/04/2010	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:U.S.A.	Paul Minnesota 55133 3427 U.S.A.
(86) International Application No	:PCT/US2011/033021	(72)Name of Inventor:
Filing Date	:19/04/2011	1)LIU Junkang J.
(87) International Publication No	:WO 2011/136977	2)NGUYEN Lang N.
(61) Patent of Addition to Application	:NA	3)RICHTER Karl B.
Number	:NA	4)WONG Roy
Filing Date	.IVA	5)ZOLLER Panu K.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Siliconized fibrous webs are described. The siliconized webs include a fibrous web saturated with an electron beam cured silicone composition. Siliconized webs with electron beam cured silicone coating are also described. Methods of preparing both the coated and uncoated siliconized fibrous webs are also described.



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

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD TO MAKE POLY(L LACTIDE) STENT WITH TUNABLE DEGRADATION RATE

(51) International :A61L31/04,A61L31/14,A61L31/06 classification

(31) Priority Document No :12/751773 (32) Priority Date :31/03/2010

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/025074

:16/02/2011 Filing Date

(87) International Publication :WO 2011/123194

(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)ABBOTT CARDIOVASCULAR SYSTEMS INC.

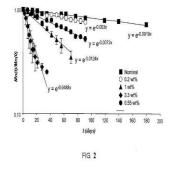
Address of Applicant: 3200 Lakeside Drive Santa Clara California 95054 2807 U.S.A.

(72) Name of Inventor: 1)WANG Yunbing

2)MA Xiao

(57) Abstract:

Methods of making a biodegradable polymeric stent made from poly(L lactide) and a low concentration of L lactide monomer is disclosed. The concentration of L lactide is adjusted to provide a degradation behavior that is suitable for different treatment applications including coronary peripheral and nasal. Methods include making a poly(L lactide) material for a stent with uniformly distributed L lactide monomer through control of polymerization conditions during PLLA synthesis control of post processing conditions or both.



No. of Pages: 38 No. of Claims: 21

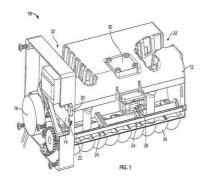
(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ICE MAKER WITH ROTATING ICE MOLD AND COUNTER ROTATING EJECTION 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 Filing Date</li> </ul>	:F25C5/04 :12/768303 :27/04/2010 :U.S.A. :PCT/US2011/033561 :22/04/2011 :WO 2011/139600 :NA :NA :NA	(71)Name of Applicant:  1)ELECTROLUX HOME PRODUCTS INC.  Address of Applicant: 20445 Emerald Parkway Sw Suite 250  Cleveland OH 44135 0920 U.S.A.  (72)Name of Inventor:  1)MCCOLLOUGH Thomas Woodrow  2)YOUNG Edward M.  3)ARVIA Aaron
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#### (57) Abstract:

An ice maker includes an ice mold and a sweeping element. The ice mold includes a plurality of cavities and is configured to be rotatable about an axis that is spaced apart from the cavities and extends longitudinally with respect to the ice mold. The sweeping element is configured to be rotatable about the axis and includes a shaft with a plurality of fingers radially extending from the shaft. Each of the fingers is configured to extend into a corresponding one of the cavities upon rotation of the shaft about the axis. During a harvesting step the ice mold is configured to rotate in a first direction about the axis while the sweeping element is configured to rotate in a second direction about the axis that is opposite the first direction.



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

(22) Date of filing of Application :26/10/2012

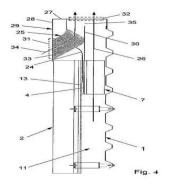
(43) Publication Date: 29/04/2016

# (54) Title of the invention : ARRANGEMENT FOR GENERATING ELECTRICITY WITH THERMOELECTRIC GENERATORS AND SOLAR ENERGY COLLECTOR MEANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L35/30 :10003432.1 :30/03/2010 :EPO :PCT/EP2011/001585 :30/03/2011 :WO 2011/120676 :NA	(71)Name of Applicant:  1)TATA STEEL UK LIMITED  Address of Applicant: 30 Millbank London SW1P 4WY U.K. (72)Name of Inventor:  1)KHAN Ahsan  2)PARKIN PHILLIP
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an arrangement for generating electricity comprising thermoelectric generators said generators converting a heat difference between a first and a second surface of a generator in electricity means to provide a heated first medium to the first surfaces of the one or more thermoelectric generators and means to provide a second medium with a temperature lower than that of the first medium to the second surfaces of the one or more thermoelectric generators. The first medium is heated by means of solar energy collector means which solar energy collector means transfer collected solar energy to air passing through the solar energy collector means wherein the first medium is a working fluid or the heated air itself. The second medium is a working fluid or ambient air with a lower temperature than the first medium.



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

(22) Date of filing of Application :26/10/2012

(43) Publication Date: 29/04/2016

## (54) Title of the invention: EXHAUST HANGER BAND ASSEMBLY AND TEXTILE SLEEVE EXPANSION LIMITER THEREFOR AND METHOD OF INCREASING THE TENSILE STRENGTH OF AN EXHAUST HANGER BAND

(51) International :F01N13/08,F01N13/18,F01N13/00 classification

(31) Priority Document No (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/US2010/029338

No :31/03/2010

(87) International Publication :WO 2011/123105

Filing Date

(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)FEDERAL MOGUL POWERTRAIN INC.

Address of Applicant :26555 Northwestern Highway

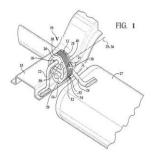
Southfield MI 48033 U.S.A. (72)Name of Inventor:

1)MALLOY Cassie M.

2)BURDY John Emerson

#### (57) Abstract:

An exhaust hanger band assembly sleeve therefore and method of increasing the elongation strength of an exhaust hanger band is provide. The exhaust hanger band assembly includes an elastomeric body configured to operably couple an exhaust member to a frame member of a vehicle. The elastomeric body has an annular outer surface extending along a body central axis between opposite sides. The assembly further includes a textile sleeve having a tubular wall extending along a sleeve central axis in generally parallel relation to the body central axis and between opposite ends. The tubular wall has at least one section of wale direction knit yarns extending along the sleeve central axis and at least one weft inserted yarn extending substantially transversely to the wale direction knit yarns about a circumference of the tubular wall. The at least one weft inserted yarn is interlinked with the at least one section of wale direction knit yarns.



No. of Pages: 18 No. of Claims: 25

(21) Application No.4460/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A SYSTEM FOR LIGHT PAINTING USING HANDHELD DEVICES IN AUGMENTED REALITY ENVIRONMENT AND METHOD THEREOF

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRE FOR DEVELOPMENT OF ADVANCED
(32) Priority Date	:NA	COMPUTING (C-DAC)
(33) Name of priority country	:NA	Address of Applicant :Knowledge Park No. 1 Old Madras
(86) International Application No	:NA	Road Byappanahalli Bangalore 560038 India Haryana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Parimal Naigaonkar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides a light painting method using a handheld device, wherein the handheld device is configured with a camera. The present disclosure also provides a method of using a light pointing device as a virtual writing tool in an augmented environment. In particularly, the present disclosure also demonstrates cost effective light painting method, in which a light pointing device is used as a virtual writing tool in an augmented environment.

No. of Pages: 21 No. of Claims: 20

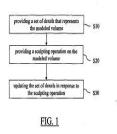
(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DESIGNING A MODELED VOLUME REPRESENTED BY DEXELS •

(51) T	COCE	
(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:11306424.0	1)DASSAULT SYSTEMES
(32) Priority Date	:03/11/2011	Address of Applicant :10 Rue Marcel Dassault 78140
(33) Name of priority country	:EPO	VELIZY VILLACOUBLAY FRANCE France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Nicolas MONTANA
(87) International Publication No	: NA	2)Marc MONTEIL
(61) Patent of Addition to Application Number	:NA	3)Romain NOSENZO
Filing Date	:NA	4)Andre LIEUTIER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

It is provided a computer-implemented method for designing a mode Led volume. The method comprises providing a set of dexels (S 10) that represents the modeled volume each dexel comprising a set of at least one segment representing the intersection between a line and the modeled volume wherein the set of dexels is partitioned into groups of neighboring dexels and wherein a memory space depending on the maximum number of segments comprised in each of the dexels of the group is allocated to each group; providing a sculpting operation (520) on the modeled volume; and updating (S3 0) the set of dexels in response to the sculpting operation. Such a method improves the design of a modeled volume represented by a set of dexels. FIG. 1



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

(22) Date of filing of Application :01/11/2012

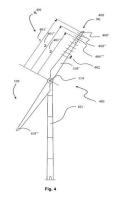
(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR CONTROLLING A WIND TURBINE WITH ADDITIONAL ROTOR MOMENT OF INERTIA AND A WIND TURBINE WITH ADDITIONAL ROTOR MOMENT OF INERTIA

(51) International classification	:F03D	(71)Name of Applicant:
(31) Priority Document No	:PA 2011 70605	1)Envision Energy (Denmark) ApS Address of Applicant :Torvet 11 2 8600 Silkeborg Denmark.
(32) Priority Date	:04/11/2011	
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:NA	1)Jens Birk
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a wind turbine having an additional mass each placed between a mounting end and a free end of at least two rotor blades. This invention further relates to a method for controlling a wind turbine with a pitch system for pitching a blade in a pitch angle and with blades with a mass for increased inertia which wind turbine is operated in a normal operation mode in which a generator has a generator speed at a generator torque and which wind turbine is to remain electrically coupled to a grid during a low voltage condition and with supplied current specifications torque reference power references or according to a grid code.



No. of Pages: 38 No. of Claims: 12

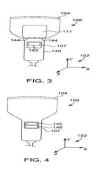
(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ULTRASOUND IMAGING SYSTEM AND METHOD

(51) International classification	:G06F	(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)SUNDARAN BABY SAROJAM, SUBIN
(87) International Publication No	: NA	2)HALMANN, MENACHEM NAHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An ultrasound imaging system and method includes performing a gesture with a probe and detecting the gesture based on data from a motion sensing system in the probe. 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. FIG.3 AND FIG. 4.



No. of Pages: 38 No. of Claims: 22

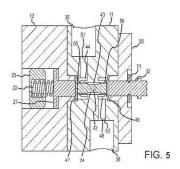
(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: DUAL DIAPHRAGM 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> </ul>	:F16K31/06 :NA :NA :NA :PCT/US2010/029912 :05/04/2010 :WO 2011/126472 :NA	(71)Name of Applicant:  1)NORGREN KLOEHN INC.  Address of Applicant:10000 Banburry Cross Drive Las Vegas Nevada 89144 U.S.A.  (72)Name of Inventor:  1)KISH Walter J.
(61) Patent of Addition to Application Number		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A dual diaphragm valve (100) includes a valve bore (40) extending between a first seal face (55) and a second seal face (56). A first port (36) and a second port (38) are in fluidic communication with the valve bore (40) through the first seal face (55) and the second seal face (56). The dual diaphragm valve (100) further includes a first diaphragm (47) positioned substantially at the first seal face (55) a second diaphragm (49) positioned substantially at the second seal face (56) and a valve plunger (24) configured to move substantially reciprocally in the valve bore (40). The first diaphragm (47) seals the first seal face (55) when the valve plunger (24) moves toward the second seal face (56) and the second diaphragm (49) seals the second seal face (56) when the valve plunger (24) moves toward the first seal face (55).



No. of Pages: 34 No. of Claims: 29

(21) Application No.4477/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LIGHT DIMMING DEVICE

(51) International classification	:H05B	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)Panasonic Corporation
(31) Thomy Document No	254537	Address of Applicant: 1006 Oaza Kadoma Kadoma-shi
(32) Priority Date	:22/11/2011	Osaka 571-8501 Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Satoshi HIRATA
Filing Date	:NA	2)Shuji MATSUURA
(87) International Publication 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 light dimming device including: a dimming control section; and a dimming lower limit setting section. The dimming control section is configured to control a power supplied to an illumination load so as to light the illumination load at a desired dimming level within a dimming range. The dimming lower limit setting section is configured to adjust a supply power to said illumination load at the lower limit of said dimming range. The dimming lower limit setting section includes a first operation section for increasing the supply power at the lower limit of the dimming range; and a second operation section for decreasing the supply power at the lower limit of the dimming range.

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

(21) Application No.4597/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LIQUID EXTRACTOR

:A47F	(71)Name of Applicant :
:NA	1)ACHARYA DEVARAJA
:NA	Address of Applicant :NEAR GANAPATHI TEMPLE,
:NA	KALAGINA PETE, PADUBIDRI; DIST: UDIPI - 574 111
:NA	Karnataka India
:NA	(72)Name of Inventor:
: NA	1)ACHARYA DHAVALA
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

A liquid extractor comprises: a stand with a clamp adapted to receive one end of a cloth; an axle with a first (lower) end affixed to the operative top portion of the clamp and a second (upper) end linearly vertically extending from a base portion of said stand, said axle being coupled to said clamp such that said axle can be angularly displaced about its linear axis; and a handle adapted to be located operatively vertically atop said stand and further adapted to be coupled to said axle such that angular displacement of said handle causes angular displacement of said axle.

No. of Pages: 9 No. of Claims: 4

(21) Application No.4697/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: Money Box and its Security 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)Shaik Rafi Address of Applicant: D.No. 3-24/b NTR Colony Bantumilli Mandal Krishna District India (72)Name of Inventor: 1)Shaik Rafi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Money box with a provision of collection and disbursement of money comprising the type of money detection system value of money determination system coupled with the sensing system of a robotic hand. Further the invention also comprises of an unique intrusion detection system that comprises of an alarm system and a three layer shell to improve the security of the money box.

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

(21) Application No.4698/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INFORMATION VALIDATION

(87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	<ul> <li>(51) International classification</li> <li>(31) 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 :13/315,041 :08/12/2011 :U.S.A. :NA :NA	
Filing Date :NA	<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	2)Stephanie Rupprich

# (57) Abstract:

A computer implemented method for knowledge validation includes identifying a fact for validation. A semantic model representing the fact for validation can be created. A context associated with the fact can be identified and an automaton can be created based at least in part on the identified context. The fact can be validated using the automaton.

No. of Pages: 106 No. of Claims: 20

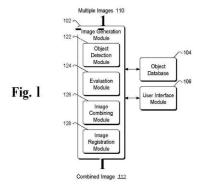
(22) Date of filing of Application :31/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: GENERATING A COMBINED IMAGE FROM MULTIPLE 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</li> </ul>	:15/09/2010 :WO 2011/139292 :NA :NA :NA	(71)Name of Applicant:  1)MICROSOFT TECHNOLOGY LICENSING, LLC Address of Applicant: LLC of One Microsoft Way, Redmond, Washington 98052 U.S.A. (72)Name of Inventor: 1)RICHARDS Eric J. 2)BISCHOFF Roger A. 3)OCONNOR Timothy R. 4)KASPERKIEWICZ Tomasz S. M.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A determination is made for each of multiple regions in multiple images of how good that region is perceived as being. A base image is identified and a combined image is generated from the multiple images by automatically replacing each region of the base image with a corresponding region of another image if the corresponding region has been determined as being better than the region of the base image. The generating of the combined image can include automatically selecting from one of the multiple images a region in which an object that is present in one or more corresponding regions of other images is absent. Additionally for a particular region of the base image corresponding regions of the other images can be displayed and the particular region replaced with a user selected one of the corresponding regions of the other images.



No. of Pages: 35 No. of Claims: 15

(22) Date of filing of Application :31/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: OVERLAY HUMAN INTERACTIVE PROOF SYSTEM AND TECHNIQUES

(51) International classification :G06F21/22,G06F9/44,H04L9/32 (71)Name of Applicant :

(31) Priority Document No :12/780013 (32) Priority Date :14/05/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/035794

No :09/05/2011 Filing Date

(87) International Publication :WO 2011/143135

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MICROSOFT TECHNOLOGY LICENSING, LLC

Address of Applicant :One Microsoft Way, Redmond,

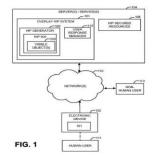
Washington 98052 U.S.A. (72) Name of Inventor:

1)LI Weisheng

2)ZHU Bin 3)XU Ning 4)LIU Jia

#### (57) Abstract:

Overlay human interactive proof system (OHIPS) and techniques described herein operate in conjunction with any known or later developed computer based applications or services to provide secure access to resources by reliably differentiating between human and non human users. Humans have generally superior ability to differentiate misaligned characters or objects from correctly aligned ones. As such the OHIP splits an image including one or more visual objects into two or more partial images to form a HIP. Partial images may also be further split into groups of sub partial images and/or partial images (or the sub partial images) may be moved so that at any given alignment position a user can recognize only some visual objects. A user is instructed to reassemble the partial images at one or more predetermined alignment positions using a GUI and the user is asked to identify information regarding one or more visible objects.



No. of Pages: 24 No. of Claims: 13

(22) Date of filing of Application :31/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: MULTI THREADED ADJUSTMENT OF COLUMN WIDTHS OR ROW HEIGHTS

(51) International classification :G06F9/44,G06F9/46,G06F17/24 (71) Name of Applicant :

(31) Priority Document No :12/774035 (32) Priority Date :05/05/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/032806

No :16/04/2011 Filing Date

(87) International Publication No:WO 2011/139528

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MICROSOFT TECHNOLOGY LICENSING, LLC

Address of Applicant :One Microsoft Way, Redmond,

Washington 98052 U.S.A.

(72) Name of Inventor:

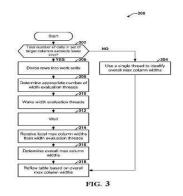
1)HOKE Thomas

2)ROTHSCHILLER Chad B.

3)WU Su Piao

## (57) Abstract:

A computing system performs a column adjustment process. The column adjustment process uses multiple threads to determine overall maximum column widths for each column in a set of target columns in a spreadsheet table. For each of the target columns the overall maximum column width for the target column is based on the width of the widest textual representation of a value in any cell in the column. The set of target columns includes at least one column. The computing system then reflows the spreadsheet table such that each column in the set of target columns has a width based on the overall maximum column width for the column. A similar process is performed to adjust the height of rows.



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

(22) Date of filing of Application :01/11/2012

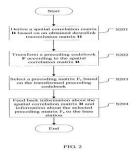
(43) Publication Date: 29/04/2016

## (54) Title of the invention: METHOD AND APPARATUS FOR INFORMATION FEEDBACK AND PRECODING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>		(71)Name of Applicant:  1)ALCATEL LUCENT Address of Applicant: 3 avenue Octave Greard, F-75007 Paris France (72)Name of Inventor: 1)CHEN Jinhui 2)YANG Hongwei 3)LV Di 4)SONG Yang
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#### (57) Abstract:

R sR sA method and apparatus for information feedback and pre coding are provided in the present invention. The method of processing the communication data in the user device of the wireless communication system includes the following steps: deducing the space correlation matrix R of the transmission antenna in the base station based on the obtained downlink channel transmission matrix H; transforming the pre coding codebook F according to the space correlation matrix R; selecting the pre coding matrix Fs based on the transformed pre coding codebook; and feeding back the information related to the space correlation matrix R and the information related to the selected pre coding matrix Fs to the base station. The method of data pre coding in the base station of the wireless communication system includes the following steps: obtaining the information related to the space correlation matrix R of the transmission antenna in the base station and the information related to the selected pre coding matrix Fs from the user device; determining the expected pre coding matrix F based on the obtained information and the pre coding codebook; pre coding the downlink data prepared for transmitting to the user device utilizing the expected pre coding matrix F.



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

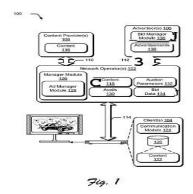
(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/04/2016

# (54) Title of the invention: AUCTIONING SEGMENTED AVAILS

(51) International classification	:G06Q30/00	(71)Name of Applicant:
(31) Priority Document No	:12/790157	1)MICROSOFT TECHNOLOGY LICENSING, LLC
(32) Priority Date	:28/05/2010	Address of Applicant :One Microsoft Way, Redmond,
(33) Name of priority country	:U.S.A.	Washington 98052 U.S.A.
(86) International Application No	:PCT/US2011/037824	(72)Name of Inventor:
Filing Date	:25/05/2011	1)GILBANE Stephen D.
(87) International Publication No	:WO 2011/149997	2)DAVENPORT Jason C.
(61) Patent of Addition to Application	:NA	3)SCHWARTZ James P.
Number	:NA	4)LUTZ Lisa L.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various embodiments enable auctioning of segmented advertisement insertion opportunities e.g. segmented avails associated with distributed content. In at least some embodiments bids from advertisers to place advertisements in conjunction with a segmented avail are obtained. The bids that are obtained can have different durations (e.g. 60 30 15 seconds) that can be selectively enabled by a segmented avail in various combinations to fill a total duration of the segmented avail. Ranking criteria and/or logic can be applied to rank the bids one to another. In at least some embodiments the bids are ranked within groups corresponding to different time durations. Bids can be allocated to the segmented avail by testing one or more combinations of the bids and selecting a winning combination based at least in part upon a sum of the ranks associated with bids in the combination.



No. of Pages: 34 No. of Claims: 15

(21) Application No.4524/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LOCATION DEVIC

(51) International classification	:H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SRIRAM KANNAN
(32) Priority Date	:NA	Address of Applicant :GM-04 Keerthi Royale No. 3 Outer
(33) Name of priority country	:NA	Ring Road Banaswadi Bangalore - 560043 Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRIRAM KANNAN
(87) International Publication 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 provides a stand-alone location device that comprises an electronics circuitry configured to transmit a cellular tower transition data for determining the location of the device; a subscriber identity module to provide a unique identity for the location device; and a power source to provide power to the electronics circuitry and the subscriber identity module.

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

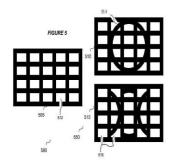
(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MASK BASED CHALLENGE RESPONSE 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:G06F21/20 :10167536.1 :28/06/2010 :EPO :PCT/EP2011/060600 :24/06/2011 :WO 2012/000897 :NA :NA	(71)Name of Applicant:  1)INTERNATIONAL BUSINESS MACHINES CORPORATION  Address of Applicant: New Orchard Road Armonk New York 10504 U.S.A. (72)Name of Inventor:  1)PIECZUL Olgierd Stanislaw 2)KRUGER Stephen Paul
11		
Filing Date	:NA	

#### (57) Abstract:

A method apparatus and computer program for providing a challenge response test associated with a computer resource the method comprising the step of: generating a challenge response test image comprising the steps of: providing a first substantially well formed image comprising a first masked image having a visible portion entirely composed of portions of a first well formed image and a first plurality of image elements; and providing at least one ill formed image each at least one ill formed image comprising a second masked image comprising at least one first ill formed portion.



No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: PLANT EXTRACTS COMPOSITIONS CONTAINING SAME AND USES THEREOF

:A61K8/97,A61K36/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DEO Namita :12/729718 (32) Priority Date Address of Applicant :211 Warren Street Suite 5B Newark NJ :23/03/2010 (33) Name of priority country :U.S.A. 07103 U.S.A. (86) International Application No :PCT/US2011/029403 (72) Name of Inventor: Filing Date :22/03/2011 1)DEO Namita (87) International Publication No :WO 2011/119592 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

This disclosure relates to plant extracts and compositions containing plant extracts selected from Bacopa plant extracts Centella plant extracts Jatropha plant extracts Aegle plant extracts Terminalia plant extracts Phyllanthus plant extracts Spilanthes plant extracts and mixtures thereof; and to the use of these compositions in a variety of applications including for example cosmetic and/or pharmaceutical preparations therapeutic preparations and personal care preparations. A preferred Bacopa plant extract is obtained from Bacopa monniera a preferred Centella plant extract is obtained from Centella asiatica a preferred Jatropha plant extract is obtained from Jatropha curcas a preferred Aegle plant extract is obtained from Aegle marmelos a preferred Terminalia plant extract is obtained from Terminalia chebula or Terminalia bellerica a preferred Phyllanthus plant extract is obtained from Phyllanthus emblica (Emblica officinalis) and a preferred Spilanthes plant extract is obtained from Spilanthes acmella (Acmella oleracea).

No. of Pages: 87 No. of Claims: 33

(21) Application No.9121/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: DEVICE FOR INJECTING GAS INTO A METALLURGICAL VESSEL

<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>	:C21C5/46,F27D3/16,F23D14/00 :10 2010 013 769.3 :31/03/2010 :Germany	(71)Name of Applicant:  1)SMS GROUP GMBH.  Address of Applicant: Eduard Schloemann Strae 4 40237  D1/4sseldorf Germany
<ul><li>(86) International Application</li><li>No</li><li>Filing Date</li><li>(87) International Publication</li></ul>	:PCT/EP2011/054759 :28/03/2011 :WO 2011/120937 A3	(72)Name of Inventor: 1)ODENTHAL Hans J ¹ / ₄ rgen 2)SCHLTER Jochen 3)OLIVIER Herbert
No (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 device for injecting gas into a metallurgical vessel, comprising a blowing head (5) having a feed line (5b) for delivering gas, in particular oxygen, to the blowing head (5), and at least one Laval nozzle (1) disposed on the blowing head (5), said nozzle having an inlet section (2) which conveys the gas and an outlet section (3), wherein the gas is delivered to the inlet section (2) via the feed line (5b) and leaves the outlet section (3) at supersonic speed, wherein the Laval nozzle (1) comprises at least one first nozzle part (2,3) and a second nozzle part (7), wherein the nozzle parts (2,3,7) are adjustable relative to one another by changing the geometry of the Laval nozzle (1).

No. of Pages: 33 No. of Claims: 11

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ETHYLENE- $\alpha$ -OLEFIN COPOLYMER FOR PRODUCING FOAM, RESIN COMPOSITION FOR PRODUCING FOAM, AND METHOD FOR PRODUCING FOAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C08F :2010096731 :20/04/2010 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO CHEMICAL COMPANY LIMITED Address of Applicant: 27 1 Shinkawa 2 chome Chuo ku Tokyo 1048260 Japan (72)Name of Inventor:  1)MANAMI Toshihiko 2)NOZUE Yoshinobu
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

3GPCSCBGPCGPC0.725SCB1.725Disclosed is an ethlyene/a olefin copolymer which is for foam production and has a monomer unit based on ethylene and a monomer unit based on an a olefin having a carbon number of 3 20 wherein the melt flow rate is 0.1 100 g/10 minutes the density is 850 940 kg/m the molecular weight distribution is 2 12 the swelling ratio is at least 1.61 and g defined in the belowmentioned formula (I) is 0.50 0.78. g = [] / ([] - g)...(I) [In the formula [] represents the limiting viscosity (units: dl/g) of the ethlyene/a olefin copolymer and is defined by the belowmentioned formula (I I). [] is defined by the belowmentioned formula (I II). [] = 23.3 — log (rel)...(I I) (In the formula rel represents the relative viscosity of the ethlyene/a olefin copolymer.) [] = 0.00046 — Mv...(I II) (In the formula Mv represents the viscosity average molecular weight of the ethlyene/a olefin copolymer.) g = (I - A)...(I III) (In the formula A is determined from the amount of short chain branching of the ethlyene/a olefin copolymer.)]

No. of Pages: 106 No. of Claims: 6

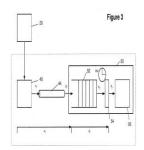
(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYNCHRONIZED RETAIL VIDEO DISTRIBUTION

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:11009014.9	1)Accenture Global Services Limited
(32) Priority Date	:14/11/2011	Address of Applicant :3 Grand Canal Plaza Grand Canal
(33) Name of priority country	:EUROPEAN	Street Upper Dublin 4 IRELAND Ireland
	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)Mc Caffer Andrew
Filing Date	:NA	2)Hatch Stephen
(87) International Publication No	: NA	3)Delaney Paul
(61) Patent of Addition to Application Number	:NA	4)Lemire Chris
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one aspect the present application is directed to a computer-implemented method a computer system and a computer program product for synchronizing output of media data across a plurality of devices. The computer-implemented method for synchronizing output of media data across a plurality of output devices may comprise: providing a communication network between a media server and a plurality of different output devices; and synchronously outputting media data files on the plurality of different output devices wherein the media data files are transmitted to the output devices from the media server in form of a data stream over different delivery networks. [Figure 3]



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

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

## (54) Title of the invention: STEREOSELECTIVE SYNTHESIS OF PHOSPHORUS CONTAINING ACTIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07H19/10 :61/319548 :31/03/2010 :U.S.A. :PCT/US2011/030762 :31/03/2011 :WO 2011/123668 :NA :NA	(71)Name of Applicant:  1)GILEAD PHARMASSET LLC  Address of Applicant:c/o Gilead Sciences Inc. 333 Lakeside Drive Foster City CA 94404 U.S.A. (72)Name of Inventor:  1)ROSS Bruce S.  2)SOFIA Michael Joseph 3)PAMULAPATI Ganapati Reddy 4)RACHAKONDA Suguna 5)ZHANG Hai Ren
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#### (57) Abstract:

2323 mDisclosed herein are phosphorus containing actives their use as actives for treating diseases and a stereoselective process for preparing the same. Also disclosed herein are useful synthetic intermediates and processes for preparing the same. A process for preparing a composition comprising an enantiomerically or a diastereomerically enriched phosphorus containing active salt or pharmaceutically acceptable salt thereof of formula I is disclosed: 1 which comprises a) reacting a protected or unprotected Active with a base to form a salt of said active and then reacting said salt with an enantiomerically or a diastereomerically enriched compound of formula II wherein Group is as defined herein W is an aryl or CCH)nSC(O)C(CH)m(CHOH) where n is 2 or 3 and m is 0 1 2 or 3 and LG is a leaving group; b) optionally deprotecting the compound obtained in step a) and c) optionally subjecting the compound obtained in step a) or the compound obtained in step b) to chromatography extraction or crystallization to obtain the active.

No. of Pages: 143 No. of Claims: 49

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

## (54) Title of the invention: LAMINATED FOAMS WITH MATING PEAKS AND GROOVES

(51) International classification: B32B5/18,B32B3/30,B29C44/56 (71) Name of Applicant:

(31) Priority Document No :61/328685 (32) Priority Date :28/04/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/033139

No :20/04/2011 Filing Date

(87) International Publication :WO 2011/136990

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

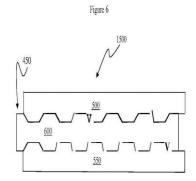
U.S.A.

(72) Name of Inventor:

1)GORDON DUFFY John 2)BORGWARDT Anett

## (57) Abstract:

A laminated foam article contains at least two foam boards having mating peak and groove surface profiles where surface skin remains on at least a portion of the profiles and wherein the foam boards are laminated to one another in a mating orientation with the peaks of one foam surface within the grooves of the adjoining foam surface with an adhesive between the mating surfaces of the foams and wherein the laminated foam article has a thickness that exceeds 200 millimeters.



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

(22) Date of filing of Application :26/10/2012

(43) Publication Date: 29/04/2016

# (54) Title of the invention : METHOD FOR THE PRODUCTION OF FUNCTIONALIZED ELASTOMERIC MANUFACTURED ARTICLES AND MANUFACTURED ARTICLES THUS OBTAINED

(51) International classification	:C23C14/22,C23C30/00	(71)Name of Applicant :
(31) Priority Document No	:MI2010A000532	1)WISE S.R.L.
(32) Priority Date	:30/03/2010	Address of Applicant :Piazza Eleonora Duse 2 I 20122 Milano
(33) Name of priority country	:Italy	Italy
(86) International Application No	:PCT/EP2011/054903	2)MONTORFANO Maria
Filing Date	:30/03/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/121017	1)RAVAGNAN Luca
(61) Patent of Addition to Application	:NA	2)GHISLERI Cristian
Number	:NA	3)MILANI Paolo
Filing Date	.NA	4)MARELLI Mattia
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method is described for the production of a manufactured article (20) constituted of an elastomeric polymer substrate in selected zones of which there are deposits of particles of nanometric size of a metal or some other compound which create a region (24) of the polymeric element having desired electrical biocompatibility and/or dielectric properties and such that said properties are maintained even after numerous elastic deformations of the manufactured article; the invention also relates to functionalized elastomeric manufactured articles obtained by means of said method.

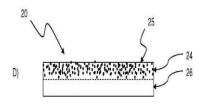


Fig. 2

No. of Pages: 61 No. of Claims: 23

(22) Date of filing of Application :01/11/2012

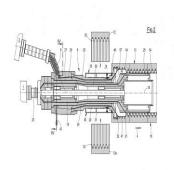
(43) Publication Date: 29/04/2016

# (54) Title of the invention : APPARATUS FOR THE CONTINUOUS PRODUCTION OF A TWIN WALL PIPE WITH AN INTEGRAL SOCKET

(51) International classification	:B29C	(71)Name of Applicant:
(31) Priority Document No	:11 187 934.2	1)DR. HEGLER, RALPH, PETER Address of Applicant :SCHILLERSTRASSE 7, D-97688
(32) Priority Date	:04/11/2011	BAD KISSINGEN Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. HEGLER, RALPH, PETER
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An apparatus for the continuous production of a twin wall pipe has mold block halves (12, 12a) supplied in pairs to form a mould, and a pipe head (8), which has an external nozzle (22) for the extrusion of an external hose (35) and an internal nozzle (21) for the extrusion of an internal hose (37). A support air and venting channel (24) which is annular-cylindrical and con¬centric with respect to the centre longitudinal axis (18) of the pipe head (8) opens out between the external nozzle (22) and internal nozzle (21). - Fig. 2 -



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

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ANALYZING AND REPRESENTING INTERPERSONAL RELATIONS

(51) International classification :G06F (31) Priority Document No :13/331,703 (32) Priority Date :20/12/2011 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA	,
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

A computer-implemented method for analyzing and representing interpersonal relations includes: receiving in a computer system a user input requesting a representation of interpersonal relations regarding a person; executing based on the user input and in a relational database a relational-database query that selects relations involving the person and that selects other persons involved in any of the selected relations wherein the relational-database query is performed for each of the selected other persons until a maximum number of steps; and providing the representation of interpersonal relations in response to the user input the representation indicating at least persons selected by the relational-database query.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR MERGING SOURCE RECORDS IN ACCORDANCE WITH SURVIVORSHIP RULES

(31) Priority Document No (32) Priority Date (33) Name of priority country (34) International Application No (35) International Publication No (36) International Publication No (37) International Publication No (38) International Publication No (39) International Publication No (30) Patent of Addition to Application Number (30) Filing Date (31) Priority Document No (31) YSAP SE (32) Address of Applicant : Dietmar-Hopp-Allee 16 D-69190 WALLDORF Germany Germany (72) Name of Inventor:  1) Uri Haham 2) Gary Machol 3) Guy Rozenwald  3) Guy Rozenwald  3) Guy Rozenwald	<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>	:U.S.A. :NA :NA : NA :NA :NA :NA	Address of Applicant :Dietmar-Hopp-Allee 16 D-69190 WALLDORF Germany Germany (72)Name of Inventor : 1)Uri Haham 2)Gary Machol
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#### (57) Abstract:

According to some embodiments, a plurality of source records may be received from a plurality of data sources, with each source record including a plurality of fields. It may be determined that a match group of source records from different data sources relate to the same entity, and a single best record may be automatically created for the match group based on field values from different source records in the match group. The creating may includes, for example, assigning a first set of fields to a first survivorship group associated with a first survivorship rule and a second set of fields to a second survivorship group associated with a second survivorship rule. All records in the match group may then be simultaneously ranked in accordance with the first and second survivorship rules using a single query. The best record could then be stored for subsequent use by other applications.

No. of Pages: 33 No. of Claims: 24

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: STANDALONE DATA ENTRY FOR BACKEND 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>	:G06F :13/328,892 :16/12/2011 :U.S.A.	
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIHAR Sathish Babu Krishna
(87) International Publication No	: NA	2)PAVITHRAN Dinu
(61) Patent of Addition to Application Number	:NA	3)BIRKENHAUER Christoph
Filing Date	:NA	4)SATTLER Juergen
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer-implemented system may include reception of a user interface package at a client device the user interface package including layout information and a data model the layout information conforming to a user interface model of a backend service provider and the data model conforming to a business object model of the backend service provider. The layout is rendered at the client device based on the user interface model data input to the rendered layout at the client device is received the data is stored at the client device in conformance with the business object model and the data is transmitted from the client device to the backend service provider.

No. of Pages: 33 No. of Claims: 18

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: RULE-BASED DETERMINATION AND VALIDATION IN BUSINESS OBJECT PROCESSING

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:13/335,430	1)SAP SE
(32) Priority Date	:22/12/2011	Address of Applicant :Dietmar-Hopp-Allee 16 D-69190
(33) Name of priority country	:U.S.A.	WALLDORF Germany Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Frank Brunswig
(87) International Publication No	: NA	2)Vijay G.
(61) Patent of Addition to Application Number	:NA	3)Preeta K.
Filing Date	:NA	4)Rakesh Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method to model a business object is disclosed. An analysis module analyzes elements of a business object. A modeling module models business object logic based on the elements of the business object. An implementation module implements the modeled business object logic. A repository stores the modeled business object logic. A business object runtime module executes the modeled business object logic.

No. of Pages: 45 No. of Claims: 20

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A SYSTEM AND METHOD OF COMPUTING ROTATION ANGLE AND TILT ANGLE BY EMPLOYING AN OPTO-MECHANICAL TECHNIQUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS COMPANY Address of Applicant: 416 MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 422-742 Republic of Korea (72)Name of Inventor: 1)SUBRAMANIAN MUTHUKUMAR 2)PRASANTH JAYACHANDRAN
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#### (57) Abstract:

A method and system for computing rotation and tilt angles, by employing an opto-mechanical technique, on a display device is provided. The method includes determining a state change for a pair of light sensors, of a plurality of light sensors, wherein the state change occurs due to obstruction of light, from a corresponding pair of light sources, of a plurality of light sources, by a metal ball, determining the rotation angle and the tilt angle, of the metal ball with a base, based on the state change of the pair of light sensors, and controlling an entity, on the display device, based on the rotation angle and the tilt angle. The system includes a communication interface for establishing communication, a memory that stores instructions and a processor responsive to the instructions for computing a rotation angle and a tilt angle for positioning an image on a display device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4723/CHE/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/04/2016

# (54) Title of the invention: A METHOD AND SYSTEM FOR PROVIDING AUGMENTED REALITY BASED 3D GAMING APPLICATIONS USING CLOUD COMPUTING FOR VISUAL DISPLAY DEVICES

(51) International classification	:G07F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG ELECTRONICS COMPANY
(32) Priority Date	:NA	Address of Applicant :416 MAETAN-DONG,
(33) Name of priority country	:NA	YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 442-742
(86) International Application No	:NA	Republic of Korea
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BRHMADESAM SATEESH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for providing augmented reality based 3D gaming applications using cloud computing for visual display devices is provided. The method includes enabling a user of a visual display device to select a game from a list of games, displaying one or more gaming characters associated with the game along with an option to replace one of the one or more gaming characters with an image model of the user, enabling one or more images of the user to be captured based on a selected gaming character, processing the one or more images to obtain the image model, replacing the selected gaming character with the image model of the user, and enabling the user to play the game with the image model. The system includes a visual display device, a communication interface in electronic communication with the visual display device, a memory that stores instructions, and a processor.

No. of Pages: 31 No. of Claims: 10

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR GENERATING LOCATION BASED TRIGGER

	0010	
(51) International classification	:G01S	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SRIRAM KANNAN
(32) Priority Date	:NA	Address of Applicant :GM-04 Keerthi Royale No. 3 Outer
(33) Name of priority country	:NA	Ring Road Banaswadi Bangalore - 560043 Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRIRAM KANNAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[0047] The invention relates to a method for generating location based trigger that involves identifying the location of a particular device and then based on the location setting off one or more trigger responses. In one embodiment the device being located is a location tracking device such as GPS while in another embodiment the device is a mobile communication device. The trigger is arrived at based on at least one rule wherein the at least one rule resides in a location intelligence interface. The invention also provides a tool and a software program product that uses the method of the invention as described herein. Further the invention provides a system that is based on the method and tool of the invention.

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

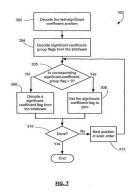
(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MULTI-LEVEL SIGNIFICANCE MAP SCANNING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H04N :61/561,872 :19/11/2011 :U.S.A. :NA :NA	Address of Applicant :295 Phillip Street Waterloo Ontario N2L 3W8 Canada Canada (72)Name of Inventor :  1)HE Dake
(87) International Publication No	: NA	2)NGUYEN Nguyen
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)JI Tianying
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods of encoding and decoding for video data are described in which multi-level significance maps are used in the encoding and decoding processes. The significant-coefficient flags that form the significance map are grouped into contiguous groups and a significant-coefficient-group flag signifies for each group whether that group contains no non-zero significant-coefficient flags. A multi-level scan order may be used in which significant-coefficient flags are scanned group-by-group. The group scan order specifies the order in which the groups are processed and the scan order specifies the order in which individual significant-coefficient flags within the group are processed. The bitstream may interleave the significant-coefficient-group flags and their corresponding significant-coefficient flags if any.



No. of Pages: 62 No. of Claims: 19

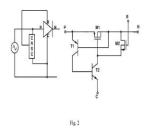
(22) Date of filing of Application :06/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: LOW DROP DIODE EQUIVALENT 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>	:H01L :NA :NA :NA :NA	(71)Name of Applicant: 1)INDIAN INSTITUTE OF SCIENCE Address of Applicant:Bangalore 560012 Karnataka India. Gujarat India 2)DEPARTMENT OF ELECTRONICS AND INFORMATION TECHNOLOGY
<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)Bharadwaj Amrutur 2)Laxmi Karthikeyan

#### (57) Abstract:

Embodiments of the disclosure relate to a low drop diode equivalent circuit. Piezoelectric device based vibration energy harvesting requires a rectifier for conversion of input ac to usable dc form. Power loss due to diode drop in rectifier is a significant fraction of the already low levels of harvested power. The low-drop-diode equivalent can replace the rectifier diodes and minimise power loss. The diode equivalent mimics a diode using linear region operated MOSFET. The diode equivalent is powered directly from input signal and requires no additional power supply for its control. Power used by the control circuit is kept at a value which gives an overall output power improvement. The diode equivalent replaces the four diodes in a full wave bridge rectifier which is the basic full-wave rectifier and is a part of the more advanced rectifiers like switch-only and bias-flip rectifiers.



No. of Pages: 37 No. of Claims: 19

(21) Application No.4640/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BI-POLAR ORGANIC SEMICONDUCTORS FOR THERMOELECTRIC POWER GENERATION

(51) International classification	:C09K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)EMPIRE TECHNOLOGY DEVELOPMENT LLC
(32) Priority Date	:NA	Address of Applicant :2711 Centerville Road Suite 400
(33) Name of priority country	:NA	Wilmington DE 19808 United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Arockiadoss THEVASAHAYAM
(87) International Publication 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 bi-polar semiconductor composite comprising at least one organic p-type semiconductor; and at least one organic n-type semiconductor and methods of making and using them. In particular collagen based semiconductors may be used. The composite may be used to generate electricity from heat loss via industrial processes such as heat lost via pipes heat sinks etc.

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

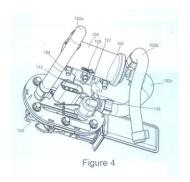
(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: FUEL FILTER MOUNTING 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> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES, 29, (OLD NO. 8), HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)RAMESH VAIDHEESWARAN 2)MEGHASHYAM DIGHOLE
Filing Date	:NA	3)RANGARAJAN BABU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided description discloses a mounting arrangement for a fuel filter with the fuel tank. Said fuel filter is mounted below side of bottom cover of fuel tank such that fuel filter is visible from outside and easily accessible to servicing without removing fuel tank. The fuel filter is mounted below the fuel pump module by means of a bracket having multiple mounting points e.g. screw mounting and insert/push mounting. Said fuel filter can be mounted directly to the left or right bottom of the bottom cover through mentioned bracket. Mentioned bracket is made up of horizontal portion fixed with the fuel pump module or directly to tank bottom cover and a vertical portion fixed with the fuel filter. Vertical and horizontal portions are divaricated at a predefined angle and integrally connected at one end. As this arrangement is secured outside the fuel tank thus a cover for safety of the fuel filter and the fuel flow passages is secured on outer side of claimed mounting arrangement through mentioned bracket. Figure 4



No. of Pages: 15 No. of Claims: 9

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR A PUBLIC DISCUSSION BOARD APPARATUS LINKED WITH AN INTERNET BASED SOCIAL NETWORKING INTERFACE

(51) Intermedianal alassification	.000	(71) Name of Applicant
(51) International classification	_	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Sourav Karmakar
(32) Priority Date	:NA	Address of Applicant :Flat no. 113 #233 Paradigm Heights
(33) Name of priority country	:NA	38th Main 1st cross BTM 2nd Stage Bangalore 560068
(86) International Application No	:NA	Karnataka INDIA India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sourav Karmakar
(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 that provides a discussion board/surface to enable social interaction/networking which in turn has a possibility to link to an networked computing and storage medium and related sub-system therewith which allows to store and retrieve the image data record of the above mentioned social interacting/networking. In its most generic embodiment the presently disclosed invention consists of rolling magnetic screen with a writable and erasable surface the contents/markings on which are captured on a camera system and turned into digital data and presented to same/different users as data on the internet via a computation system. The motivation behind designing the system is to enable much better forms of human expression during co-interaction in internet based social networking methods.

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

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR PRODUCING GRANULATED CARBAMIDE

		(71)Name of Applicant : 1)OTKRYTOE AKTSIONERNOE OBSCHESTVO
		RESEARCH & DESIGN INSTITUTE OF UREA AND
(51) International classification	:C05C	ORGANIC SYNTHESIS PRODUCTS (OAO NIIK)
(31) Priority Document No	:2010124709	Address of Applicant :Griboedov Street 31 Dzerzhinsk
(32) Priority Date	:16/06/2010	Nizhny Novgorod Region 606008 Russia Russia
(33) Name of priority country	:Russia	(72)Name of Inventor:
(86) International Application No	:NA	1)SOLDATOV Aleksei Vladimirovich
Filing Date	:NA	2)SERGEEV Yury Andreevich
(87) International Publication No	: NA	3)CHEBLAKOV Nikolai Valentinovich
(61) Patent of Addition to Application Number	:NA	4)ANTIPOV Stanislav Aleksandrovich
Filing Date	:NA	5)ERMOLAEV Dmitry Alekseevich
(62) Divisional to Application Number	:NA	6)KOTOVA Natalya Nikolaevna
Filing Date	:NA	7)PROKOPYEV Aleksandr Alekseevich
		8)KOSTIN Oleg Nikolaevich
		9)KUZNETSOV Nikolai Mikhailovich
		10)ESIN Igor Veniaminovich

### (57) Abstract:

The invention relates to methods for producing urea-based fertilizers on the basis of urea and more specifically to methods for producing fertilizers containing urea and elemental sulfur. Sulfur-coated granulated urea is produced by introducing urea granules at a temperature of 20-60° into a drum which has blades mounted on the inside surface thereof and rotates at a speed equal to 81-99 % of the critical speed of rotation of the drum and by spraying a sulfur melt onto the surface of the urea granules. The melt is sprayed in the direction of the axis of rotation of the drum. The method provides for the even coating of the granules with sulfur.

No. of Pages: 11 No. of Claims: 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4544/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A METHOD APPARATUS AND COMPUTER PROGRAM FOR ENABLING A USER INPUT COMMAND TO BE PERFORMED

<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>	:G06F :NA :NA :NA	(71)Name of Applicant:  1)NOKIA TECHNOLOGIES OY  Address of Applicant: Karaportti 3, FI-02610 Espoo, Finland. Finland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Pranav MISHRA
(87) International Publication No	: NA	2)Rajeswari KANNAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method comprising: in response to a detected gesture user input wherein the gesture user input is ambiguous as to which one of a plurality of putative targets the gesture user input is directed disambiguating the plurality of putative targets using disambiguating data to enable selection of one of the plurality of targets; and performing in response to the gesture user input a user input command associated with the selected target.

No. of Pages: 61 No. of Claims: 66

(21) Application No.4641/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ORGANIC PHOSPHORESCENT MATERIALS AND METHODS FOR THEIR PREPARATION AND USE

(51) International classification	:C09K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)EMPIRE TECHNOLOGY DEVELOPMENT LLC
(32) Priority Date	:NA	Address of Applicant :2711 Centerville Road Suite 400
(33) Name of priority country	:NA	Wilmington DE 19808 United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Arockiadoss THEVASAHAYAM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods of forming an organic phosphorescent material are provided. The methods include dissolving a cellulosic material in a solvent to form a cellulosic mixture and filtering the cellulosic mixture. The methods also include heating the cellulosic mixture to form an organic phosphorescent material that includes a plurality of aliphatic compounds.

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

(22) Date of filing of Application :06/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: A METHOD OF EXTENDING AIRCRAFT UNDERCARRIAGES IN EMERGENCY MODE

(31) Priority Document No:1(32) Priority Date:0(33) Name of priority country:F(86) International Application No:NFiling Date:N(87) International Publication No:1(61) Patent of Addition to Application Number:NFiling Date:N(62) Divisional to Application Number:N	:B64C :11 60214 :09/11/2011 :France :NA	LIZY
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#### (57) Abstract:

The invention relates to a method of actuating undercarriage latching boxes (106, 206, 306) and associated hatch latching boxes (109, 209, 309) of an aircraft in an emergency mode, the latching boxes having at least one feed port and at least one unlatching member that is operable when the port is fed with fluid under pressure, the aircraft also being provided with a hydraulic braking circuit (B1). According to the invention, the method includes connecting at least one tapping circuit (500) to the braking circuit of the aircraft in association with an isolation valve (400; 501) that is kept, in a normal mode, in an isolation state and that can be controlled to be placed in an open state in which at least some of the feed ports of the latching boxes are fed by the tapping circuit connected to the braking circuit.

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

(22) Date of filing of Application :26/10/2012

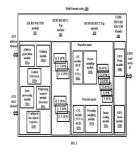
(43) Publication Date: 29/04/2016

# (54) Title of the invention : A METHOD AND SYSTEM FOR FULLY PROGRAMMABLE MULTI FORMAT STILL IMAGE CONTROLLERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04N :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 Doddanekundi Circle Marathahalli Post Bangalore-560037 Karnataka India (72)Name of Inventor:  1)Jagonda Balagonda Patil 2)Nitin Jaiswal 3)Ajjagottu Sagar Chaitanya Reddy 4)Rahul Azad 5)Srividhya Mahesh 6)Sheik Tara Begum 7)Krishanu Banerjee 8)Amit Tewari 9)Subramanian Parameswaran 10)Vaibhav Manoharrao Raikwar 11)Srinivas Raghuram Gorur
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#### (57) Abstract:

A method and system for universal image frame multi format conversion using multi format codec architecture is disclosed. The method disclosed herein provides a hardware implementation for image frame format conversion. The hardware architecture disclosed herein supports all major frame format conversions. In encoder mode the multi format codec reads the pixels from a specific location of external memory according to the external format indicated transforms the pixels into the specified internal image format needed by the JPEG core and sends them as minimum coded unit (MCU) comprising of 8x8 blocks of Y U and V components to JPEG core. In the decoder mode of operation the multi format codec performs the inverse function which is reading the pixels from JPEG core as 8x8 MCU blocks in the specified internal format transforming them to the external image format and writing the pixels into the specified external memory location. FIG. 1



No. of Pages: 32 No. of Claims: 16

(22) Date of filing of Application :01/11/2012

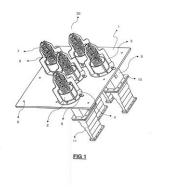
(43) Publication Date: 29/04/2016

# (54) Title of the invention : HIGH POWER-COMPATIBLE, PASSIVE INTERMODULATION-FREE FOCAL PLACE HELIX FEED ARRAY ANTENNA

		(71)Name of Applicant:
		1)INDIAN SPACE RESEARCH ORGANISATION Address of Applicant :ISRO HEADQUARTERS,
(51) International classification	:H01O	DEPARTMENT OF SPACE, ANTARIKSH BHAVAN, NEW
(31) Priority Document No	:NA	BEL ROAD BANGALORE 560 094 Karnataka India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)RAJEEV JYOTI
(86) International Application No	:NA	2)K.K. SOOD
Filing Date	:NA	3)SRAVAN.K. SAGI
(87) International Publication No	: NA	4)JIGAR PANDYA
(61) Patent of Addition to Application Number	:NA	5)JIDESH.S.NAIR
Filing Date	:NA	6)Y.H. TRUVEDU
(62) Divisional to Application Number	:NA	7)B.N.PANDYA
Filing Date	:NA	8)AMIT AGARWAL
-		9)ASHVIN.S.PATEL
		10)A.RAJARAJAN
		11)D. SHANMUGANATHAN

#### (57) Abstract:

A Helical Antenna fed by waveguide capable of handling high power in geostationary space environment and passive intermodulation-free design has been realized. The helix conductor is formed integrally with a waveguide ridge transformer machined as a single piece. The waveguide ridge transformer is connected to a base plate providing thermal connectivity whereby heat is conducted to spacecraft ground. An asymmetric array of these helical elements at predefined locations in the focal plane of an offset reflector antenna generates multiple spot beams as per the required coverage scheme. Mutual coupling minimization and pattern symmetry is achieved by enclosing each helix with a metallic cylindrical cup. The helix elements are supported by multi-piece dielectric former. The helix support former is realized by taking the helix thermal dissipation into account. All the fasteners used on the ground plane for waveguide support and dielectric former support are designed to prevent material mismatch. The measured passive inter-modulation level is below -200 dBc with an input power of 250 watts per helix element.



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

(22) Date of filing of Application :02/11/2012

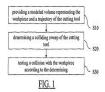
(43) Publication Date: 29/04/2016

# (54) Title of the invention: SIMULATION OF THE MACHINING OF A WORKPIECE •

(51) International classification	:B23H	(71)Name of Applicant:
(31) Priority Document No	:11 30	1)DASSAULT SYSTEMES
(31) Thomy Document No	6423.2	Address of Applicant :10 Rue Marcel Dassault 78140
(32) Priority Date	:03/11/2011	VELIZY VILLACOUBLAY FRANCE France
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)Nicolas MONTANA
Filing Date	:NA	2)Marc MONTEIL
(87) International Publication No	: NA	3)Romain NOSENZO
(61) Patent of Addition to Application Number	:NA	4)Andre LIEUTIER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

It is provided a computer-implemented method for simulating the machining of a workpiece with a cutting tool having a cutting part and a non-cutting part. The method comprises providing (S10) a modeled volume representing the workpiece and a trajectory of the cutting tool; determining (S20) a colliding sweep of the cutting tool wherein the colliding sweep represents the volume swept by the non-cutting front of the cutting tool when the cutting tool follows the trajectory; testing (S30) a collision with the workpiece according to the determining (S20) step.s Such a method improves the simulation of the machining of a workpiece with a cutting tool. FIG. 1



No. of Pages: 29 No. of Claims: 9

(22) Date of filing of Application :31/10/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: STREAMLINED COLLABORATION ON DOCUMENT

(51) International :G06F15/16,G06F17/30,G06F17/21 classification

(31) Priority Document No :12/775614 (32) Priority Date :07/05/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/034214

:27/04/2011

Filing Date

(87) International Publication :WO 2011/139802

(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)MICROSOFT TECHNOLOGY LICENSING, LLC

Address of Applicant :One Microsoft Way, Redmond,

Washington 98052 U.S.A. (72) Name of Inventor:

1) CREVIER Daniel W.

2)MOORE Jason F.

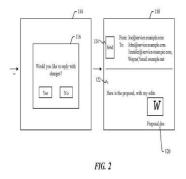
3)CITRON David

4)SHEN Jennifer I. 5)HOWELL Gareth A.

6)BOCKELMAN Jonathan A.

#### (57) Abstract:

Collaborating on documents by e mail may be streamlined into a unified process. In one example a user creates a document in an online document service and sends the document to collaborators by mailing a link to the document. The document may have permissions set so that the creator of the document and any user on the e mail distribution list can read and edit the document. When a user receives the e mail that user may open and edit the document. Upon closing the editing application the user may be presented with an appropriate interface to create a reply e mail.



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

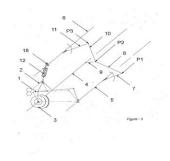
(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: AN IMPROVED TOP NIPPER DRIVE FOR TEXTILE COMBING MACHINE

(51) International classification	:D01G	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LAKSHMI MACHINE WORKS LTD.
(32) Priority Date	:NA	Address of Applicant :PERIANAICKENPALAYAM,
(33) Name of priority country	:NA	COIMBATORE 641 020 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SELVARAJ GANESHKUMAR
(87) International Publication 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 top nipper drive for a textile combing machine comprising a top nipper (2) coupled to a top nipper shaft (6) tlirough a cam (18) and a flexible link (12), a bottom nipper (1) coupled to a bottom nipper shaft (5), a circular comb (3) coupled to a comb shall (4), wherein the top nipper (2)as driven by a six bar linkage mechanism (7-8-9-10-11 -virtual). Fig. 3



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

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: EPICYCLIC GEARING

(51) International classification	:F16H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VALEO INDIA PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :BLOCK-A, 4TH FLOOR, TECCI
(33) Name of priority country	:NA	PARK, BO.173 RAJIV GANDHI SALAI,
(86) International Application No	:NA	SOZHANGANALLUR, CHENNAI 600 119 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RMMAKRISHANAN, SANTHOSH
(61) Patent of Addition to Application Number	:NA	2)CHINNAMUTHU, THANGAVELU
Filing Date	:NA	3)NEELAKANTAN, GOPINATHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention has for object an epicyclic gearing (1), in particular for a combustion motor starter, comprising: - a sun gear (3), - a first shaft (8), fastened to the sun gear (3) and rotating with said sun gear (3), - a ring gear (5), surrounding the sun gear (3), characterized in that it further comprises two planet gears (7) meshing with the sun gear (3), spaced from their neighbour by an approximately  $180^{\circ}$  rotation around the sun gear (3), and meshing with the ring gear (5).



No. of Pages: 14 No. of Claims: 12

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : ELECTRIC DRIVING DEVICE AND ELECTRIC POWER STEERING DEVICE EQUIPPED WITH 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 Filing Date (62) Divisional to Application Number Number Sulva Patent of Addition to Number Sulva Patent of Application Number Sul		<ul> <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> </ul> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li>	:11/05/2010 :Japan :PCT/JP2010/068691 :22/10/2010 :WO 2011/142050 :NA :NA	1)Mitsubishi Electric Corporation Address of Applicant: 7 3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan (72)Name of Inventor: 1)OMAE Katsuhiko 2)TOMINAGA Tsutomu	
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#### (57) Abstract:

A control device (3) for controlling an electric motor (2) is disposed on the rotor axis (30) of the electric motor (2). The control device (3) comprises semiconductor switching elements (15) constituting a three phase bridge circuit for controlling the current flowing through the electric motor (2) and capacitors (13) for suppressing the ripple component of the current flowing through the electric motor (2). The semiconductor switching elements (15) and the capacitors (13) make pairs with the respective arms of the three phase bridge circuit and are disposed in a concentric fashion. Therefore the impedance of the three phase bridge circuit for controlling the current flowing through the electric motor (2) is reduced the ripple is effectively absorbed and the power efficiency of a driving device is improved.

No. of Pages: 48 No. of Claims: 14

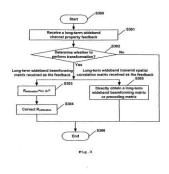
(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/04/2016

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

(51) International classification	:H04L1/06,H04L25/03	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ALCATEL LUCENT SHANGHAI BELL CO. LTD.
(32) Priority Date	:NA	Address of Applicant :No. 388 Ningqiao Road Pudong Jinqiao
(33) Name of priority country	:NA	Shanghai 201206 China
(86) International Application No	:PCT/CN2010/071593	2)ALCATEL LUCENT
Filing Date	:07/04/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/124023	1)SONG Yang
(61) Patent of Addition to Application	:NA	2)CHEN Jinhui
Number	:NA	3)YANG Hongwei
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

1evaluationevaluation11HA transformation device for transforming a fedback long term broadband channel characteristic is provided. The transformation device comprises: a first transformation unit for constructing a long term broadband beamforming matrix u fedback from a receiver as evaluation of long term broadband sending spatial correlation matrix R R wherein R =uu and H representing the conjugate transpose of matrix; and/or a second transformation unit for directly obtaining a long term broadband beamforming matrix or a precoding matrix by using a long term broadband sending spatial correlation matrix fedback from the receiver. A corresponding transformation method and an apparatus are also provided according to the technical solution.



No. of Pages: 27 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9594/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: RED TYPE LIGHT EMITTING PHOSPHOR METHOD FOR PRODUCING SAME AND LIGHT EMITTING DEVICE USING RED TYPE LIGHT EMITTING PHOSPHOR

(51) International

:C09K11/64,C09K11/59,C09K11/62 classification

(31) Priority Document No :2010095926 (32) Priority Date :19/04/2010 (33) Name of priority country: Japan

(86) International :PCT/JP2011/058597

Application No :05/04/2011 Filing Date

(87) International Publication :WO /2011/132526

(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)SHARP KABUSHIKI KAISHA

Address of Applicant: 22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72) Name of Inventor: 1)HARADA Masamichi 2) UEMURA Toyonori 3)FUKUNAGA Hiroshi

4)MATSUSHITA Hitoshi 5)TERASHIMA Kenji

### (57) Abstract:

ABSTRACT The present invention relates to a divalent europium-activated nitride red light emitting phosphor substantially represented by a general formula: (MI| xEux)MIISiN3 (1) (in the formula (1), MI is an alkaline-earth metal element and represents at least one element selected from the group consisting of Mg, Ca, Sr, and Ba; Mil is a trivalent metal element arid represents at least one element selected from the group consisting of AI, Ga, In, Sc, Y, La, Gd, and Lu; and x is the number satisfying 0.001 < x < 0.10), in which the electrical conductivity of a supernatant liquid of the solution containing 10 parts by mass of pure water with respect to 1 part by mass of the red light emitting phosphor is not more than 10 mS/cm.

No. of Pages: 28 No. of Claims: 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9610/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/11/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: LOZENGES OF ERYTHRITOL AND ISOMALT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:10004121.9 :19/04/2010 :EPO :PCT/EP2011/001866 :13/04/2011 :WO 2011/131313 A1 :NA :NA	(71)Name of Applicant:  1)CARGILL INCORPORATED  Address of Applicant:15407 McGinty Road West Wayzata MN 55 391 U.S.A. (72)Name of Inventor:  1)BOGHMANS Catherine Patricia L.  2)CORTEBEECK Bart  3)MEEUS Liesbeth Maria Fernande  4)SIPS Cornelius Adrianus Petrus
e	:NA :NA	

#### (57) Abstract:

The present invention relates to a lozenge comprising at least 70% w/w sweetener preferably at least 80% w/w more preferably at least 90% w/w sweetener and binding agent wherein the binding agent comprises isomalt preferably the binding agent is consisting of isomalt. The amount of sweetener and binding agent is from 99/1 to 70/30 weight percent based on dry substance of lozenge. The current invention further relates to a process for producing these lozenges. It further relates to a composition consisting of isomalt and at least 70% w/w erythritol preferably at least 80% w/w more preferably at least 90% w/w erythritol and wherein the amount of erythritol and isomalt is from 99/1 to 70/30 weight percent based on dry substance of composition and the use of isomalt as a binding agent in the preparation of a lozenge and the use of said lozenge in the field of food feed pharma cosmetics detergents fertilizer or agrochemical products.

No. of Pages: 15 No. of Claims: 11

(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

### (54) Title of the invention: PRESTRESSED SOLAR COLLECTOR MODULE

(51) International classification:F24J2/14,F24J(31) Priority Document No:P201000426(32) Priority Date:31/03/2010(33) Name of priority country:Spain

(86) International Application No :PCT/ES2011/000098 Filing Date :31/03/2011

(87) International Publication No :WO 2011/121153

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application
Number
Filing Date
:NA
:NA
:NA

:F24J2/14,F24J2/54,F16C3/02 (71)**Name of Applicant :** 

1)ABENGOA SOLAR NEW TECHNOLOGIES S.A. Address of Applicant : Avenida de la Buhaira 2 E 41018

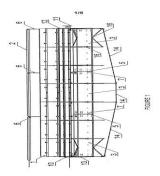
Sevilla Spain

(72)Name of Inventor:

1)MU'OZ GILABERT Felix

#### (57) Abstract:

The invention relates to a prestressed solar collector module forming a support structure for solar collectors of the type formed by a lattice bar structure including a central beam (1) essentially characterised in that: the central beam or torque box (1) takes the form of a multi face polyhedron or cylinder that is divided into sections (3) each section being formed by multiple bent or curved plates (4); a surrounding triangular lattice structure (16) is provided to support the parabolic reflector (17) which structure is formed with L shaped elements all of the connections being formed with rivets; and all of the structure is prestressed using a series of tension rods (13 14 15) which optimise the flexural behaviour of the structure and which include end anchoring points and intermediate through points allowing the necessary curvature to be obtained and the tension to be maintained.



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

(22) Date of filing of Application :02/11/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: DEVICE AND METHOD FOR STORING HEAT

:02/05/2011

(51) International classification: F28D20/00,F24D11/00,F24H7/00 (71) Name of Applicant:

:10161922.9 (31) Priority Document No (32) Priority Date :04/05/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/056946 No

Filing Date

(87) International Publication :WO 2011/138270

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

(72)Name of Inventor:

1)WORTMANN J1/4rgen

2)SCH,,FER Claus

3)LUTZ Michael

4)SEELER FABAIN

5)GARTNER.MARTIN

6)MAJOR FELIX

7) SCHIERLE ARNDT Kerstin

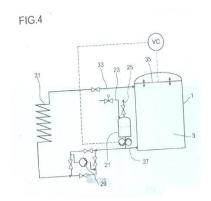
8)MACHHAMMER Otto

9)HUBER G1/4nther

10)MAURER Stephan

#### (57) Abstract:

The invention relates to a device for storing heat comprising a heat storage medium which for storing heat takes up heat and for using the stored heat gives off heat and a tank for receiving the heat storage medium wherein the tank is closed by a gas tight covering and means for volume equalization are comprised in order to equalize an increase in volume of the heat storage medium (3) as a result of an increase in temperature and a decrease in volume as a result of a decrease in temperature. The invention also relates to a method for storing heat in which for storing heat heat is transferred to a heat storage medium or for using heat heat is removed from the heat storage medium and passed to the heat transfer medium wherein the heat storage medium is held in a tank which is closed by a gas tight covering wherein an expansion of the volume of the heat storage medium (3) is equalized by an increase in the volume of the tank (1) or by heat storage medium (3) flowing out of the tank (1) into a buffer tank (21; 63 65) and a decrease in the volume of the heat storage medium (3) is equalized by a reduction in the volume of the tank (1) or by heat storage medium (3) flowing out of the buffer tank (21; 63 65) into the tank (1).



No. of Pages: 34 No. of Claims: 11

(21) Application No.4660/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

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

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:2011- 250879	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:16/11/2011	Hamamatsu-shi Shizuoka-ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Masahiro AOYAMA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an electric rotating machine capable of providing a high quality and efficient machine operation with reduced oscillation and noise by lowering torque ripple. The electric rotating machine includes a stator having a plurality of teeth facing a rotor, and a plurality of slots providing spaces for winding coils around the teeth. The rotor has a pair of permanent magnets embedded therein and located in a V • shape configuration. Six slots of each set of the plurality of slots face one magnetic pole formed by the permanent magnets of each pair and the adjacent flux barriers. The plurality of teeth includes long teeth and short teeth. The 15 distance xL between each of the long teeth and the rotor and the distance xS between each of the short teeth and the rotor meet the condition  $0.1 \le (xS - xL) / xL \le 0.3$ .

No. of Pages: 37 No. of Claims: 3

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: BI-FUEL ENGINE FOR VEHICLE •

(51) International classification	:F02M	(71)Name of Applicant:
(31) Priority Document No	:2011- 251707	1)SUZUKI MOTOR CORPORATION Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:17/11/2011	Hamamatsu-shi Shizuoka-ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Katsunori 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) Abstract:

A bi-fuel engine is equipped with an engine body a plurality of branched intake pipes a surge tank and an air cleaner. Each of the branched intake pipes has a length including a slant portion and a bend. The bend is located on the side of the engine body and connects at an end to the slant portion and at the other end to a downstream end of the branched intake pipe. The slant portion extends from the bend to the upstream end of the branched intake pipe obliquely to a horizontal direction of the engine body so as to define between the surge tank and an upper portion of the engine body a space which is large enough to permit a cylinder head cover to be installed to and uninstalled from the upper portion of the engine body.

No. of Pages: 28 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9127/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012 (43) Publication Date : 29/04/2016

### (54) Title of the invention: PROCESS FOR PRODUCING PTFE AND ARTICLES THEREOF

:28/04/2011

(31) Priority Document No :1007043.1 (32) Priority Date :28/04/2010

(33) Name of priority country :U.K.

(86) International Application :PCT/US2011/034224

No Filing Date

(87) International Publication :WO 2011/139807

No

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

### (51) International classification :C08F14/26,C08L27/18,C08J5/18 (71) Name of Applicant:

### 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)FREY Oliver

2)HINTZER Klaus

3)NEUMANN Wolfgang 4)STREITER Andr

### (57) Abstract:

No. of Pages: 34 No. of Claims: 26

³Described herein is a process for making PTFE having a standard specific gravity of less than 2.160 g/cm comprising: polymerizing a tetrafluoroethylene monomer in an aqueous medium comprising an emulsifier and an initiator in a reaction vessel and contacting the aqueous medium with a fluorinated polyether. Also described herein are the polymerizable compositions and articles thereof.

(22) Date of filing of Application :25/10/2012

(43) Publication Date: 29/04/2016

# (54) Title of the invention: RESPONSE MECHANISMS FOR WIRELESS NETWORKS USING WIDE BANDWIDTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04L 1/16 :12/814,014 :11/06/2010 :U.S.A. :PCT/US2011/039931 :10/06/2011 :WO/2011/156683 :NA :NA	(71)Name of Applicant: 1)INTEL CORPORATION Address of Applicant: 2200 MISSION COLLEGE BLVD. SANTA CLARA CA 95052 USA U.S.A. (72)Name of Inventor: 1)GONG Michelle X. 2)STEPHENS Adrian P.
(61) Patent of Addition to Application	:NA	2)STEPHENS Adrian P.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In some embodiments multiple wireless communication devices that are each transmitting an acknowledgement to the same widechannel transmission will transmit their acknowledgements simultaneously over different ones of the narrow channels that make up the wide channel thereby permitting older devices that cant decode the wide channels to determine when the acknowledgement are transmitted.

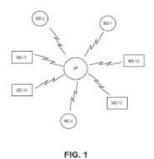


FIG.

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

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: REFRIGERANT COMPRESSOR

<ul> <li>(51) International classification</li> <li>(31) 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>	:F04B :2011- 247160 :11/11/2011 :Japan :NA :NA	(71)Name of Applicant:  1)PANASONIC CORPORATION Address of Applicant:1006, OAZA KADOMA, KADOMA- SHI, OSAKA 571-8501 Japan (72)Name of Inventor: 1)KUBOTA, AKIHIKO 2)SATO, JUN
<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	3)YAGI, AKIO 4)MORISHIMA, MASATO 5)MORI, YUJI

#### (57) Abstract:

A refrigerant compressor comprises an electric element; a compression element; and a sealed container; wherein the compression element includes: a crankpin; a piston pin; and a connecting rod having a large hole portion into which the crankpin is inserted, a small hole portion in which the piston pin is rotatably disposed, and a coupling rod portion; wherein an oil guide hole is provided in the coupling rod portion of the connecting rod such that the large hole portion and the small hole portion are communicated with each other via the oil guide hole; a circular first groove is provided on an outer peripheral surface of the piston pin such that the first groove communicates with the oil guide hole: and a second groove extending in parallel with a center axis of the piston pin is provided on an inner peripheral surface of the small hole portion.

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

(22) Date of filing of Application :08/11/2012

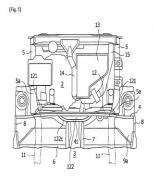
(43) Publication Date: 29/04/2016

# (54) Title of the invention : MOUNTING STRUCTURE FOR DASH CROSS MEMBER IN FRONT PORTION OF VEHICLE BODY ullet

(51) International classification	:B62D	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)SUZUKI MOTOR CORPORATION
(31) Friority Document No	260158	Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:29/11/2011	Hamamatsu-shi Shizuoka-Ken Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Daisuke FURUMOTO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem to be Solved] Provided is a mounting structure for a dash cross member at the front of a body which can ensure the degree of freedom of layout because the burden on front side members is reduced by efficiently distributing a load on a floor tunnel and preventing interference with an engine and the piping thereof, pedals or a steering shaft and the like. [Solution] The structure is such that a dash cross member 12 disposed between front side members 5 in the vehicle width direction is divided into three parts: both side portions 121 and a middle portion 122, the side portions 121 are joined to a front surface 4F side of a dash panel 4 and outer end portions 121c of these side portions 121 are inclined to the vehicle front side and are joined to the respective front side members 5, the middle portion 122 is joined to a rear surface 4R side of the dash panel 4, and connections between the side portions 121 and middle portion 122 of the dash cross member 12 are formed so that the sections of the connections between the middle portion 122 and the side portions 121 are continuous between the front and rear surfaces of the dash panel 4. [Selected Drawing] Figure 5



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

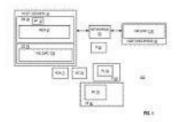
(22) Date of filing of Application :05/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: INTERRUPTION AT LEAST IN PART OF FRAME TRNASMISSION

(51) International classification (31) Priority Document No	:H04L 29/06 :12/827,956 :30/06/2010	(71)Name of Applicant:  1)INTEL CORPORATION  Address of Applicant: 2200 MISSION COLLEGE BLVD
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:U.S.A.	Address of Applicant :2200 MISSION COLLEGE BLVD. SANTA CLARA CA 95052 USA U.S.A.
(86) International Application No Filing Date	:PCT/US2011/042548 :30/06/2011	(72)Name of Inventor: 1)NAOURI Ygdal
(87) International Publication No	:WO/2012/003288	2)LOUZOUN Eliel
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An embodiment may include circuitry to permit interruption at least in part of a first frame from a sender to an intended recipient in favor of transmitting at least in part a payload of a second frame from the sender to the intended recipient and/or processing at least in part one or more incoming flow control notifications. The payload may be transmitted at least in part to the intended recipient in one or more frame fragments. Many modifications variations and alternatives are possible without departing from this embodiment.



No. of Pages: 31 No. of Claims: 22

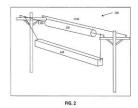
(22) Date of filing of Application :15/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: METHOD FOR ALTERING THE CONDUCTIVITY OF MATERIALS

(51) International classification	:H01F13/00	(71)Name of Applicant:
(31) Priority Document No	:61/325,558	1)DYNAPULSE L.L.C.
(32) Priority Date	:19/04/2010	Address of Applicant :13500 Wayzata Boulevard Minnetonka
(33) Name of priority country	:U.S.A.	Minnesota 55305 U.S.A.
(86) International Application No	:PCT/US2011/033118	(72)Name of Inventor:
Filing Date	:19/04/2011	1)JILES David C.
(87) International Publication No	:WO 2011/133597 A1	2)MAGNELL Steffen
(61) Patent of Addition to Application	:NA	3)MINA Mani
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for altering the properties of a material by exposure of the material to a magnetic field is described herein. The A system and method for altering the properties of a material by exposure of the material to a magnetic field is described herein. The method comprises generating a magnetic field; exposing a material to the magnetic field and determining the optimum settings of the magnetic field parameters for the particular material. The magnetic field may be time varying or time invariant. Various properties of the magnetic field can be altered to determine the optimum settings for altering the material properties including the amplitude frequency and waveform.



No. of Pages: 25 No. of Claims: 22

(22) Date of filing of Application :05/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SUBSTRUCTURE GENERATION USING AUTOMATED MULTILEVEL SUBSTRUCTURING •

#### (57) Abstract:

A computer-implemented method is provided for use in finite element analysis of a three-dimensional (3D) representation of a physical object. The computer-implemented method includes combining a plurality of retained degrees of freedom of the 3D representation to form a root substructure reducing a structure of the 3D representation on to a reduced automated multilevel substructuring (AMLS) subspace and computing a plurality of eigenmodes and condensed operators based on the reduced structure and computing constraint modes using an AMLS transformation matrix. The computer-implemented method also includes generating at least one substructure of the 3D representation based on the plurality of eigenmodes constraint modes and condensed operators and storing the at least one substructure in a memory area.

No. of Pages: 45 No. of Claims: 18

(22) Date of filing of Application :05/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MECHANICAL ENERGY HARVESTING DEVICES AND METHODS

(51) International classification	:A01D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Indian Institute of Technology Madras
(32) Priority Date	:NA	Address of Applicant : Chennai 600036 Tamil Nadu India
(33) Name of priority country	:NA	Madhya Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAMAD Abdus
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and systems for harvesting mechanical energy for transformation into electrical energy are described. An energy harvesting apparatus may include a housing having fluid disposed therein and a piston assembly configured to move within the housing in one of an extension stroke and a compression stroke. The piston assembly may include a bidirectional rotor configured to rotate responsive to the piston assembly moving in either of the extension stroke and the compression stroke. The bidirectional rotor may be connected to a rotary generator such that rotational energy generated by rotation of the bidirectional rotor may be transferred to the rotary generator. Electrical energy may be produced by the rotary generator responsive to receiving the rotational energy.

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

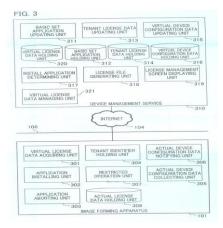
(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : MANAGEMENT DEVICE, INFORMATION PROCESSING SYSTEM, MANAGEMENT METHOD, AND STORAGE MEDIUM

(51) I	G0 (F21 /00	
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2011-	1)CANON KABUSHIKI KAISHA
(31) Thomy Bocument 110	251464	Address of Applicant :30-2, SHIMOMARUKO 3-CHOME,
(32) Priority Date	:17/11/2011	OHTA-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ASAHARA, HIDEO
Filing Date	:NA	
(87) International Publication 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 management service receives acquisition request of application information for the application to be applied from the image forming apparatus, generates and transmits application information corresponding to the image forming apparatus when device configuration information of the image forming apparatus satisfies a applicable condition of the application included in basic set application information and a license for utilizing to apply to the image forming apparatus is present. FIG.3



No. of Pages: 66 No. of Claims: 8

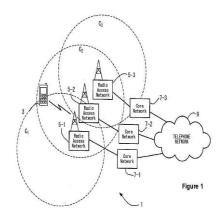
(22) Date of filing of Application :26/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: COMMUNICATIONS SYSTEM

(51) International classification	:H04W36/14,H04W36/26	(71)Name of Applicant :
(31) Priority Document No	:1006310.5	1)NEC Corporation
(32) Priority Date	:15/04/2010	Address of Applicant :7-1, Shiba 5-chome, Minato-ku, Tokyo
(33) Name of priority country	:U.K.	108-8001, Japan Japan
(86) International Application No	:PCT/JP2011/059670	(72)Name of Inventor:
Filing Date	:13/04/2011	1)PRASAD Anand Raghawa
(87) International Publication No	:WO 2011/129464	2)JACTAT Caroline
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A cellular communications system is provided in which a user device maintains and provides a last non emergency security context to a core network when moving from a network that provided restricted services to a network that provides unrestricted services. In this way re authentication of the user device can be avoided in the network that provided unrestricted services.



No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: NANOPATTERNED MEDICAL DEVICE WITH ENHANCED CELLULAR INTERACTION

:A61M37/00,A61M5/158 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/328723 (32) Priority Date :28/04/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2011/051865

Filing Date :27/04/2011

(87) International Publication No :WO 2011/135533

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)KIMBERLY CLARK WORLDWIDE INC.

Address of Applicant :2300 Winchester Road Neenah

Wisconsin 54956 U.S.A. (72) Name of Inventor: 1)ROSS Russell Frederick

(57) Abstract:

Disclosed are nanotopography based methods and devices for interacting with a component of the dermal connective tissue. Devices include structures fabricated on a surface to form a nanotopography. A random or non random pattern of structures may be fabricated such as a complex pattern including structures of differing sizes and/or shapes. Microneedles may be beneficially utilized for delivery of an agent to a cell or tissue. Devices may be utilized to directly or indirectly alter cell behavior through the interaction of a fabricated nanotopography with the plasma membrane of a cell and/or with an extracellular matrix component.

No. of Pages: 106 No. of Claims: 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9149/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: NUCLEOSIDE PHOSPHORAMIDATES

(51) International :C07H19/06,C07H19/207,A61K31/7072 classification

:61/319513

:31/03/2010

:31/03/2011

:PCT/US2011/030725

:WO 2011/123645

:U.S.A.

:NA

(31) Priority Document

(32) Priority Date

(33) Name of priority country

(86) International

Application No

Filing Date (87) International

Publication No

(61) Patent of Addition to :NA

**Application Number** Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)GILEAD PHARMASSET LLC

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Drive Foster City California 94404 U.S.A.

(72)Name of Inventor:

1)ROSS Bruce S.

2)SOFIA Michael Joseph

3)PAMULAPATI Ganapati Reddy

4)RACHAKONDA Suguna

5)ZHANG Hai Ren

6)CHUN Byoung Kwon

7)WANG Peiyuan

### (57) Abstract:

Disclosed herein are nucleoside phosphorainidates and their use as agents for treating viral diseases. These compounds are inhibitors of RNA dependent RNA viral replication and are useful as inhibitors of HCV NS5B polymerase as inhibitors of HCV replication and for treatment of hepatitis C infection in mammals.

No. of Pages: 151 No. of Claims: 70

(21) Application No.4600/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR FASTENING A SHIRT CUFF

<ul> <li>(51) International classification</li> <li>(31) 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>	:A44B :13586776 :15/08/2012 :U.S.A. :NA	(71)Name of Applicant: 1)Kiran Kumar Gurumurthy Address of Applicant:111 West Sixth Street No. 1906 Tempe Arizona - 85281 U.S.A. (72)Name of Inventor: 1)Kiran Kumar Gurumurthy
<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:

A shirt cuff fastener that converts a barrel cuff to a link cuff using two pieces that are attracted magnetically the fastener including an enclosure that secures to a shirt cuff button and extension that extends through the shirt cuff button hole and magnetically attracts to the enclosure.

No. of Pages: 38 No. of Claims: 22

(22) Date of filing of Application :30/10/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention: EXTENSION MECHANISM FOR SCRIPTING LANGUAGE COMPILER

(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 (82) Priority Date (83) Name of priority country (84) International Application No Filing Date (85) International Publication No Filing Date (86) Patent of Addition to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) Priority Date Filing Date Filin	<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> </ul>	:13/327,532 :15/12/2011 :U.S.A. :NA :NA : NA :NA :NA	Address of Applicant :Dietmar-Hopp-Allee 16 D-69190 WALLDORF Germany Germany (72)Name of Inventor : 1)KABALA Anna 2)KLEMENZ Oliver 3)MUELLER Andreas
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#### (57) Abstract:

A method for forming an extension to a scripting language compiler is disclosed. A compiler of a machine receives a source code that has a new keyword to a scripting language of the compiler. An extension compiler module processes the source code to support the new keyword. The compiler and the extension compiler module generate an executable machine code based on a process of the extension compiler module and the compiler.

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

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/04/2016

# (54) Title of the invention : A METHOD AND SYSTEM FOR CONTROLLING ELECTRONIC DISPLAY DEVICES USING DIGITAL WATERMARKS

(74)	****	71.33
(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG ELECTRONICS COMPANY
(32) Priority Date	:NA	Address of Applicant :416 MAETAN-DONG,
(33) Name of priority country	:NA	YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 442-742
(86) International Application No	:NA	Republic of Korea
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PANKAJ MISHRA
(61) Patent of Addition to Application Number	:NA	2)NISHANTBUGALIA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for controlling electronic display devices using digital watermarks is provided. The method includes receiving an input image of an electronic display device from a remote control unit, processing the input image to identify the electronic display device based on a digital watermark embedded in the input image, providing a menu of the electronic display device to the remote control unit, and enabling control of the electronic display device by a user of the remote control unit. The system includes a plurality of electronic display devices, a remote control unit, a server that enables controlling of the electronic display devices by the remote control unit, and a communication interface for establishing communication between the electronic display device and the remote control unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9169/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012 (43) Publication Date: 29/04/2016

### (54) Title of the invention: USE OF COPOLYMER FOR INCREASING ACTIVITY OF PESTICIDE

(51) International :A01N25/10,C08L39/04,C08L39/06

classification

(31) Priority Document No :10158299.7 (32) Priority Date :30/03/2010

(33) Name of priority country: EPO

(86) International Application :PCT/IB2011/051177

:21/03/2011 Filing Date

(87) International Publication :WO 2011/121477

(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)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

(72)Name of Inventor: 1)Mertoglu Murat 2)Bechtel Stefan 3)Klappach Kristin

4)Nolte Marc

## (57) Abstract:

A use of a graft copolymer obtained by free radical polymerization of a monomer mixture comprising N vinyllactam vinyl ester and a polyether for increasing the activity of a pesticide is disclosed. A composition comprising a pesticide and a graft copolymer obtained by free radical polymerization of a monomer mixture comprising i) 30 to 80% by weight of N vinylpyrrolidone N vinylcaprolactam or mixtures thereof ii) 10 to 50% by weight of vinyl acetate and iii) 10 to 50% by weight of a polyether is also disclosed. Furthermore a method for preparing said composition by mixing the pesticide and the graft copolymer and a method for controlling phytopathogenic fungi and/or undesired plant growth and/or undesired attack by insects or mites and/or for regulating the growth of plants are also disclosed.

No. of Pages: 26 No. of Claims: 15

(22) Date of filing of Application :23/12/2014 (43) Publication Date : 29/04/2016

### (54) Title of the invention: DYNAMIC ADJUSTMENT OF CPU OPERATING FREQUENCY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F1/32 :14/526,310 :28/10/2014 :U.S.A. :NA :NA :NA	· ·
Filing Date  (62) Divisional to Application Number	:NA :NA :NA	5)BADRINATH K. SRIDHARAN
Filing Date	:NA	

#### (57) Abstract:

A system, apparatus, and methods are provided for dynamically adjusting or modifying the operating frequency of a CPU or other processor component, based on a current performance of an application (or applications) executed by the CPU and a target performance, such as a performance level identified in a service level agreement (SLA) associated with the application(s). Multiple thresholds or zones of performance are defined, which may be altered during operation (e.g., based on a profile or predicted CPU workload), and each threshold/zone is associated with a frequency adjustment to implement when the applications performance triggers the threshold or zone. Illustrative adjustments include maximizing the operating frequency, minimizing it, and scaling it up or down one or more discrete levels within a range of frequencies at which the CPU can operate. Thus, CPU operation is adjusted with a primary goal of satisfying application SLAs and a secondary goal of conserving energy.

No. of Pages: 28 No. of Claims: 21

(22) Date of filing of Application :22/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention : AN IMPROVED METHOD TO PRODUCE COLD BONDED BRIQUETTES FROM IRON ORE SLIME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B03D1/018 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA STEEL LIMITED  Address of Applicant: JAMSHEDPUR - 831001, INDIA Jharkhand  2)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (72)Name of Inventor:  1)T. VENUGOPALAN  2)Y. RAJSHEKAR  3)RANJEETA SHARMA  4)SANJAY KUMAR  5)T.C. ALEX  6)S. K. NATH  7)D. P. SAHOO
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# (57) Abstract:

The present invention relates to an improved method for production of cold bonded briquettes from iron ore slime. The briquettes are produced from iron ore slime, a waste generated during washing of iron ores, where the properties of briquettes are achieved by the process of cold setting using a hydraulic binder.

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

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 29/04/2016

# (54) Title of the invention: MANAGING MONEY MOVEMENT METHODS INVOLVING A PAYMENT SERVICE 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>	:30/10/2014 : NA :NA :NA :NA	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 COAST AVENUE, MOUNTAIN VIEW, CALIFORNIA 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)DHINGRA, AMIT 2)YUEN, BILLY
Filing Date	:NA	

#### (57) Abstract:

A method to send a payment to satisfy an obligation. The method includes receiving, by a payment service, a target time request to complete the payment, wherein the target time request comprises a first target time for completing at least a first portion of the payment, comparing, in response to receiving the target time request, a current time and the first target time to determine a first available payment processing time, selecting a first electronic funds transfer (EFT) network from a plurality of EFT networks based on matching the first available payment processing time to a first estimated payment processing time of the first EFT network, and initiating, in response to selecting the first EFT network, processing of the first portion of the payment using the first EFT network.

No. of Pages: 32 No. of Claims: 27

(22) Date of filing of Application :27/10/2014 (43) Publication Date : 29/04/2016

# (54) Title of the invention: ELECTRICAL POWER TRANSMISSION 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></ul>	:H01F38/14 :NA :NA :NA	(71)Name of Applicant:  1)GLENN KENTON ROSENDAHL Address of Applicant: PO BOX 334 ELIE MANITOBA CANADA ROH 0H0 CANADA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GLENN KENTON ROSENDAHL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An improved management of an electrical power transmission network is obtained by providing at each of the subscriber premises a load control device which includes a power correction system for applying a capacitive load and/or a switched reactor for voltage correction across the input voltage and a sensing system defined by a pair of meters one at the supply and the second downstream of the voltage correction for detecting variations in power factor. A control system operates to control the power correction system in response to variations detected by the sensing system and to communicate between the load control device and the network control system so as to provide a bi-directional interactive system.

No. of Pages: 24 No. of Claims: 21

(22) Date of filing of Application :28/10/2014 (43) Publication Date : 29/04/2016

## (54) Title of the invention: A METHOD OF MAKING BIFURCATED TUBE BENDS FOR POWER BOILERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61J15/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR, KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW DELHI - 110049, INDIA. West Bengal (72)Name of Inventor:  1)RAMASAMY SELVARAJ 2)SHANMUGAVEL PARAMASIVAM 3)GURUSAMY SUBRAMANIAN 4)SEENI ISMONSON
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#### (57) Abstract:

A method of making bifurcated tube bends for power boilers, comprising the steps of: providing a straight bifurcated tube (2); mounting a bottom former (4) on a bending machine through a stay bolt (11) having a bottom profile of the bifurcated bend to be produced from said straight tube (2); placing a top former (5) having a top profile of the bifurcated bend over the bottom former (4); providing a drive Pin (6) to avoid eccentricity between the top former (5) and the bottom former (4); disposing a top plate (7) to hold the stay bolt (11) and the top former (5) together; locking the top former in the stay bolt by using a nut (8); interposing a hexagonal socket head screw (9) to hold the top former (5) and the top plate (7) together; locking the drive pin (6) in its position by applying a grub screw (10); and importing a simultaneous motion of the former assembly (4,5) to produce a required bend radius of 76.2 mm in the reheater tube (2) initially having an outside diameter 63.5 mm.

No. of Pages: 9 No. of Claims: 1

# PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF <u>PATENTS (MUMBAI)</u>

NOTICE IS HEREBY GIVEN THAT ANY PERSON INTERESTED IN OPPOSING THE FOLLOWING APPLICATION FOR RESTORATION OF PATENTS UNDER SECTION 60 OF THE PATENT ACT, 1970, MAY AT ANY TIME WITHIN 2 MONTHS FROM THE DATE OF PUBLICATION OF THIS NOTICE, GIVE NOTICE TO THE CONTROLLER OF PATENTS AT THE APPROPRIATE

OFFICE ON THE PRESCRIBED FORM-14 UNDER RULE 85 OF THE PATENTS (AMENDMENT) RULES, 2006

Sl. No.	PATENT NOS.	APPLICANTS	TITLE	DATE OF CESSATION	APPRO- PRIATE OFFICE
1.	259169	Sun Pharma Advanced Research Company Ltd.	Ophthalmic composition	07/03/2015	Mumbai
2.	261360	M/s. Sterlite Technologies Limited	Method for producing optical fiber Preform having reduced cracks and deformation, and a preform produced therefrom	05/04/2015	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)	Appropri ate Office
1	272713	1593/DEL/2004	25/08/2004		A METHOD OF REACTIVE DYEING OF JUTE FABRIC BY TWO-STEP-TWO-BATH OPERATION	INDIAN COUNCIL OF AGRICULTURAL RESEARCH	28/07/2006	DELHI
2	272716	7370/DELNP/20 06	21/06/2005	21/06/2004	A SANITARY NAPKIN	THE PROCTER & GAMBLE COMPANY	03/08/2007	DELHI
3	272717	2263/DEL/2004	11/11/2004	13/11/2003	FEMALE CONNECTION ELEMENT AND QUICK CONNECTION INCORPORATING SUCH AN ELEMENT	STAUBLI FAVERGES	22/09/2006	DELHI
4	272718	7244/DELNP/20 08	27/12/2006	07/02/2006	PACKAGING ARTICLE FOR A SUBSTANCE TO BE INFUSED	COMPAGNIE MEDITERRANEENNE DES CAFES S.A.	03/10/2008	DELHI
5	272720	5369/DELNP/20 08	14/12/2006	19/12/2005	METHOD FOR THE ENANTIOSELECTIVE ENZYMATIC REDUCTION OF HYDROXYKETO COMPOUNDS	IEP GMBH	24/10/2008	DELHI
6	272721	4657/DELNP/20 07	05/01/2006	05/01/2005	SYNTHETIC IMMUNOGLOBULIN DOMAINS WITH BINDING PROPERTIES ENGINEERED IN REGIONS OF THE MOLECULE DIFFERENT FROM THE COMPLEMENTARITY DETERMINING REGIONS	F-STAR BIOTECHNOLOGISCHE FORSCHUNGS-UND ENTWICKLUNGSGES.M. B.H.	17/08/2007	DELHI
7	272724	1156/DEL/2008	09/05/2008 15:03:41	18/05/2007	AN APPARATUS AND METHOD FOR CONTINUOUSLY MOVING FLEXIBLE CONTAINERS FROM A ROTARY MACHINE TO A CONVEYOR	WILD PARMA S.R.I.	21/11/2008	DELHI
8	272725	113/DEL/2007	18/01/2007 11:50:52	27/01/2006	WATER PRUFICATION SYSTEM	EMD MILLIPORE CORPORATION	24/08/2007	DELHI
9	272728	2717/DEL/2005	10/10/2005	27/12/2004	HANDLE LOCK DEVICE PROTECTIVE STRUCTURE OF MOTORCYCLE	HONDA MOTOR CO., LTD.	02/10/2009	DELHI
10	272731	2748/DEL/2008	04/12/2008 15:22:33	05/12/2007	APPARATUS AND PROCESS FOR REGENERATING CATALYST	UOP LLC	17/07/2009	DELHI

11	272733	4608/DELNP/20 09	21/12/2007	21/12/2006	BIOLUMINESCENT ASSAYS UTILISING SECRETED LUCIFERASES	GENE STREAM PTY LTD	27/04/2012	DELHI
12	272738	106/DELNP/200 7	02/07/2003	30/07/2004	TELECOMMUNICATIONS APPARATUS AND METHOD	ORANGE S.A.	27/04/2007	DELHI
13	272739	2123/DEL/2008	09/09/2008 15:45:16	19/09/2007	REAR PART STRUCTURE OF VEHICLE BODY	SUZUKI MOTOR CORPORATION	17/04/2009	DELHI
14	272741	10165/DELNP/2 011	21/05/2010	23/07/2009	METHOD FOR PREPARING FLUORINE COMPOUNDS	ARKEMA FRANCE	19/10/2012	DELHI
15	272743	7281/DELNP/20 10	05/03/2009	19/03/2008	LUBRICANT ADDITIVE COMPOSITION SUITABLE FOR LUBRICATING TWO- STROKE ENGINES FUELED WITH HEAVY FUELS	THE LUBRIZOL CORPORATION	17/02/2012	DELHI
16	272744	6087/DELNP/20 10	03/03/2009	03/03/2008	DRYER CONFIGURATION FOR PRODUCTION OF POLYESTER PARTICLES	GRUPO PETROTEMEX S.A.DE C.V	25/11/2011	DELHI
17	272745	478/DELNP/201 1	13/08/2009	13/08/2008	THE USE OF WNT5-A PEPTIDE DERIVATES FOR THE TREATMENT OF MELANOMA AND GASTRIC CANCER	WNTRESEARCH AB	03/02/2012	DELHI
18	272751	8720/DELNP/20 07	12/04/2006	15/04/2005	SELECTIVE OXIDATIVE CONVERSION OF METHANE TO METHANOL, DIMETHYL ETHER AND DERIVED PRODUCTS	UNIVERSITY OF SOUTHERN CALIFORNIA	27/06/2008	DELHI
19	272752	4404/DELNP/20 07	09/12/2005	09/12/2004	DRY POWDER INHALERS	CAMBRIDGE CONSULTANTS LIMITED	24/08/2007	DELHI
20	272759	1078/DELNP/20 12	28/10/2010	09/11/2009	PROCESS AND APPARATUS FOR RECOVERING PRODUCTS FROM TWO REACTORS	UOP LLC	02/11/2012	DELHI
21	272763	5699/DELNP/20 07	19/12/2005	21/12/2004	METHOD OF PRODUCING TRANSGENIC SEEDS WITH ENHANCED AGRONOMIC TRAITS`	MONSANTO TECHNOLOGY, LLC	17/08/2007	DELHI
22	272764	1043/DELNP/20 10	07/07/2008	03/08/2007	PROCESS	JOHNSON MATTHEY PLC.	13/08/2010	DELHI
23	272772	2925/DELNP/20 07	20/10/2005	20/10/2004	A VIBRATORY TIP	PATRICK LESAGE	17/08/2007	DELHI
24	272777	9830/DELNP/20 07	26/06/2006	01/07/2005	METHOD FOR REDUCING ATTRACTION FORCES BETWEEN SILICON WAFERS	REC Solar Pte. Ltd.	20/06/2008	DELHI
25	272780	1078/DEL/2008	28/04/2008 14:41:11	12/07/2007	VEHICLE BODY	DR. ING. H.C.F. PORSCHE AKTIENGESELLSCHAF T	06/03/2009	DELHI

				The De	ASSEMBLY tent Office Journal 29/04/20	ORGANISATION	177	225
41	272815	1752/DEL/2005	06/07/2005		A METHOD FOR FABRICATING ANNULAR TRUNCATED CONE	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT	31/08/2007	DELHI
40	272814	119/DEL/2008	15/01/2008 12:16:13	02/03/2007	FUEL PUMP LAYOUT STRUCTURE IN MOTORCYCLE	HONDA MOTOR CO.,LTD	12/09/2008	DELHI
39	272813	1986/DELNP/20 08	24/08/2006	28/09/2005	ABSENCE ASSISTANCE SYSTEM FOR MULTIMEDIA ENABLED COMMUNICATION SYSTEM	Unify GmbH & Co. KG	04/07/2008	DELHI
38	272811	3182/DELNP/20 10	11/11/2008	06/12/2007	CATALYST COMPOSITION AND PROCESS FOR PREPARING LINEAR ALPHA-OLEFINS •	LINDE AG,SAUDI BASIC INDUSTRIES CORPORATION	13/04/2012	DELHI
37	272810	537/DELNP/200 7	21/06/2005	22/06/2004	RELEASE HOLDING MECHANISM FOR ASR HAND BRAKE	WABTEC HOLDING CORPORATION	17/08/2007	DELHI
36	272807	4028/DELNP/200 9	21/12/2007	21/12/2006	PROCESS FOR MANUFACTURING OPHTHALMIC OIL-IN- WATER EMULSIONS •	SANTEN SAS	01/01/2010	DELHI
35	272805	6455/DELNP/201 0	20/05/2009	26/05/2008	METHOD FOR FORMING COATING FILM •	KANSAI PAINT CO. LTD.,TOYOTA JIDOSHA KABUSHIKI KAISHA	27/12/2013	DELHI
34	272804	2583/DEL/2007	10/12/2007 13:11:59		OPHTHALMIC COMPOSITION COMPRISING PHENYLEPHRINE	PROMED RESEARCH CENTRE	10/07/2009	DELHI
33	272802	3466/DELNP/20 06	23/12/2004	24/12/2003	THREE-LAYERED METAL CABLE FOR TYRE CARCASS REINFORCEMENT	SOCIETE DE TECHNOLOGIE MICHELIN ,MICHELINE RECHERCHE ET TECHNIQUE S.A.	10/08/2007	DELHI
32	272800	00830/DELNP/20 03	28/11/2001	28/11/2000	A METHOD IN AN ACCESS NETWORK CONTROLLER OF A DATA	NORTEL NETWORKS LIMITED	05/01/2007	DELHI
31	272795	1619/DELNP/20 12	10/11/2010	07/12/2009	MAINTAINING LOWERED CO IN A CO2 PRODUCT STREAM IN A PROCESS FOR TREATING SYNTHESIS GAS	UOP LLC	05/06/2015	DELHI
30	272794	7542/DELNP/201 0	29/04/2009	30/04/2008	METHODS OF PREPARING A POLYMERIZATION CATALYST	CHEVRON PHILLIPS CHEMICAL COMPANY LP	04/10/2013	DELHI
29	272793	8180/DELNP/20 07	24/04/2006	25/04/2005	OUTRIGGER WITH LOCKING MECHANISM	SYNTHES GMBH	04/07/2008	DELHI
28	272790	2291/DEL/2008	01/10/2008 15:44:01	03/10/2007	STEAM VALVE AND GENERATOR SET	KABUSHIKI KAISHA TOSHIBA	19/06/2009	DELHI
27	272789	10462/DELNP/2 008	19/06/2007	28/07/2006	FLAME RETARDANT THERMOPLASTIC COMPOSITION	DSM IP ASSETS B.V.	20/03/2009	DELHI
26	272782	9295/DELNP/20 08	29/03/2007	26/04/2006	FASTENING DEVICE •	A. RAYMOND ET CIE	12/06/2009	DELHI

42	272816	3986/DELNP/20 08	14/11/2001	16/11/2000	Method of Making Dual Chamber Sachet •	Colgate-Palmolive Company	31/10/2008	DELHI
43	272822	159/DEL/2004	04/02/2004	07/02/2003	VENTILATION ELEMENT FOR A COOLER	POLYSIUS AG	03/03/2006	DELHI
44	272823	7805/DELNP/20 10	21/04/2009	30/04/2008	METHOD OF PRODUCING PROPYLENE GLYCOL	MITSUI CHEMICALS, INC.	02/03/2012	DELHI
45	272826	730/DEL/2006	20/03/2006 12:43:53		A DEVICE FOR THE COLLECTION OF ESSENTIAL OILS FROM HYDRO-DISTILLATION OF AROMATIC PLANT MATERIALS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	24/02/2012	DELHI
46	272827	3981/DELNP/20 08	27/11/2006	28/11/2005	BENZOPYRAN COLORANTS, METHOD OF MANUFACTURE, AND METHOD OF USE	SABIC GLOBAL TECHNOLOGIES B.V.	01/08/2008	DELHI
47	272831	6276/DELNP/20 09	18/03/2008	19/03/2007	METHOD AND COMPOSITION FOR STARCH EXTRACTION AND MODIFICATION	GIANT TRADING INC.	25/06/2010	DELHI
48	272832	110/DELNP/200 3	03/07/2002	09/07/2001	METHOD OF PREPARING AMMONIUM METHOCARBONATE	LONZA INC	28/08/2009	DELHI

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	272726	2033/MUMNP/2009	01/05/2008	01/05/2007	TRUNCATED VARIANT OF THE MAMMALIAN TARGET FOR RAPAMYCIN (MTOR) PROTEIN •	LUDWIG INSTITUTE OF CANCER RESEARCH,UCL BUSINESS PLC	11/06/2010	MUMBAI
2	272727	1475/MUMNP/2011	16/12/2009	17/12/2008	CO-DOPED YSZ ELECTROLYTES FOR SOLID OXIDE FUEL CELL STACKS	SAINT-GOBAIN CERAMICS & PLASTICS, INC.	17/02/2012	MUMBAI
3	272732	1130/MUMNP/2011	02/12/2009	04/12/2008	PROCESS FOR MANUFACTURING CALCIUM CARBONATE MATERIALS HAVING A PARTICLE SURFACE WITH IMPROVED ADSORPTION PROPERTIES	OMYA INTERNATIONAL AG	02/12/2011	MUMBAI
4	272734	1734/MUM/2009	29/07/2009		HERBICIDAL COMBINATION	UPL LIMITED,	21/06/2013	MUMBAI
5	272740	1312/MUMNP/2012	09/11/2010	09/11/2010	METHOD FOR TREATING WASTE	KOMPOFERM GMBH	24/08/2012	MUMBAI
6	272746	1505/MUMNP/2010	22/01/2009	25/01/2008	PROCESS FOR PRODUCING BIOETHANOL FROM AA LIGNOCELLULOSIC MATERIAL	COMPAGNIE INDUSTRIELLE DE LA MATIERE VEGETALE CIMV	19/11/2010	MUMBAI
7	272747	112/MUMNP/2010	26/06/2008	25/06/2007	AN N-DIMENSION ADDRESSABLE MEMORY	QUALCOMM INCORPORATED	16/07/2010	MUMBAI
8	272748	1352/MUM/2006	25/08/2006		ANTIMICROBIAL DERIVATIVES OF ANACARDIC ACID AND PROCESS FOR PREPARING THE SAME	UNICHEM LABORATORIES LTD	06/03/2009	MUMBAI
9	272749	358/MUMNP/2009	16/07/2007	04/08/2006	MODIFIED ERYTHROPOIETIN •	PROLONG PHARMACEUTICALS INC.	22/05/2009	MUMBAI
10	272750	1147/MUM/2007	18/06/2007		REAR FOG LAMP ASSEMBLY WITH A MULTIFOCAL HOUSING FOR A VEHICLE	TATA MOTORS LIMITED	19/06/2009	MUMBAI

11	272754	1658/MUM/2009	17/07/2009		MULTI-STATOR AND MULTI-ROTOR INDUCTION MOTOR	SHAH PRUTHA,PATEL MEET,MULEY ASHISH	21/05/2010	MUMBAI
12	272755	1966/MUM/2006	30/11/2006		A PROCESS FRO PREPARING CRYSTALLINE IVABRADINE HYDROCHLORIDE	CADILA HEALTHCARE LIMITED	25/07/2008	MUMBAI
13	272756	1777/MUMNP/2011	22/02/2010	23/02/2009	ELECTROBLOTTING CASETTE WITH MANUALLY RELEASABLE ELECTRODES OF ADJUSTABLE SPACING	BIO-RAD	27/01/2012	MUMBAI
14	272758	365/MUMNP/2008	08/09/2006	09/09/2005	COMPOSITE BONE GRAFT SUBSTITUTE CEMENT AND ARTICLES PRODUCED THEREFROM	AGNOVOS HEALTHCARE, LLC.	07/03/2008	MUMBAI
15	272761	770/MUMNP/2011	31/07/2009	17/10/2008	METHODS OF PRESERVING HIDES	LEATHERTEQ LIMITED	10/02/2012	MUMBAI
16	272767	2190/MUM/2011	02/08/2011 15:22:57		A NANOCOCHLEATE - NANOSPHERE COMPLEX	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY	08/02/2013	MUMBAI
17	272769	212/MUM/2010	27/01/2010 14:33:49		COMPLEXED ANTIBODY- SUBSTRATE NANO- PARTICULATES FOR BINDING OF CHROMATIN FRAGMENTS	TATA MEMORIAL CENTRE	09/11/2012	MUMBAI
18	272770	253/MUMNP/2008	17/07/2006	17/07/2005	A METHOD TO EXTEND THE PHYSICAL REACH OF AN INFINIBAND NETWORK	OBSIDIAN RESEARCH CORPORATION	26/06/2009	MUMBAI
19	272775	994/MUMNP/2010	21/11/2008	23/11/2007	AGENT AND PROCESS FOR THE TANNING OF HIDES AND SKINS	MB-HOLDING GMBH & CO.KG	24/09/2010	MUMBAI
20	272776	753/MUM/2009	30/03/2009 10:58:06		FUEL FILLING SAFETY SYSTEM FOR ALTERNATE FUEL VEHICLES	TATA MOTORS LIMITED	03/12/2010	MUMBAI
21	272778	216/MUM/2010	27/01/2010 16:42:33	21/08/2009	PORTABLE ELECTRONIC DEVICE AND ANTENNA THEREOF	MEDIATEK INC.	11/11/2011	MUMBAI
22	272779	523/MUM/2007	22/03/2007 10:59:03		A METHOD FOR PREPARING A PHARMACEUTICAL PREPARATION COMPRISING FLUCONAZOLE	CLIANTHA RESEARCH LIMITED	21/11/2008	MUMBAI

23	272781	146/MUM/2012	16/01/2012 16:23:56		TRANSNASAL MICROEMULSION OF AN ANTISPASTIC AGENT	PARIKH RAJESH HARSHADRAY	16/03/2012	MUMBAI
24	272788	1426/MUM/2011	09/05/2011 14:46:37		A NUCLEIC ACID CONSTRUCT FOR GENE EXPRESSION	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY.	07/12/2012	MUMBAI
25	272799	1944/MUMNP/2008	04/10/2006	14/02/2006	METHOD AND TOOL FOR MANUFACTURING OF BUILD UP PRODUCTS	MULTICOMP AB	16/01/2009	MUMBAI
26	272803	1113/MUM/2008	26/05/2008		COMBINED MEASLES- HUMAN PAPILLOMA VACCINE FOR THERAPEUTIC AND PROPHYLACTIC USE	CADILA HEALTHCARE LIMITED	04/12/2009	MUMBAI
27	272821	2078/MUM/2007	19/10/2007		STABLE PHARMACEUTICAL COMPOSITIONS OF CALCITRIOL AND MINERAL SUPPLEMENTS	USV LIMITED	22/05/2009	MUMBAI
28	272828	1793/MUMNP/2007	08/06/2006	09/06/2005	HIGH STARCH LIGHT WEIGHT GYPSUM WALLBOARD	UNITED STATES GYPSUM COMPANY	30/11/2007	MUMBAI
29	272829	2154/MUMNP/2009	31/05/2008	31/05/2007	CLOCK AND CONTROL SIGNAL GENERATION FOR HIGH PERFORMANCE MEMORY DEVICES •	QUALCOMM INCORPORATED	14/05/2010	MUMBAI
30	272830	1177/MUM/2009	05/05/2009 12:31:56		DYNAMIC ENERGY SAVING MECHANISM FOR ACCESS POINTS •	QUALCOMM INCORPORATED	19/11/2010	MUMBAI

Seri al Nu mbe r	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	272714	2984/CHENP/2008	02/06/2006	15/12/2005	WIPER WITH DISINFECTANT SOLUTIONS	KIMBERLY-CLARK WORLDWIDE, INC	06/03/2009	CHENNAI
2	272715	5628/CHENP/2007	31/05/2006	08/07/2005	DEVICE AND METHOD FOR TRANSVERSE SEALING	TETRA LAVAL HOLDINGS & FINANCE SA	28/03/2008	CHENNAI
3	272719	2779/CHENP/2008	12/12/2006	14/12/2005	METHOD OF PRODUCING SYNTHESIS GAS	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	06/03/2009	CHENNAI
4	272722	1583/CHE/2007	20/07/2007 17:44:33		NOVEL TECHNIQUE FOR HYPERSONIC DRAG CONTROL USING HEAT ADDITION IN THE SHOCK LAYER	INDIAN INSTITUTE OF SCIENCE	11/09/2009	CHENNAI
5	272729	3272/CHE/2008	24/12/2008 16:19:36	25/12/2007	STEAM VALVE ASSEMBLY AND STEAM TURBINE PLANT	KABUSHIKI KAISHA TOSHIBA	21/08/2009	CHENNAI
6	272736	4773/CHENP/2007	24/04/2006	25/04/2005	A METHOD OF TRANSMISSION OF INFORMATION OVER A WIRELESS NETWORK	KONINKLIJKE PHILIPS ELECTRONICS N.V.	25/01/2008	CHENNAI
7	272742	5386/CHENP/2008	01/03/2007	09/03/2006	LOW-PROFILE BOARD LEVEL EMI SHIELDING AND THERMAL MANAGEMENT APPARATUS AND SPRING CLIPS FOR USE THEREWITH	LAIRD TECHNOLOGIES, INC.	20/03/2009	CHENNAI
8	272753	1643/CHENP/2008	01/09/2006	05/09/2005	A METHOD FOR CONTROLLING A MECHANICALLY COMMUTATED ELECTRIC MOTOR	IDEASSOCIATES (IOM) LTD	26/12/2008	CHENNAI
9	272757	2407/CHENP/2008	10/10/2006	19/10/2005	DEVICE FOR CHOPPING FOOD, IN PARTICULAR PIECES OF ICE	KONINKLIJKE PHILIPS ELECTRONICS N.V	06/03/2009	CHENNAI
10	272760	3219/CHENP/2007	16/12/2005	22/12/2004	ROTARY SHAVERS, WITH IMPROVED DRIVE AND SUPPORT STRUCTURE FOR THE SHAVING HEADS	KONINKLIJKE PHILIPS ELECTRONICS N.V	12/10/2007	CHENNAI

11	272762	725/CHE/2009	30/03/2009 17:09:32	01/04/2008	COMMUNICATION STATION, COMMUNICATION METHOD AND COMMUNICATION SYSTEM	CANON KABUSHI KAISHA	09/10/2009	CHENNAI
12	272765	1927/CHE/2009	13/08/2009 15:43:22		A SIMPLE PROTOCOL FOR ISOLATION OF UNDEGRADED TOTAL RNA FROM EUCALYPTUS AND CASUARINA AND cDNA SYNTHESIS FROM UNPURIFIED RNA	INSTITUTE OF FOREST GENETICS AND TREE BREEDING ,DEPARTMENT OF BIOTECHNOLOGY	18/02/2011	CHENNAI
13	272766	4939/CHENP/2008	16/02/2007	17/02/2006	BIOLOGICAL LOAD INDICATOR AND METHOD OF MEASURING BIOLOGICAL LOAD	SEKIYAMA, ATSUO	13/03/2009	CHENNAI
14	272768	3295/CHENP/2010	28/11/2008	03/12/2007	STEEL FOR FRACTURE SPLITTING TYPE CONNECTING ROD	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	26/11/2010	CHENNAI
15	272771	7419/CHENP/2009	17/07/2008	21/06/2007	JUNCTION BLEED •	TENNECO AUTOMOTIVE OPERATING COMPANY INC.	16/07/2010	CHENNAI
16	272773	5340/CHENP/2008	07/03/2007	07/03/2006	A MEHTOD-OF PRODUCING R,R- MONTAIN-A SALT OF R,R MONTAIN, OR A COMBINATION THEREOF	CARGILL, INCORPORATED	20/03/2009	CHENNAI
17	272774	1897/CHE/2008	06/08/2008 17:18:52		A PROCESS FOR THE PREPARATION OF ALCOHOL FROM DAMAGED RICE GRAINS	SIVASANKARI. S	07/10/2011	CHENNAI
18	272783	1306/CHENP/2010	29/08/2008	10/09/2007	LABELING AND PREPARATION DEVICE FOR TEST TUBES	ENERGIUM CO., LTD	31/08/2012	CHENNAI
19	272785	6722/CHENP/2009	06/06/2008	08/06/2007	A METHOD AND APPARATUS FOR OBTAINING TWO SURROUND SOUND AUDIO CHANNELS FROM TWO INPUT AUDIO SIGNALS	DOLBY LABORATORIES LICENSING CORPORATION	05/03/2010	CHENNAI
20	272786	3637/CHENP/2007	20/01/2006	21/01/2005	DISTRIBUTION DEVICE FOR TWO-PHASE CONCURRENT DOWNFLOW VESSELS	MORTEN MULLER LTD. ApS	16/11/2007	CHENNAI

21	272787	1046/CHE/2009	06/05/2009 11:26:56	10/05/2008	METHOD AND SYSTEM FOR TRANSITIONING BETWEEN RADIO ACCESS TECHNOLOGIES (RATS)	Research In Motion Limited	13/11/2009	CHENNAI
22	272792	2114/CHE/2006	15/11/2006 14:41:02		HERBAL COLA AS READY TO SERVE SOFT DRINK	RAMANAN. V.D.	28/11/2008	CHENNAI
23	272798	2215/CHENP/2008	27/10/2006	02/11/2005	METHOD AND APPARATUS FOR INITIALIZING A SECURE ELEMENT IN A WIRELESS TERMINAL	NOKIA TECHNOLOGIES OY	06/03/2009	CHENNAI
24	272801	3912/CHENP/2008	29/12/2006	27/01/2006	UNIT AND METHOD FOR MOLDING OPENING DEVICES FOR APPLICATION TO PACKAGES OF POURABLE FOOD PRODUCTS	Tetra Laval Holdings & Finance SA	13/03/2009	CHENNAI
25	272806	3262/CHENP/2007	20/01/2006	25/01/2005	CENTER HEATED DIE PLATE FOR UNDERWATER PELLETIZER	GALA INDUSTRIES, INC	16/11/2007	CHENNAI
26	272808	5863/CHENP/2007	15/05/2006	20/05/2005	IMPACT MILL	FRACTIVATOR OY	27/06/2008	CHENNAI
27	272809	6/CHE/2008	01/01/2008		DUAL POLARIZED ANTENNA WITH MULTILEVEL HYBRID BEAM FORMING NETWORK	INDIAN SPACE RESEARCH ORGANISATION	19/04/2013	CHENNAI
28	272812	1229/CHENP/2009	30/08/2007	04/09/2006	SEALING STRUCTURE FOR FLUID PRESSURE DEVICE	SMC KABUSHIKI KAISHA	26/06/2009	CHENNAI
29	272817	5343/CHENP/2008	26/03/2007	06/04/2006	PRESS MACHINE, CONTROL APPARATUS AND CONTROL METHOD OF PRESS MACHINE	IHI CORPORATION	20/03/2009	CHENNAI
30	272824	5621/CHENP/2007	02/06/2006	06/06/2005	POLYPEPTIDES HAVING ANTIMICROBIAL ACTIVITY	NOVOZYMES Adenium Biotech A/S	28/03/2008	CHENNAI
31	272825	1441/CHE/2009	18/06/2009 16:40:43	19/06/2008	DRIVE CIRCUIT AND METHOD FOR INVERTERS OF WIND ENERGY INSTALLATIONS	Senvion GMBH	04/06/2010	CHENNAI
32	272833	2250/CHENP/2007	24/11/2005	25/11/2004	METHOD AND APPARATUS FOR THICKENING LIME MUD IN A DISC FILTER	ANDRITZ OY	07/09/2007	CHENNAI
33	272834	3150/CHENP/2008	21/11/2006	21/11/2005	METHOD AND APPARATUS FOR TREATING LIME MUD	ANDRITZ OY	06/03/2009	CHENNAI

Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	272723	4435/KOLNP/2007	28/04/2006	04/05/2005	PLASMA BOOSTER FOR A PLASMA TREATMENT INSTALLATION	OERLIKON TRADING AG, TRUBBACH	25/01/2008	KOLKATA
2	272730	2814/KOLNP/2009	29/12/2008	27/12/2007	AOC METHOD, SYSTEM AND MOBILE TERMINAL	HUAWEI TECHNOLOGIES CO., LTD.	11/09/2009	KOLKATA
3	272735	495/KOLNP/2011	04/08/2009	05/08/2008	VACUUM TREATMENT APPARATUS AND VACUUM TREATMENT METHOD	ULVAC, INC.	15/04/2011	KOLKATA
4	272737	2713/KOLNP/2009	06/02/2008	06/02/2007	A METHOD FOR PRODUCING A SOLID LIGAND-MODIFIED POLY OXO-HYDROXY METAL ION MATERIAL	MEDICAL RESEARCH COUNCIL	13/11/2009	KOLKATA
5	272784	994/KOLNP/2011	26/10/2009	27/10/2008	EXTRUSION BLOWN MOLDED BOTTLES WITH HIGH STIFFNESS AND TRANSPARENCY	BOREALIS AG	25/11/2011	KOLKATA
6	272791	518/KOLNP/2009	10/07/2007	11/07/2006	METHODS OF SYNTHESIS AND/OR PURIFICATION OF DIAMINOPHENOTHI AZINIUM COMPOUNDS	WISTA LABORATORIES LTD.	15/05/2009	KOLKATA
7	272796	3579/KOLNP/2009	20/03/2008	20/04/2007	A Method For Flocculating and Reducing a concentration of desilication product suspended in a BAYER PROCESS Stream	CYTEC TECHNOLOGY CORP.	01/01/2010	KOLKATA
8	272797	1664/KOLNP/2007	10/10/2005	09/11/2004	OPHTHALMIC EMULSIONS CONTAINING AN IMMUNOSUPPRESSI VE AGENT	SANTEN SAS	27/07/2007	KOLKATA

9	272818	1506/KOLNP/2006	03/11/2004	04/11/2003	A STAINLESS STEEL STRIP COATED WITH A METALLIC LAYER	SANDVIK INTELLECTUAL PROPERTY AB	04/05/2007	KOLKATA
10	272819	3606/KOLNP/2007	31/03/2006	01/04/2005	MINERAL WOOL, INSULATING PRODUCT AND PRODUCTION METHOD	SAINT-GOBAIN ISOVER	30/05/2008	KOLKATA
11	272820	2728/KOLNP/2007	06/02/2006	04/02/2005	A PROCESS FOR THE PRODUCTION OF A TABLET	GRUNENTHAL GMBH	31/08/2007	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.

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SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	200271	27.04.2016
2.	202117	01.04.2016
3.	202118	01.04.2016
4.	202222	07.04.2016
5.	202332	07.04.2016
6.	202383	01.04.2016
7.	202564	07.04.2016
8.	202632	28.03.2016

# THE DESIGNS ACT, 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of OERLIKON TEXTILE GMBH & CO. KG registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
213348	15-06	SAURER GERMANY GMBH & CO. KG OF
		LEVERKUSER STRASSE
		65, 42897 REMSCHEID, GERMANY, GERMAN
		COMPANY

# THE DESIGNS ACT, 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of RITA INDUSTRIES registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
227813	06-01	RITA INTERNATIONAL A REGISTERED PARTNERSHIP FIRM OF 305 E, SHYAM KAMAL BUILDING, OPP. RAILWAY STATION, VILE PARLE EAST, MUMBAI-400 057, INDIA, INDIAN COMPANY
		REPRESENTED BY ITS PARTNER DEVEN U SHAH AN INDIAN NATIONAL

# THE DESIGNS ACT, 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of RITA INDUSTRIES registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
227337	06-01	RITA INTERNATIONAL A REGISTERED PARTNERSHIP FIRM OF 305 E, SHYAM KAMAL BUILDING, OPP. RAILWAY STATION, VILE PARLE EAST, MUMBAI-400 057, INDIA, INDIAN COMPANY REPRESENTED BY ITS
		PARTNER DEVEN U SHAH AN INDIAN NATIONAL

# THE DESIGNS ACT, 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of EQUES SEALS PRIVATE LIMITED registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
272464	08-07	SECURE SEALS (INDIA)
		PRIVATE LIMITED, A
		COMPANY
		INCORPORATED
		UNDER THE INDIAN
		COMPANIES ACT, AT
		111, VIHAR ESTATE,
		OFF. SAKI VIHAR
		ROAD, ANDHERI-EAST,
		MUMBAI-400 072,
		MAHARASHTRA, INDIA

# **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		266481				
CLASS		15-99				
ORGANIZED AND EXISTING OF AMERICA OF	UND	ING COMPANY, A COMPANY DULY UNDER THE LAWS OF UNITED STATES  T, PELLA, IOWA 50219-0200, UNITED		s		
DATE OF REGISTRATION		08/1	10/2014		A.	THE THE
TITLE	N	OUNTING BLO ELE	OCK FOR MENTS	REDUCING		
PRIORITY						
PRIORITY NUMBER		DATE	COU	NTRY		
29/487,832		11/04/2014	U.S.A	Α.		War and the same of the same o
DESIGN NUMBER			2780	36		
CLASS		07-02				
		O., LTD., A KOREAN COMPANY, GTONG-GU, SUWON-SI, GYEONGGI-DO, 02/12/2015			O, 443-	
TITLE		MICROWAVE OVEN				
PRIORITY						
PRIORITY NUMBER		DATE COUNTRY				
30-2015-0034690		09/07/2015	KORE	A(SOUTH)		
DESIGN NUMBER		270894				
CLASS		11-01		400		
WHOSE ADDRESS IS	EK BI	BUILDING, OPP MAA ASHAPURA DT-360001, GUJARAT, INDIA		1		
DATE OF REGISTRATION		01/04/2015				
TITLE		PENDANT AND EARRING SET		1950		
PRIORITY NA						

DESIGN NUMBER	272448	
CLASS	15-03	

# 1)NEETHALA MITTU, APPLICANT, AN INDIAN BY NATIONALITY RESIDING AT

39/1 MARIAPPA KONAR STREET, OPP TO ARASAN THEATRE, SHARADA MILL ROAD, PODANUR, COIMBATORE-641023, (TAMIL NADU)INDIA

DATE OF REGISTRATION	01/06/2015
TITLE	AQUATIC WEEDS REMOVING MACHINE



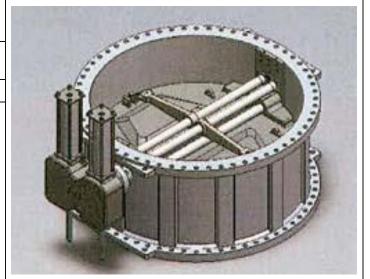
#### PRIORITY NA

DESIGN NUMBER	273536
CLASS	08-05

# 1)FLOVEL VALVES PVT LTD

FLOVEL VALVES PVT LTD 1201, GIDC, VITTHAL UDYOGNAGAR-388121, ANAND, GUJART, INDIA

DATE OF REGISTRATION	13/07/2015
TITLE	DUAL PLATE CHECK VALVE



# PRIORITY NA

DESIGN NUMBER	263958
CLASS	10-02
1)SPICE RETAIL LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS	

CORPORATE OFFICE AT
19A & 19B, SECTOR 125, NOIDA, UTTAR
PRADESH

DATE OF REGISTRATION	10/07/2014
TITLE	WATCH
PRIORITY NA	



DESIGN NUMBER	278268
CLASS	09-01

# 1)PRABHAKAR S. SHINDE (PROPRIETOR) TRADING AS JYOTI CHEMICALS (A PROPRIETOR FIRM),

PLOT NO-B-43/1, B-43/2, MIDC AMBAD NASIK-422010 MAHARASHTRA, INDIA

DATE OF REGISTRATION	10/12/2015	
TITLE	PACAGING BOTTLE	



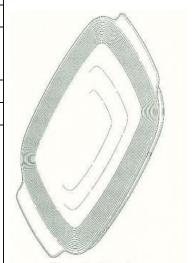
#### PRIORITY NA

DESIGN NUMBER	264663
CLASS	07-02

# 1) DART INDUSTRIES INC., A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

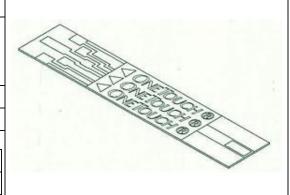
DATE OF REGISTRATION	11/08/2014	
TITLE	COVER FOR A MICROWAVE CONTAINER	



П	- MOMIT		
	PRIORITY NUMBER	DATE	COUNTRY
	29/485,563	20/03/2014	U.S.A.

DESIGN NUMBER	272446
CLASS	24-02
1)LIFESCAN SCOTLAND LIMITED, A COMPANY ORGANIZED UNDER THE LAWS OF THE UNITED KINGDOM, OF BEECHWOOD PARK NORTH, INVERNESS, INVERNESS-SHIRE, IV2 3ED, UNITED KINGDOM	
DATE OF REGISTRATION	01/06/2015

ANALYTE TEST STRIP	
DATE	COUNTRY
02/12/2014	U.S.A.
_	ATE



DESIGN NUMBER	273575
CLASS	08-05

1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

DATE OF REGISTRATION	15/07/2015
TITLE	SPINNERET



#### PRIORITY NA

DESIGN NUMBER	272169
CLASS	06-03
CLASS	06-03

#### 1)MR. HARDIK HARESH GANDHI

HARDIK HARESH GANDHI, DESIGNGANDHI, GC-8, KARMSTAMBH COMPLEX, OPP. PAPER-MILL COMPOUND, NEAR HOME TOWN, L.B.S. ROAD, VIKHROLI (W), MUMBAI - 400 083, MAHARASHTRA

DATE OF REGISTRATION	15/05/2015
TITLE	TABLES



#### PRIORITY NA

DESIGN NUMBER	270895
CLASS	11-01

# 1)MR. JIGNESH RAMESHBHAI SHAH; AN INDIAN NATIONAL WHOSE ADDRESS IS

3RD FLOOR, PANNA MANEK BUILDING, OPP MAA ASHAPURA TEMPLE, PALACE ROAD, RAJKOT-360001, GUJARAT, INDIA

DATE OF REGISTRATION	01/04/2015
TITLE	PENDANT AND EARRING SET



DESIGN NUMBER		273251	
CLASS		24-02	
1)POLY MEDICURE LIM PLOT NO. 105, SECTOR HARYANA - 121 004, INDIA	59, HSIIDC INDUS	TRIAL AREA, FARIDABAD,	
DATE OF REGISTRATION	N	01/07/2015	
TITLE	INTRA	VENOUS CATHETER APPARATU: WITH STOPCOCK	S
PRIORITY NA			4
DESIGN NUMBER		269739	
CLASS		05-05	
1)SIDDHI VINAYAK KNO UNDER THE PROVISION REGISTERED OFFICE AT A-26, CENTRAL PARK, GIL	OF COMPANIES A	,	RED
DATE OF REGISTRATION	N	23/02/2015	
TITLE		TEXTILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		278139	
CLASS		09-01	The second second
1)CJ CHEILJEDANG CO (SSANGNIM-DONG) 330 KOREA		<b>ORPORATION, OF</b> NG-GU, SEOUL 04560 REPUBLIC	OF
DATE OF REGISTRATION	N	07/12/2015	
TITLE	СО	NTAINER FOR FOOD PACKING	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	- 100 Miles (1994)
30-2015-0036297	17/07/2015	REPUBLIC OF KOREA	

DESIGN NUMBER	26	54830	
CLASS	2	23-02	
1)M/S EASY TOILET CLEAR GAGE LOGO, HOCKEY STAD GWALIOR-474002 (M.P.) THROUGH ITS SOLE PROPI S/O LATE SHRI DHANI RAM D	<b>IUM, TANSEN RO</b> A RIETOR SHRI KAMA	AD, NEAR GUMMET, AL KANT DHANUK	
DATE OF REGISTRATION	18/0	08/2014	
TITLE	TOILET	CLEANER	
PRIORITY NA			
DESIGN NUMBER		272820	
CLASS		14-01	
1)SAMSUNG ELECTRONICS OF 129, SAMSUNG-RO, YEC REPUBLIC OF KOREA	OCO., LTD., A KOR ONGTONG-GU, SUW	ON-SI, GYEONGGI-DO, 443	-742
DATE OF REGISTRATION		17/06/2015	
<b>FITLE</b>		SPEAKER	
PRIORITY PRIORITY NUMBER	DATE	COUNTRY	
	DATE 31/12/2014	COUNTRY KOREA(SOUTH)	
PRIORITY NUMBER			
PRIORITY NUMBER 30-2014-0064546  DESIGN NUMBER			
PRIORITY NUMBER 30-2014-0064546  DESIGN NUMBER CLASS	31/12/2014	KOREA(SOUTH)	
PRIORITY NUMBER 30-2014-0064546  DESIGN NUMBER	31/12/2014 N COMPANY OF	272258 09-07	
PRIORITY NUMBER  30-2014-0064546  DESIGN NUMBER  CLASS  1)HSIL LIMITED, AN INDIA  2, RED CROSS PLACE, KOL	31/12/2014 N COMPANY OF	272258 09-07	
PRIORITY NUMBER 30-2014-0064546  DESIGN NUMBER CLASS 1)HSIL LIMITED, AN INDIA	31/12/2014 N COMPANY OF	KOREA(SOUTH)  272258  09-07  T BENGAL, INDIA	
PRIORITY NUMBER 30-2014-0064546  DESIGN NUMBER CLASS  1)HSIL LIMITED, AN INDIA 2, RED CROSS PLACE, KOL DATE OF REGISTRATION	31/12/2014 N COMPANY OF	272258 09-07 T BENGAL, INDIA 21/05/2015	

PRIORITY NUMBER	DATE	COUNTRY
402014002473.8	28/11/2014	GERMANY



DESIGN NUMBER	278327
CLASS	12-11

# 1)PIAGGIO & C. S.P.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY,

OF VIALE RINALDO PIAGGIO, 25-56025 PONTEDERA (PISA-ITALY)

DATE OF REGISTRATION	14/12/2015
TITLE	MOTOR SCOOTER



PRIORITY NUMBER	DATE	COUNTRY
002739110	17/07/2015	OHIM

			D	No.
3	The sales		The state of	\
\$			R	2
4	AE	2)	195	77
1	1/2		7(1)	)))
	2) [		1	<u> </u>

DESIGN NUMBER	272714
CLASS	13-03

# 1)HAVELLS INDIA LIMITED

1,RAJ NARAIN MARG, CIVIL LINES, DELHI-110054, INDIA,

,	, ,
DATE OF REGISTRATION	12/06/2015
TITLE	BED SWITCH



# PRIORITY NA

DESIGN NUMBER	266824
CLASS	23-04

1)SYMPHONY LIMITED (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PLACE OF BUSINESS AT "SAUMYA", BAKERI CIRCLE, NAVRANGPURA, AHMEDABAD-380014 (GUJARAT) INDIA

DATE OF REGISTRATION	20/10/2014
TITLE	AIR COOLER



DESIGN NUMBER 268099
CLASS 10-04

1)FREEMANS MEASURES PRIVATE LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956, NATIONALITY-INDIAN COMPANY, ADDRESS -

G. T. ROAD, JUGIANA, LUDHIANA- 141420, PUNJAB

DATE OF REGISTRATION	10/12/2014	
TITLE	MEASURING TAPE	



#### PRIORITY NA

DESIGN NUMBER		270156		
CLASS		12-08		
1)HYVA MECHANICS (CHINA) CO. LTD. OF NO. 9 HYVA ROAD, GUANGLING INDUSTRIAL PARK, YANGZHOU JIANGSU PROVINCE 225006, CHINA				
DATE OF REGISTRATION		05/03/2015		
TITLE	LOA	LOADING ASSEMBLY FOR GARBAGE TRUCK		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
002532549		05/09/2014	OHIM	

RIORIT I NOMBER		DATE	COUNTRI
002532549		05/09/2014	OHIM
DESIGN NUMBER		273814	
CLASS		08-09	
1)AJNI INDUSTRIES PVT. LTD. (A COMPANY			

INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

PLOT NO. 20 TO 26, GUJARAT INDUSTRIAL ESTATE, NEAR PVR CINEMA, CHHANI ROAD, NAVAYARD, VADODARA PIN: 390002, GUJARAT-INDIA

DATE OF REGISTRATION	22/07/2015	
TITLE	ALUMINUM PROFILE	
PRIORITY NA		



DESIGN NUMBER	273478	
CLASS	31-00	

#### 1)CHIRAG GOPALBHAI CHHATRALA

11, SHREE RAM ESTATE, OPP. SHAH ALLOYS LTD, SANTEJ-KHATRAJ ROAD, SANTEJ, TA.-KALOL, DIST.- GANDHINAGAR, INDIAN

DATE OF REGISTRATION	09/07/2015	
TITLE	CASHEW NUT SHELLING MACHINE	



### PRIORITY NA

DESIGN NUMBER	268823	
CLASS	23-01	

1)NIRAJ HARESHBHAI CHHAPIA AN INDIAN NATIONAL AND RESIDING AT OPP. S.T. BUS STATION, KAILASHNAGAR-4, "SHIVRANJANI" •, JAMNAGAR-361005 GUJARAT (INDIA)

` /		
DATE OF REGISTRATION	13/01/2015	
TITLE	VALVE	



# PRIORITY NA

DESIGN NUMBER	R 272420	
CLASS	13-03	

# 1)LIGHT & SHADE ELECTRICALS PVT. LTD.,

"LUTHRIA HOUSE", GALA NO. 1, 11, 14 SATIVALI MAIN ROAD, SATIVALI, VASAI (E), DIST: THANE, STATE OF MAHARASHTRA INDIA, / A PRIVATE LIMITED COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, ABOVE ADDRESS

DATE OF REGISTRATION	29/05/2015	
TITLE	ELECTRICAL COVER PLATE	
PRIORITY NA		



 DESIGN NUMBER
 273202

 CLASS
 26-06

# 1)SUZUKI MOTOR CORPORATION, A JAPANESE CORPORATION OF

300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-PREF., JAPAN

DATE OF REGISTRATION	30/06/2015	
TITLE	REAR COMBINATION LAMPS FOR AUTOMOBILES	



PRIORITY NUMBER	DATE	COUNTRY
2015-002669	11/02/2015	JAPAN

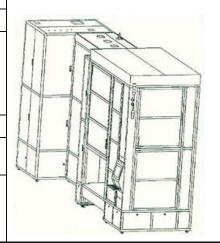


DESIGN NUMBER	272065
CLASS	15-09

# 1)S. C. NEW ENERGY TECHNOLOGY CORPORATION; A LIMITED LIABILITY COMPANY INCORPORATED UNDER THE LAWS OF CHINA,

FLOOR 1, 2, 4, 5, BUILDING D AND FLOOR 1, 2, BUILDING E, YONGXIN INDUSTRIAL PARK, #89 HENGPING ROAD, HENGGANG STREET, LONGGANG DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, 518115, CHINA

DATE OF REGISTRATION	12/05/2015
TITLE	PLASMA-ENHANCED CHEMICAL VAPOR DEPOSITION APPARATUS



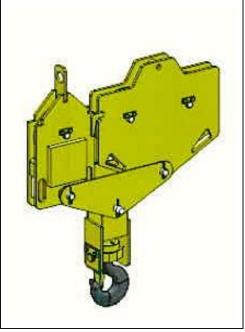
### PRIORITY NA

DESIGN NUMBER	272638
CLASS	12-05
1)ACTION CONSTRUCTION FOUIDMENT LTD	

#### 1)ACTION CONSTRUCTION EQUIPMENT LTD.,

OF DHUDHOLLA LINK ROAD, VILLAGE DHUDHOLLA, PALWAL, HARYANA-121102, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	09/06/2015
TITLE	HOOK ASSEMBLY OF CRANE

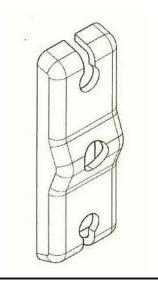


DESIGN NUMBER	266361
CLASS	12-16

# 1) TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2014
TITLE	PARKING BRAKE CABLE EQUALIZER OF A VEHICLE



#### PRIORITY NA

DESIGN NUMBER	266786
CLASS	15-03

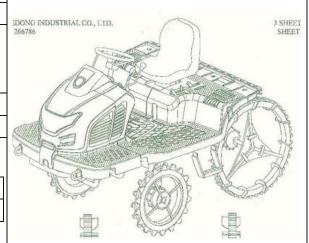
# 1)DAEDONG INDUSTRIAL CO., LTD.,

35, NONGONGJUNGANG-RO 34-GIL, NOOGONG-EUP, DALSUNG-GUN, DAEGU 711-852, REPUBLIC OF KOREA, NATIONALITY: REPUBLIC OF KOREA

DATE OF REGISTRATION	17/10/2014
TITLE	RICE-PLANTING MACHINE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2014-0019851	18/04/2014	REPUBLIC OF KOREA



DESIGN NUMBER	268933	
CLASS	23-01	
1) A NI DOLVMEDO DDIVATE I IMITED INDIA A COMPANY		

# 1)A. N. POLYMERS PRIVATE LIMITED, INDIA. A COMPANY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956 AT

A-54, NARAINA INDUSTRIAL AREA, PHASE-1, NEW DELHI-110028 (INDIA)

DATE OF REGISTRATION	19/01/2015
TITLE	WATER PURIFIER

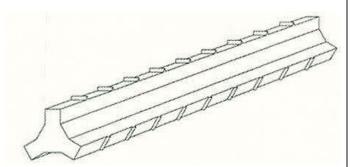


DESIGN NUMBER	277664
CLASS	25-01
1)RANUJENDU HALDER (AN INDIAN NATIONAL) OF	

1)RANUJENDU HALDER (AN INDIAN NATIONAL) OF VILL: KHARO, PO: KUMRA KASHIPUR, PS: HABRA, DIST:

24 PGS (N), PIN: 743271, WEST BENGAL, INDIA

DATE OF REGISTRATION	19/11/2015
TITLE	TMT BAR



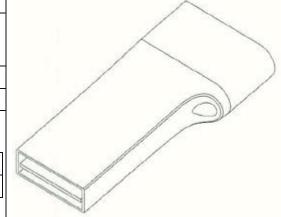
PRIORITY NA

DESIGN NUMBER 278142	
CLASS 14-02	

1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY, OF 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-

DO, 443-742 REPUBLIC OF KOREA

DATE OF REGISTRATION	07/12/2015
TITLE	USB MEMORY



**PRIORITY** 

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0030823	18/06/2015	KOREA(SOUTH)

DESIGN NUMBER	273090
CLASS	09-03

1)K. SAYAJI RAO (DIRECTOR) & K. SATISH RAO (DIRECTOR) ARE INDIAN TRADING AS INNOVATIVE TECH PACK LIMITED (THIS COMPANY IS INCORPORATED UNDER THE COMPANIES ACT) WHOSE ADDRESS IS

1109-1110, CHIRANJEEV TOWER, 43, NEHRU PLACE, NEW DELHI-110019, INDIA

DATE OF REGISTRATION	25/06/2015
TITLE	JAR

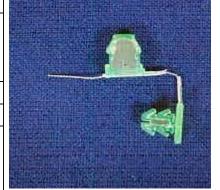


DESIGN NUMBER	271679
CLASS	08-07

### 1)SUNILBHAI TRIKAMLAL PANCHAL, HAVING NATIONALITY INDIAN, SOLE PROPRIETOR OF SHREEJI INDUSTRIES,

23, MADHURAM COMPLEX, SUBHASHBRIDGE, AHMEDABAD-380027, GUJARAT, INDIA, AN INDIAN SOLE PROPRIETARY CONCERN

DATE OF REGISTRATION	24/04/2015
TITLE	SEAL



#### PRIORITY NA

DESIGN NUMBER	264844
CLASS	07-02

# 1) CITIZEN INDUSTRIES, D-38, SECTOR-A, 5/6, TRONICA CITY, LONI, GHAZIABAD, U.P., INDIA

(AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:-SH. YOGESH CHAWLA AN INDIAN NATIONAL OF THE ABOVE **ADDRESS** 

DATE OF REGISTRATION	19/08/2014
TITLE	PRESSURE COOKER



#### PRIORITY NA

DESIGN NUMBER	273799
CLASS	09-03
1)MYSTICAL TECHNOPLAST PVT. LTD.	

OF PLOT NO- A.2, ROAD NO-2, WAGLE-IND ESTATE, THANE (WEST), MAHARASHTRA, INDIA, INDIAN COMPANY

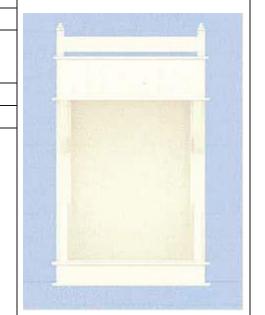
DATE OF REGISTRATION	22/07/2015
TITLE	CONTAINER



DESIGN NUMBER	272831
CLASS	06-04

1)VIKAS PURUSHOTTAM GUJALWAR, HAVING ITS ADDRESS AT PLOT NUMBER 18/19, GANGADEEP SOCIETY, NEAR D.ED COLLEGE, SWARAJ NAGAR ROAD, MANEWADA, NAGPUR-440027

DATE OF REGISTRATION	18/06/2015
TITLE	FURNITURE



#### PRIORITY NA

DESIGN NUMBER	267717
CLASS	09-03
1) A DA D INDUSTRIES I IMITED AN INDIAN COMPANY INCORPODATED	

1)APAR INDUSTRIES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING ITS OFFICE AT

APAR HOUSE, CORPORATE PARK, SION TROMBAY ROAD, CHEMBUR, MUMBAI-400071, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/11/2014
TITLE	CONTAINER



#### PRIORITY NA

DESIGN NUMBER	270281
CLASS	03-01

1)HIDESIGN INDIA PRIVATE LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

244/1 OTHIAMPET VILLAGE, VILLIANUR, PONDICHERRY-605110

DATE OF REGISTRATION	11/03/2015
TITLE	BAG

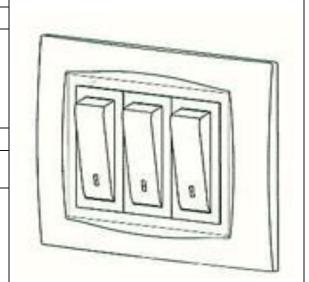


DESIGN NUMBER	263298
CLASS	13-03

1)LEGRAND FRANCE 128 AVENUE DU MARÉCHAL DE LATTRE-DE-TASSIGNY, 87000 LIMOGES - FRANCE, A FRENCH COMPANY AND

LEGRAND SNC, 128 AVENUE DU MARÉCHAL DE LATTRE DE TASSIGNY, 87000 LIMOGES - FRANCE, A GENERAL PARTNERSHIP FRENCH COMPANY

DATE OF REGISTRATION	12/06/2014
TITLE	COVER PLATE WITH BUTTONS FOR ELECTRIC APPARATUS



### PRIORITY NA

DESIGN NUMBER	264342
CLASS	07-02

1)MAYA APPLIANCES PVT. LTD REPRESENTED BY T. T. VARADARAJAN HAVING REGISTERED OFFICE AT

NO:3/140, IT HIGHWAY, OGGIAM, THORAIPAKKAM, CHENNAI-97, TAMILNADU, INDIA

DATE OF REGISTRATION	30/07/2014
TITLE	COOKING STOVE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	273103
CLASS	09-03

#### 1)VIGYAPAN JEE,

13/236, MANIC CHOWK, HOLIWALA KUA, ALIGARH-202001, U.P., INDIA (AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:-SH. MANOJ KUMAR AN INDIAN NATIONAL OF THE ABOVE ADDRESS

DATE OF REGISTRATION	25/06/2015
TITLE	PACKAGING BOX



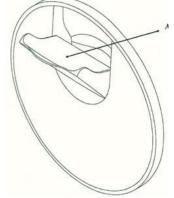
PRIORITY NA	
TITLE	ALUMINUM PROFILE
DATE OF REGISTRATION	22/07/2015
UNDER THE COMPANIES AC OF BUSINESS AT ADDRESS: PLOT NO. 20 TO 26, GUJARA	TD. (A COMPANY INCORPORATED T, 1956) HAVING ITS PRINCIPAL PLACE AT INDUSTRIAL ESTATE, NEAR PVR AYARD, VADODARA PIN: 390002,
CLASS	08-09
DESIGN NUMBER	273820



DESIGN NUMBER	273975
CLASS	15-05
1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY,	

OF 129, SAMSUNG-RO, YEONGTONG-GU; SUWON-SI, GYEONGGI-DO 16677, REPUBLIC OF KOREA

DATE OF REGISTRATION	29/07/2015
TITLE	DOOR FOR WASHING MACHINE



# **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0022216	29/04/2015	REPUBLIC OF KOREA

DESIGN NUMBER	270279
CLASS	03-01

1)HIDESIGN INDIA PRIVATE LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

244/1 OTHIAMPET VILLAGE, VILLIANUR, PONDICHERRY-605110

DATE OF REGISTRATION	11/03/2015
TITLE	BAG



DESIGN NUMBER	263296
CLASS	13-03

1)LEGRAND FRANCE 128 AVENUE DU MARÉCHAL DE LATTRE-DE-TASSIGNY, 87000 LIMOGES - FRANCE, A FRENCH COMPANY AND

LEGRAND SNC, 128 AVENUE DU MARÉCHAL DE LATTRE DE TASSIGNY, 87000 LIMOGES - FRANCE, A GENERAL PARTNERSHIP FRENCH COMPANY

DATE OF REGISTRATION	12/06/2014
TITLE	COVER PLATE FOR ELECTRIC APPARATUS



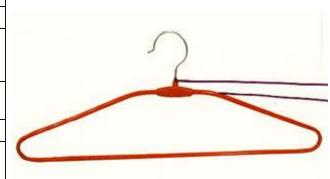
#### PRIORITY NA

DESIGN NUMBER	271817
CLASS	06-08
1)MOHD SOHRAR WHOSE ADDRESS IS	

1)MOHD. SOHRAB WHOSE ADDRESS IS

1934, BASTI JULAHAN, IDGAH ROAD, SADAR BAZAR, DELHI-110006 AN INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	30/04/2015
TITLE	CLOTHES HANGERS



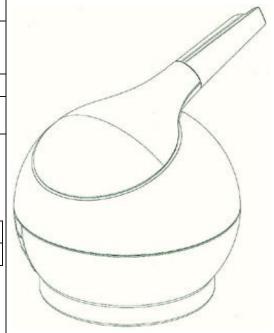
# PRIORITY NA

DESIGN NUMBER	264994
CLASS	24-02
1)IIADELLA OV	

#### 1)HAPELLA OY,

LOUNAJANTIE 4, 74700 KIURUVESI, FINLAND, NATIONALITY: FINLAND

DATE OF REGISTRATION	22/08/2014
TITLE	MEDICAL INSTRUMENT USED VFOR RESPIRATORY THERAPY



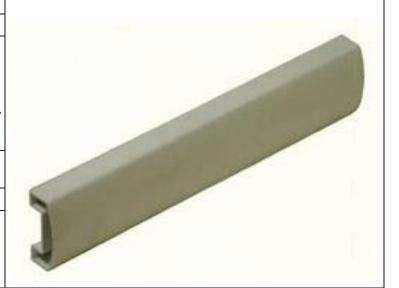
PRIORITY NUMBER	DATE	COUNTRY
2412015-0001	25/02/2014	OHIM

DESIGN NUMBER	273818
CLASS	08-09

1)AJNI INDUSTRIES PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

PLOT NO. 20 TO 26, GUJARAT INDUSTRIAL ESTATE, NEAR PVR CINEMA, CHHANI ROAD, NAVAYARD, VADODARA PIN: 390002, GUJARAT-INDIA

DATE OF REGISTRATION	22/07/2015
TITLE	ALUMINUM PROFILE



#### PRIORITY NA

DESIGN NUMBER	267147
CLASS	12-05
1)ESCORTS LIMITED, OF	

15/5, KM, MATHURA ROAD, FARIDABAD-121003, HARYANA, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	31/10/2014
TITLE	PICK & CARRY CRANE

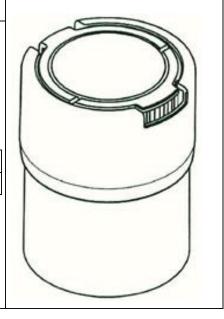


# PRIORITY NA

DESIGN NUMBER	272259
CLASS 09-07	
1)HSIL LIMITED, AN INDIAN COMPANY OF 2, RED CROSS PLACE, KOLKATA-700001, WEST BENGAL, INDIA	
DATE OF REGISTRATION 21/05/2015	

DATE OF REGISTRATION	21/05/2015	
TITLE	BOTTLE CAPS	

П	IMOMIII		
	PRIORITY NUMBER	DATE	COUNTRY
	402014002554.8	05/12/2014	GERMANY



DESIGN NUMBER	278328
CLASS	12-11

# 1)PIAGGIO & C. S.P.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY,

OF VIALE RINALDO PIAGGIO, 25-56025 PONTEDERA (PISA-ITALY)

DATE OF REGISTRATION	14/12/2015	
TITLE	MOTOR SCOOTER	



PRIORITY NUMBER	DATE	COUNTRY
002739110	17/07/2015	OHIM



DESIGN NUMBER	272947
CLASS	12-11

1)M/S SONA ENGINEERING CORPORATION, JAIN COLONY, MOTI NAGAR, SHERPUR, LUDHIANA-141010 (PUNJAB) INDIA AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:-SNEH LATA BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

TITLE HUB FOR BICYCLE	DATE OF REGISTRATION	22/06/2015
	TITLE	HUB FOR BICYCLE

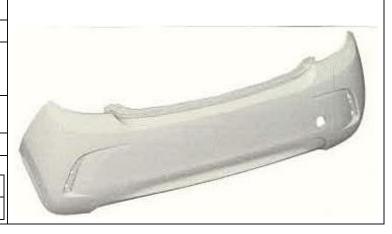


DESIGN NUMBER	272754
CLASS	12-16

1)GM GLOBAL TECHNOLOGY OPERATIONS LLC 300 RENAISSANCE CENTER, DETROIT, MICHIGAN 48265-3000, U.S.A.

DATE OF REGISTRATION	15/06/2015	
TITLE	REAR BUMPER OF CAR	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
30-2014-0061928	18/12/2014	KOREA(SOUTH)





DESIGN NUMBER	273704
CLASS	14-02

# 1)MICROSOFT CORPORATION, (A CORPORATION OF THE STATE OF WASHINGTON) OF

ONE MICROSOFT WAY, REDMOND, WA 98052, U.S.A., AMERICAN COMPANY

DATE OF REGISTRATION	20/07/2015
TITLE	HEADSET WITH VISOR



PRIORITY NUMBER	DATE	COUNTRY
29/515,200	20/01/2015	U.S.A.

DESIGN NUMBER	272766
CLASS	26-05



1,RAJ NARAIN MARG, CIVIL LINES,DELHI-110054, INDIA

DATE OF REGISTRATION	16/06/2015
TITLE	LUMINAIRE

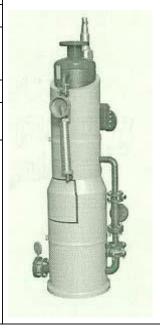


#### PRIORITY NA

DESIGN NUMBER	274594
CLASS	15-02
1)FORBES MARSHALL PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT,	

AT A34/35 H BLOCK, MIDC, PIMPRI, PUNE-411018, MAHARASHTRA, INDIA

AT A34/33 IT BLOCK, MIDC, FIMILKI, FUNE-411016, MAHAKASHTKA, INDIA	
DATE OF REGISTRATION 18/08/2015	
TITLE	PUMP FOR RECOVERING FLASH STEAM AND CONDENSATE



DESIGN NUMBER	278123
CLASS	14-03

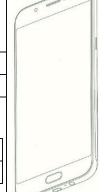
#### 1)SAMSUNG ELECTRONICS CO., LTD.

129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF KOREA, A COMPANY OF REPUBLIC OF KOREA

DATE OF REGISTRATION	04/12/2015
TITLE	MOBILE DEVICE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0030973	19/06/2015	REPUBLIC OF KOREA

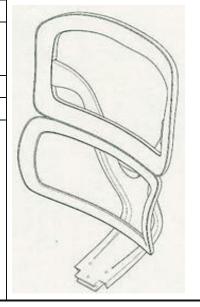


DESIGN NUMBER	272995
CLASS	06-06

# 1)ZHONGSHAN SHI SONGLIN FURNITURE CO., LTD

B BLOCK, JINLI INDUSTRIAL ZONE, SANXING ROAD, SALANG VILLAGE, SANJIAO TOWN, ZHONGSHAN CITY, GUANGDONG PROV., CHINA 528400

DATE OF REGISTRATION	23/06/2015
TITLE	CHAIR BACK FRAME



# PRIORITY NA

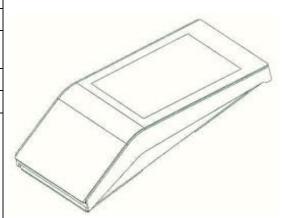
DESIGN NUMBER	264812
CLASS	14-99

# 1)INVENTIO AG, A SWISS COMPANY OF

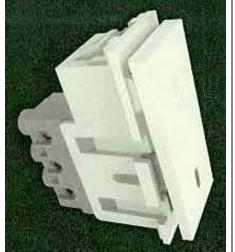
POSTFACH, 6052 HERGISWIL, SWITZERLAND

DATE OF REGISTRATION	18/08/2014
TITLE	OPERATING PANEL

PRIORITY NUMBER	DATE	COUNTRY
140651	01/04/2014	SWITZERLAND



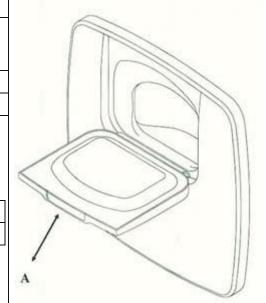
DESIGN NUMBER	272785	
CLASS	13-03	
1)HAVELLS INDIA LIMITED 1, RAJ NARAIN MARG, CIVIL LINES, DELHI-110054, INDIA		
DATE OF REGISTRATION 16/06/2015		
TITLE	SWITCH	
_		



# PRIORITY NA

DESIGN NUMBER	273981
CLASS 15-05	
1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY, OF 129, SAMSUNG-RO, YEONGTONG-GU; SUWON-SI, GYEONGGI-DO 16677, REPUBLIC OF KOREA	
DATE OF REGISTRATION	29/07/2015

DATE OF REGISTRATION	29/07/2015
TITLE	DOOR FOR WASHING MACHINE



# **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0022237	29/04/2015	REPUBLIC OF KOREA

DESIGN NUMBER	267719
CLASS	09-03
1) A DA D INDUSTRIES I IMITED AN INDIAN COMPANY INCORDODATED	

# 1)APAR INDUSTRIES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING ITS OFFICE AT

APAR HOUSE, CORPORATE PARK, SION TROMBAY ROAD, CHEMBUR, MUMBAI-400071, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/11/2014
TITLE	CONTAINER



DESIGN NUMBER	270287
CLASS	03-01

# 1)HIDESIGN INDIA PRIVATE LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

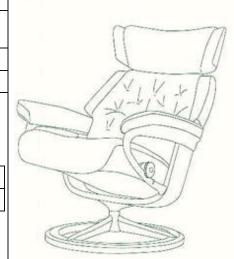
244/1 OTHIAMPET VILLAGE, VILLIANUR, PONDICHERRY-605110

DATE OF REGISTRATION	11/03/2015
TITLE	BAG



#### PRIORITY NA

DESIGN NUMBER	271366
CLASS	06-01
1)EKORNES ASA INDUSTRIVEGEN 1, 6222 IKORNNES, NORWAY, A COMPANY OF NORWAY	
DATE OF REGISTRATION 13/04/2015	
TITLE	CHAIR
	· · · · · · · · · · · · · · · · · · ·



#### **PRIORITY**

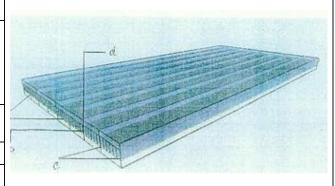
PRIORITY NUMBER	DATE	COUNTRY
20140910	17/10/2014	NORWAY

DESIGN NUMBER	264351
CLASS	23-03
1)VAIDHAV TIDVE AND CWADNII VOVATE DOTH INDIAN	

# 1)VAIBHAV TIDKE AND SWAPNIL KOKATE, BOTH INDIAN INHABITANTS HAVING THEIR ADDRESS AT

C/O PROF. BHASKAR THORAT, INSTITUTE OF CHEMICAL TECHNOLOGY, N.P. MARG, NEAR KHALASA COLLEGE, MATUNGA, MUMBAI-19, MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/07/2014
TITLE	SOLAR AIR HEATER
PRIORITY NA	



DESIGN NUMBER	278747
CLASS	05-05

1)PARRY MURRAY & CO. LTD., COMPANY REGISTERED UNDER THE LAWS OF ENGLAND AND WALES, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

3RD FLOOR, SIMPSON HOUSE, 6 CHERRY ORCHARD ROAD, CROYDON, CRO 6BA, UNITED KINGDOM

DATE OF REGISTRATION	17/12/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	273110
CLASS	15-99

#### 1)SHAIKH, FARHAN

A-102, PIONEER HERITAGE-1, NR. SANTACRUZ BUS DEPOT, OPP. SANE GURUJI SCHOOL, SANTACRUZ (W), MUMBAI - 400054, MAHARASHTRA, INDIA

DATE OF REGISTRATION	25/06/2015
TITLE	MODULAR PLATFORM FOR DELTA ROBOT



# PRIORITY NA

DESIGN NUMBER	245167
CLASS	19-06
1)SKI PLASTOWARE PVT. LTD. OF A-8, MINERVA IND. ESTATE, OPP. ASHA NAGAR, NEAR P & T COLONY, NEXT TO VICTORIA CLASSIC, MULUND (WEST), MUMBAI-400080, MAHARASHTRA, INDIA, INDIAN COMPANY	
DATE OF REGISTRATION	08/05/2012
TITLE	PENCIL BOX



DESIGN NUMBER	277938
CLASS	07-02

# 1) WEBER-STEPHEN PRODUCTS, LLC,

200 E. DANIELS ROAD, PALATINE, IL 60067, UNITED STATES OF AMERICA, NATIONALITY: UNITED STATES

DATE OF REGISTRATION	27/11/2015
TITLE	GRILL WITH STAND

# PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
29/530,659	18/06/2015	U.S.A.

DESIGN NUMBER	272347
CLASS	09-05
1)VDICHAN COEI	

#### 1)KRISHAN GOEL,

WZ 88, NIMRI VILLAGE, SHASTRI NAGAR, DELHI-110052. (INDIA) AS INDIAN NATIONAL

DATE OF REGISTRATION	26/05/2015
TITLE	WATER PROOF PLASTIC POUCH

# PRIORITY NA

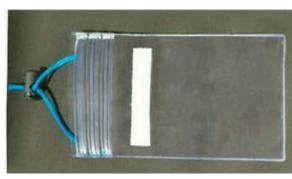
DESIGN NUMBER	271993
CLASS	02-01

# 1)DIXCY TEXTILES PVT. LTD, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956 OF THE ADDRESS

9, 10, 11, KIZHAKAL THOTTAM, SAKTHI NAGAR, KARUMARAPALAYAM, MANNARAI (PO), TIRUPUR 641607, TAMIL NADU, INDIA

DATE OF REGISTRATION	07/05/2015
TITLE	INNER GARMENT







DESIGN NUMBER	273168
CLASS	24-02

#### 1)POLY MEDICURE LIMITED

PLOT NO. 105, SECTOR 59, HSIIDC INDUSTRIAL AREA, FARIDABAD, HARYANA - 121 004, INDIA

DATE OF REGISTRATION	27/06/2015
TITLE	INTRAVENOUS CATHETER APPARATUS



#### PRIORITY NA

DESIGN NUMBER	264406
CLASS	24-03

# 1)M. S. RAMAIAH UNIVERSITY

OF APPLIED SCIENCES, UNIVERSITY HOUSE, GNANAGANGOTHRI CAMPUS, NEW BÉL ROAD, M S R NAGAR, BANGALORE -560 054, KARNATAKA, INDIA

DATE OF REGISTRATION	31/07/2014
TITLE	EXPANSION BOLT FOR DENTAL IMPLANT



### PRIORITY NA

DESIGN NUMBER	274070
CLASS	02-02
1)SABYASACHI COUTURE 86/C, JATIN DAS ROAD, KOLKATA - 700 029 WEST BENGAL INDIA.	

DATE OF REGISTRATION	30/07/2015
TITLE	LADIES GARMENT (SET)



DESIGN NUMBER 263953
CLASS 09-01

1)POLAR CONTAINERS PVT. LTD., (AN INDIAN PRIVATE LIMITED COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956), HAVING OFFICE AT S. NO. 134. GALA NO. EE 15 KHAN REAL ESTATE COMPOUND,

VASAI PHATA, NEAR NATIONAL HIGHWAY-8, (OPP. FOUNTAIN CITY MALL), PELHAR VILLAGE, VASAI (EAST), THANE-401208, MAHARASHTRA, INDIA

DATE OF REGISTRATION	10/07/2014
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	264650
CLASS	08-06

1)(1) PRADIPBHAI K. MEHTA, (2) AMITBHAI P. MEHTA AND (3) CHETANBHAI P. MEHTA ALL INDIAN NATIONAL PARTNERS OF KOMAL MANUFACTURING CO. AN INDIAN PARTNERSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

PLOT NO. 27, SURVEY NO. 224, SOMNATH IND. 5, RAJKOT GONDAL BYPASS ROAD, VILLAGE: KOTHARIYA, SOLVENT, RAJKOT, GUJARAT-INDIA

	DATE OF REGISTRATION	11/08/2014
TITLE HANDLE	TITLE	HANDLE



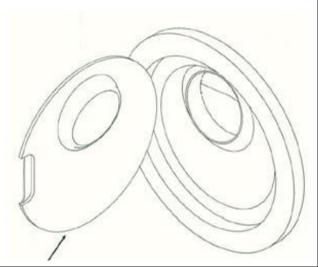
#### PRIORITY NA

DESIGN NUMBER	273979
CLASS	15-05

# 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY.

OF 129, SAMSUNG-RO, YEONGTONG-GU; SUWON-SI, GYEONGGI-DO 16677, REPUBLIC OF KOREA

DATE OF REGISTRATION	29/07/2015
TITLE	DOOR FOR WASHING MACHINE



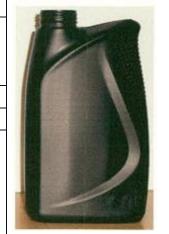
PRIORITY NUMBER	DATE	COUNTRY
30-2015-0022240	29/04/2015	REPUBLIC OF KOREA

DESIGN NUMBER	267718
CLASS	09-03

# 1)APAR INDUSTRIES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING ITS OFFICE AT

APAR HOUSE, CORPORATE PARK, SION TROMBAY ROAD, CHEMBUR, MUMBAI-400071, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/11/2014
TITLE	CONTAINER



#### PRIORITY NA

DESIGN NUMBER	270285
CLASS	03-01

# 1)HIDESIGN INDIA PRIVATE LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

244/1 OTHIAMPET VILLAGE, VILLIANUR, PONDICHERRY-605110

DATE OF REGISTRATION	11/03/2015
TITLE	BAG



DESIGN NUMBER	271360
CLASS	13-02
1)SU-KAM POWER SYSTEMS LTD. OF 306, KIRTI DEEP BUILDING, NANGAL RAYA, NEW DELHI-110046, INDIA, AN INDIAN COMPANY	
DATE OF REGISTRATION	13/04/2015
TITLE	UPS





DESIGN NUMBER	264345
CLASS	26-05

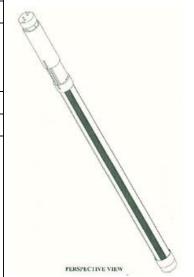
# 1)M-SYSTEM CO., LTD., A COMPANY ORGANIZED UNDER THE LAWS OF JAPAN, OF

14-26 HANNAN-CHO 4-CHOME, ABENO-KU, OSAKA-SHI, OSAKA 545-0021, JAPAN

DATE OF REGISTRATION	30/07/2014
TITLE	LED LAMP



PRIORITY NUMBER	DATE	COUNTRY
2014-001842	30/01/2014	JAPAN



DESIGN NUMBER	278745
CLASS	05-05

# 1)PARRY MURRAY & CO. LTD., COMPANY REGISTERED UNDER THE LAWS OF ENGLAND AND WALES, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

3RD FLOOR, SIMPSON HOUSE, 6 CHERRY ORCHARD ROAD, CROYDON, CRO 6BA, UNITED KINGDOM

DATE OF REGISTRATION	17/12/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	273106
CLASS	15-03

#### 1)K. S. POWER TECH.,

RAIKOT ROAD, MALERKOTLA-148023, DISTT. SANGRUR (PUNJAB) INDIA AN INDIAN PARTNERSHIP FIRM WHOSE PARTNERS ARE:- KULDEEP SINGH, AMRIT PAL SINGH, INDERJIT SINGH AND DAVINDER SINGH BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	25/06/2015
TITLE	LASER LAND LAVELLER



DESIGN NUMBER	273821
CLASS	08-09

1)AJNI INDUSTRIES PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

PLOT NO. 20 TO 26, GUJARAT INDUSTRIAL ESTATE, NEAR PVR CINEMA, CHHANI ROAD, NAVAYARD, VADODARA PIN: 390002, GUJARAT-INDIA

DATE OF REGISTRATION	22/07/2015
TITLE	ALUMINUM PROFILE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	266811
CLASS	19-06

# 1)RACHNA COMPASS INDUSTRIES AN INDIAN SOLE PROPRIETORSHIP FIRM AT

11/8, NEW RASHID MARKET, NEAR CHANDER NAGAR, DELHI-110051 WHOSE PROPRIETOR IS MAHESH KUMAR ARORA AN INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	20/10/2014
TITLE	COMPASS



### PRIORITY NA

DESIGN NUMBER	267992
CLASS	02-04

1)M/S. M. M. POLYMERS, REPRESENTED BY MR. K. K. MOHAN, PROPRIETOR, HAVING OFFICE AT

ROOM NO. 209, JAWAHAR BUILDING, K. P. K. MENON ROAD, CALICUT-673001, KERALA

DATE OF REGISTRATION	08/12/2014
TITLE	FOOTWEAR
PRIORITY NA	



DESIGN NUMBER	269033
CLASS	08-99

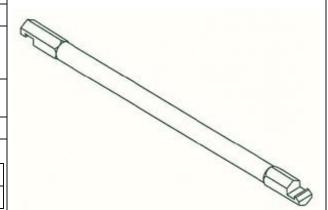
1)INTER-POWER CORPORATION OF THE ADDRESS:

3578 VAN DYKE, ALMONT, MICHIGAN 48003, UNITED STATES OF AMERICA

DATE OF REGISTRATION	22/01/2015	
TITLE	BILLET PUSH ROD	

**PRIORITY** 

ı	IMOMIII		
	PRIORITY NUMBER	DATE	COUNTRY
	29/497,584	25/07/2014	U.S.A.



DESIGN NUMBER	264907
CLASS	08-08

1)(1) HITESHBHAI VITHALBHAI SARDHARA (2) DINESHBHAI BHAILALBHAI SARDHARA AND (3) KIRANBEN VINODBHAI SARDHARA., ALL INDIAN NATIONAL PARTNERS OF M/S. MAX INTERIOR PRODUCT, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPLE PLACE OF BUSINESS AT,

2, RADHAKRISHAN NAGAR, VIKRAM SARABHAI MARG, NEAR MANSATA IND. GONDAL ROAD, RAJKOT, GUJARAT-INDIA.

DATE OF REGISTRATION	20/08/2014
TITLE	CURTAIN FITTING



### PRIORITY NA

DESIGN NUMBER	273812
CLASS	08-09

1)AJNI INDUSTRIES PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

PLOT NO. 20 TO 26, GUJARAT INDUSTRIAL ESTATE, NEAR PVR CINEMA, CHHANI ROAD, NAVAYARD, VADODARA PIN: 390002, GUJARAT-INDIA

DATE OF REGISTRATION 22/07/2015	
TITLE ALUMINUM PROFILE	
PRIORITY NA	



DESIGN NUMBER	272833
CLASS	14-03

#### 1)COVIDIEN LP

A LEGAL ENTITY OF THE STATE OF DELAWARE, OF 15 HAMPSHIRE STREET, MANSFIELD, MA 02048, UNITED STATES OF AMERICA

DATE OF REGISTRATION	18/06/2015
TITLE	SENSOR CABLE AND CONNECTOR



l	PRIORITY NUMBER	DATE	COUNTRY
l	29/512,434	18/12/2014	U.S.A.

DESIGN NUMBER	278126
CLASS	15-02

#### 1)DOSATRON INTERNATIONAL,

RUE PASCAL, F-33370 TRESSES, BORDEAUX, FRANCE, A FRENCH COMPANY INCORPORATED UNDER THE LAWS OF FRANCE

DATE OF REGISTRATION	04/12/2015
TITLE	CONTROL BOX FOR PUMP

# **PRIORITY**

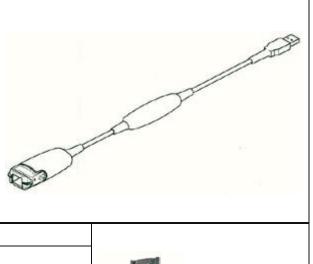
PRIORITY NUMBER	DATE	COUNTRY
002721845-0002	18/06/2015	OHIM

DESIGN NUMBER	273003
CLASS	07-01

# 1)SUN INDUSTRIES.,

GALA NO. 6/7/8, VIJAY MHATRE INDUSTRIAL ESTATE, OPP. VARUN INDUSTRIES, CHINCHPADA, WALIV, VASAI (EAST), DIST: THANE-401208. STATE OF MAHARASHTRA (INDIA) AN INDIAN PARTNERSHIP FIRM, WHOSE PARTNERS ARE: 1. RAKESH BHAVARLAL BAFNA, 2. KIRTI RAKESH BAFNA INDIAN NATIONALS, OF ABOVE ADDRESS

DATE OF REGISTRATION	24/06/2015
TITLE	JUG

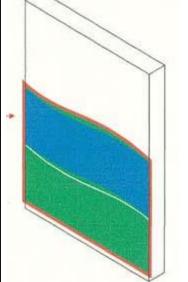






DESIGN NUMBER	272811
CLASS	09-03
1)HISAMITSU PHARMACEUTICAL CO., INC., A COMPANY INCORPORATED UNDER THE LAW OF JAPAN, OF	
408, TASHIRODAIKAN-MACHI, TOSU-SHI, SAGA 841-0017, JAPAN	

DATE OF REGISTRATION	17/06/2015
TITLE	PACKAGING BOX



# **PRIORITY**

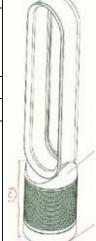
PRIORITY NUMBER	DATE	COUNTRY
2014-028182	17/12/2014	JAPAN

DESIGN NUMBER	273971
CLASS	23-04

# 1)DYSON TECHNOLOGY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE UNITED KINGDOM,

OF TETBURY HILL, MALMESBURY, WILTSHIRE, SN16 0RP, UNITED KINGDOM

DATE OF REGISTRATION	29/07/2015
TITLE	FAN



PRIORITY NUMBER	DATE	COUNTRY
001429252-0001	30/01/2015	OHIM

CLASS	07-04	
1)SANDEEP KOTHARI HAVING PLACE OF BUSINESS AT NO:7, PETE CHENGAPPA INDUSTRIAL ESTATE, MAGADI ROAD, KAMAKSHIPALYA, BANGALORE 560 079 AND NATIONALITY OF INDIAN		
DATE OF REGISTRATION	11/02/2015	
TITLE	BASKET	

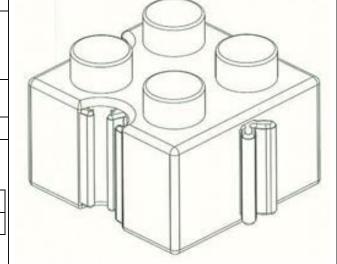


DESIGN NUMBER	264202
CLASS	21-01

# 1)CHISWICK INNOVATIONS LIMITED, A COMPANY INCORPORATED IN THE UNITED KINGDOM OF

7 CHESTERFIELD ROAD, LONDON, W4 3HG, UNITED KINGDOM

DATE OF REGISTRATION	23/07/2014
TITLE	TOY ASSEMBLY BLOCK



# PRIORITY

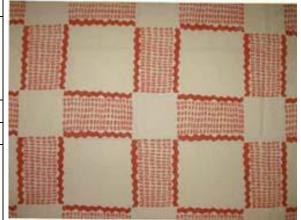
PRIORITY NUMBER	DATE	COUNTRY
001404180	25/02/2014	OHIM

DESIGN NUMBER	278741
CLASS	05-05

# 1)PARRY MURRAY & CO. LTD., COMPANY REGISTERED UNDER THE LAWS OF ENGLAND AND WALES, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

3RD FLOOR, SIMPSON HOUSE, 6 CHERRY ORCHARD ROAD, CROYDON, CRO 6BA, UNITED KINGDOM

DATE OF REGISTRATION	17/12/2015
TITLE	TEXTILE FABRIC



# PRIORITY NA

DESIGN NUMBER	273817
CLASS	08-09

# 1)AJNI INDUSTRIES PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:

PLOT NO. 20 TO 26, GUJARAT INDUSTRIAL ESTATE, NEAR PVR CINEMA, CHHANI ROAD, NAVAYARD, VADODARA PIN: 390002, GUJARAT-INDIA

DATE OF REGISTRATION	22/07/2015
TITLE	ALUMINUM PROFILE



DESIGN NUMBER	266948
CLASS	09-07
1)BAYER ANIMAL HEALTH G	MBH, A GERMAN COMPANY OF
51368 LEVERKUSEN, GERMA	



### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
002455279-0001	29/04/2014	OHIM

DESIGN NUMBER	272248
CLASS	09-03

# 1)APEX POLYMERS,

H-1442, DS IIDC INDUSTRIAL COMPLEX NARELA, NEW DELHI-110040 AN INDIAN PARTNERSHIP FIRM WHOSE PARTNERS ARE:- SH. ROHIT BANSAL & SH. SUSHIL GOEL

DATE OF REGISTRATION	20/05/2015
TITLE	CONTAINER



#### PRIORITY NA

DESIGN NUMBER	270898
CLASS	11-01

# 1)MR. JIGNESH RAMESHBHAI SHAH; AN INDIAN NATIONAL WHOSE ADDRESS IS

3RD FLOOR, PANNA MANEK BUILDING, OPP MAA ASHAPURA TEMPLE, PALACE ROAD, RAJKOT-360001, GUJARAT, INDIA

DATE OF REGISTRATION	01/04/2015
TITLE	PENDANT AND EARRING SET

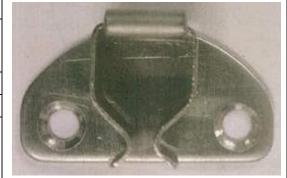


DESIGN NUMBER	224530
CLASS	08-08

# 1)MR. DILIP VITHALDAS NIRMAL

4, PARASNATH DARSHAN, KHALAI VILLAGE, KIROL-KURLA ROAD, VIDYAVIHAR (W) MUMBAI-400086

DATE OF REGISTRATION	01/09/2009	
TITLE	CLIP	



#### PRIORITY NA

DESIGN NUMBER		272938	
	CLASS	06-01	

# 1)GODREJ & BOYCE MFG. CO. LTD., AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913,

OF GODREJ INTERIO, PLANT 4, PIROJSHANAGER, VIKHROLI (WEST), MUMBAI-400079, INDIA

DATE OF REGISTRATION	22/06/2015	
TITLE	CHAIR	



### PRIORITY NA

DESIGN NUMBER	278542
CLASS	12-11

# 1)TUBE INVESTMENTS OF INDIA LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

"DARE HOUSE", 234, N. S. C. BOSE ROAD, CHENNAI - 600001, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	21/12/2015
TITLE	FRAME FOR BICYCLE



DESIGN NUMBER	274013
CLASS	11-01

#### 1)DAVIDOR LLC

3265 MERIDIAN PARKWAY, SUITE NO. 114, WESTON, FLORIDA 33331, UNITED STATES OF AMERICA

DATE OF REGISTRATION	30/07/2015	
TITLE	JEWELRY	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/516,274	30/01/2015	U.S.A.



DESIGN NUMBER	270291	
CLASS	03-01	

# 1)HIDESIGN INDIA PRIVATE LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

244/1 OTHIAMPET VILLAGE, VILLIANUR, PONDICHERRY-605110

DATE OF REGISTRATION	11/03/2015	
TITLE	BAG	



# PRIORITY NA

DESIGN NUMBER	271367	
CLASS 06-01		
1)EKORNES ASA INDUSTRIVEGEN 1, 6222 IKORNNES, NORWAY, A COMPANY OF NORWAY		
DATE OF REGISTRATION 13/04/2015		
TITLE	CHAIR	
	,	

PRIORITY NUMBER	DATE	COUNTRY
20140910	17/10/2014	NORWAY



DESIGN NUMBER	272316
CLASS	25-02

# 1)DURLUM GROUP GMBH, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF GERMANY

OF AN DER WIESE 5, 79650 SCHOPFHEIM, GERMANY

DATE OF REGISTRATION	25/05/2015
TITLE	CEILING CLADDING



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002585455-0005	26/11/2014	OHIM

DESIGN NUMBER	278748
CLASS	05-05

# 1)PARRY MURRAY & CO. LTD., COMPANY REGISTERED UNDER THE LAWS OF ENGLAND AND WALES, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

3RD FLOOR, SIMPSON HOUSE, 6 CHERRY ORCHARD ROAD, CROYDON, CRO 6BA, UNITED KINGDOM

DATE OF REGISTRATION	17/12/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	273122
CLASS	07-02

#### 1)NAYASA WORLD OF

SURVEY NO. 655/IC NEAR SOMNANATH CO.OP.SOCIETY, DABHEL NANI DAMAN, DAMAN-396310, (UNION TERRITORIES) DAMAN, INDIA, INDIAN PARTNERSHIP FIRM, WHOSE PARTNERS ARE RUPA SACHDEV, MANASI SACHDEV & KISHOR MALIK, ALL INDIAN NATIONALS

DATE OF REGISTRATION	26/06/2015
TITLE	TIFFIN BOX WITH LID



DESIGN NUMBER	270896
CLASS	11-01

### 1)MR. JIGNESH RAMESHBHAI SHAH; AN INDIAN NATIONAL WHOSE ADDRESS IS

3RD FLOOR, PANNA MANEK BUILDING, OPP MAA ASHAPURA TEMPLE, PALACE ROAD, RAJKOT-360001, GUJARAT, INDIA

DATE OF REGISTRATION	01/04/2015	
TITLE	PENDANT AND EARRING SET	
DDIODIEW NA		



#### PRIORITY NA

DESIGN NUMBER	272918
CLASS	11-02

## 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	22/06/2015
TITLE	WALL ORNAMENT



#### PRIORITY NA

DESIGN NUMBER	278540
CLASS	12-11

# 1)TUBE INVESTMENTS OF INDIA LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

"DARE HOUSE", 234, N. S. C. BOSE ROAD, CHENNAI - 600001, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	21/12/2015
TITLE	FRAME FOR BICYCLE



DESIGN NUMBER	273324
CLASS	08-06

## 1)MANISHBHAI K. CHOVATIYA AN INDIAN NATIONAL HAVING HIS PRINCIPAL PLACE OF BUSINESS AT

PLOT NO. A/16, PATEL IND. AREA, B/H. RIDDHI SIDDHI SOC., NEAR OVER BRIDGE, GONDAL CHOWKDI, RAJKOT, GUJARAT-INDIA

DATE OF REGISTRATION	02/07/2015
TITLE	HANDLE



#### PRIORITY NA

DESIGN NUMBER	273949	
CLASS	12-08	
1)FERRARI S.P.A., AN ITALIAN COMPANY OF VIA EMILIA EST 1163, MODENA, ITALY		
DATE OF REGISTRATION	28/07/2015	
TITLE	CAR	
PRIORITY		

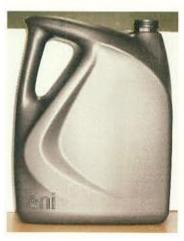
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
002623256	29/01/2015	OHIM

DESIGN NUMBER	267720	
CLASS	09-03	
1)APAR INDUSTRIES LIMITED, AN INDIAN COMPANY INCORPORATED		

## 1)APAR INDUSTRIES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING ITS OFFICE AT

APAR HOUSE, CORPORATE PARK, SION TROMBAY ROAD, CHEMBUR, MUMBAI-400071, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/11/2014
TITLE	CONTAINER



DESIGN NUMBER	275883
CLASS	04-02
1)KAMPALOOK LTD.,	

6 HANEHOSHET STREET, TEL AVIV, 6971070, ISRAEL

DATE OF REGISTRATION	18/09/2015
TITLE	PORTABLE HAIRBRUSH



PRIORITY NUMBER	DATE	COUNTRY
29/521,112	19/03/2015	U.S.A.

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DESIGN NUMBER	277894
CLASS	23-01

#### 1)WHIRLPOOL OF INDIA LIMITED, AN INDIAN COMPANY HAVING ITS CORPORATE OFFICE AT

'WHIRLPOOL HOUSE', PLOT NO. 40, SECTOR-44, GURGAON-122002, HARYANA, INDIA

DATE OF REGISTRATION	27/11/2015
TITLE	WATER PURIFIER



#### PRIORITY NA

DESIGN NUMBER	278740
CLASS	05-05

#### 1)PARRY MURRAY & CO. LTD., COMPANY REGISTERED UNDER THE LAWS OF ENGLAND AND WALES, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

3RD FLOOR, SIMPSON HOUSE, 6 CHERRY ORCHARD ROAD, CROYDON, CRO 6BA, UNITED KINGDOM

DATE OF REGISTRATION	17/12/2015
TITLE	TEXTILE FABRIC



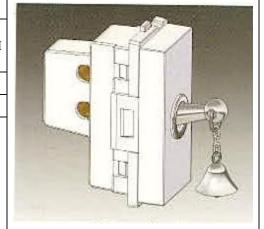


DESIGN NUMBER	273370
CLASS	13-03

#### 1) DEVENDRA K JAIN TRADING AS VIHAN ELECTRICALS

MANAV-5, BEHIND GAMDEVI MANDIR, OPPOSITE SAI SERVICE, SATIVALI VILLAGE, VASAI (EAST), DIST. THANE, MAHARASHTRA 401208, INDIA

DATE OF REGISTRATION	04/07/2015
TITLE	ELECTRICAL SWITCH



#### PRIORITY NA

DESIGN NUMBER	268618
CLASS	09-01

#### 1)GLAXO GROUP LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF ENGLAND AND WALES OF THE ADDRESS

980 GREAT WEST ROAD, BRENTFORD, MIDDLESEX TW8 9GS, UNITED KINGDOM

DATE OF REGISTRATION	02/01/2015
TITLE	JAR WITHOUT LID



#### **PRIORITY**

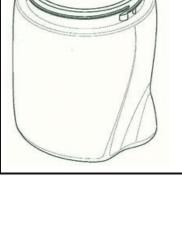
PRIORITY NUMBER	DATE	COUNTRY
GB 4036269	04/07/2014	U.K.

DESIGN NUMBER	269232
CLASS	13-99

#### 1)SUNCULTURE SOLAR INC., A DELAWARE CORPORATION OF

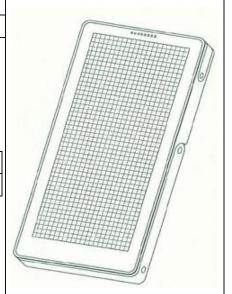
240 MOUNTAIN VIEW AVENUE, MOUNTAIN VIEW, CA 94041, UNITED STATES OF AMERICA

DATE OF REGISTRATION	02/02/2015
TITLE	SOLAR PANEL



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/498,088	31/07/2014	U.S.A.



DESIGN NUMBER	278000
CLASS	07-01

### 1)RAHUL JOHAR (AN INDIAN NATIONAL) TRADING AS M/S JOHAR ENTERPRISES,

T-311, AHATA KIDARA, BEHIND FILMISTAN HALL, LAKSHMI NARAYAN MANDIR, DELHI-110006

DATE OF REGISTRATION	01/12/2015
TITLE	WATER JUG



#### PRIORITY NA

DESIGN NUMBER	271593
CLASS	07-01

#### 1)M. M. PLASTOWARE (INDIA) PVT. LTD.

GALA NO. 1, SURVEY NO. 66, PLOT NO. 8/9, SANJEEVANI INDL. ESTATE, NAIKPADA, WALIV, VASAI (EAST) DIST: THANE-401208 STATE OF MAHARASHTRA INDIA, / A PRIVATE LIMITED COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT., ABOVE ADDRESS

DATE OF REGISTRATION	22/04/2015
TITLE	PLASTIC MUG



#### PRIORITY NA

DESIGN NUMBER	270866
CLASS	15-09

## 1)SUSHIL SUBHASH NAHAK AN INDIAN NATIONAL WHOSE ADDRESS IS

SWAMI VIVEKANAND ARCADE, A WING, 2ND FLOOR, ROOM NO. 204, NEAR VISHAL COMPLEX, CHAKKINAKA, KALYAN (EAST)-421306 MAHARASHTRA, INDIA

DATE OF REGISTRATION	01/04/2015	
TITLE	CASTING MACHINE	
PRIORITY NA		



DESIGN NUMBER	264576		
CLASS	09-01		
KOJAR AND (4) DIVINE GRACE ( MULTISTATE CO-OP. SOC. LTD. AMENITY FOOD & BEVERAGES PRINCIPAL PLACE OF BUSINESS	MUSTUFAALI N. KOJAR (3) SADIKALI N. GREEN FARMING AND MARKETING ALL INDIAN NATIONAL PARTNERS OF AN INDIAN PARTNERSHIP FIRM HAVING ITS SAT OTEL, KAKOSHI CHAR RASTA, SIDHPUR, DIST.		
DATE OF REGISTRATION	07/08/2014		
TITLE	BOTTLE		
PRIORITY NA			
DESIGN NUMBER	278499		
CLASS	06-01		
1)PRIMA PLASTICS LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT 41 NATIONAL HOUSE, SAKI-VIHAR ROAD, POWAI, ANDHERI (E), MUMBAI - 400072			
DATE OF REGISTRATION TITLE	18/12/2015 CHAIR		
PRIORITY NA			
DESIGN NUMBER	273193		
CLASS	24-02	8	
1)POLY MEDICURE LIMITED PLOT NO. 105, SECTOR 59, HSI HARYANA - 121 004, INDIA	IDC INDUSTRIAL AREA, FARIDABAD,		
DATE OF REGISTRATION	29/06/2015		
TITLE	INTRAVENOUS DRIP CHAMBER		
PRIORITY NA			

DESIGN NUMBER 228902
CLASS 07-01

1)NAYASA HOMEWARE

SURVEY NO. 367/16 & 378/2 KACHIGAM, NANI DAMAN, DAMAN-396210, (UNION TERRITORIES) DAMAN UNION TERRITORIES, INDIA

DATE OF REGISTRATION	27/04/2010	
TITLE	BOWL	



#### PRIORITY NA

DESIGN NUMBER	272962
CLASS	12-08

1)HYUNDAI MOTOR COMPANY,

231, YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA, A KOREAN COMPANY

DATE OF REGISTRATION	22/06/2015
TITLE	AUTOMOBILE



PRIORITY NUMBER	DATE	COUNTRY
30-2015-0005470	02/02/2015	REPUBLIC OF KOREA



DESIGN NUMBER	272770		
CLASS 10-05			
1)MISFIT WEARABLES CORPORATION, A			

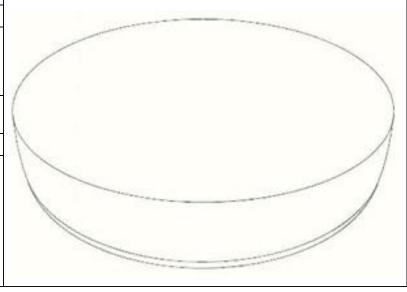
1)MISFIT WEARABLES CORPORATION, A COMPANY INCORPORATED UNDER THE LAWS OF USA WHOSE ADDRESS IS

5 BROOKDALE ROAD, SALEM, NH 03079, USA

DATE OF REGISTRATION	16/06/2015
TITLE	MONITORING DEVICE

PR	Ю	$\mathbb{R}$	$\mathbf{T}$	Y
PK	UU	RI	ľľ	Y

PRIORITY NUMBER	DATE	COUNTRY
29/512,056	16/12/2014	U.S.A.

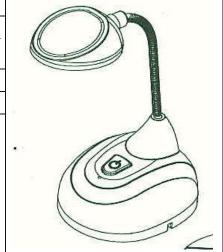


DESIGN NUMBER	265530
CLASS	26-02

#### 1)EVEREADY INDUSTRIES INDIA LTD.

1, MIDDLETON STREET, KOLKATA-700071, WEST BENGAL, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	08/09/2014
TITLE	LAMP



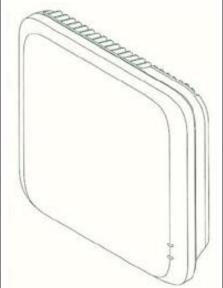
#### PRIORITY NA

DESIGN NUMBER	278485
CLASS	14-03

#### 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY,

OF 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742 REPUBLIC OF KOREA

DATE OF REGISTRATION	18/12/2015	
TITLE	WIRELESS REPEATER	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0044349	02/09/2015	KOREA(SOUTH)

DESIGN NUMBER	273167	
CLASS	24-02	
1) <b>POLY MEDICURE LIMITED</b> PLOT NO. 105, SECTOR 59, HSIIDC INDUSTRIAL AREA, FARIDABAD, HARYANA - 121 004, INDIA		
DATE OF REGISTRATION	27/06/2015	
TITLE	URIMETER	



DESIGN NUMBER	273364
CLASS	13-03

#### 1)M/S INDER INDUSTRIES

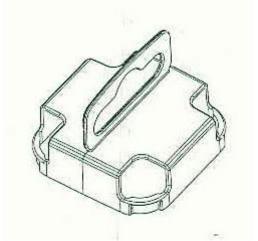
301, SOBHANA APPARTMENT, CHANDVARKAR LANE, BORIVALI (WEST), MUMBAI 400092, INDIA

DATE OF REGISTRATION	04/07/2015
TITLE	SWITCH BOARD COVER PLATE



#### PRIORITY NA

DESIGN NUMBER	265715
CLASS	09-03
1)ROSE PLASTIC AG, A GERMAN COMPANY, OF RUPOLZER STRASSE 53, 88138 HERGENSWEILER, GERMANY	
DATE OF REGISTRATION 16/09/2014	
TITLE	LATCHING CAP FOR PACKAGING SLEEVE



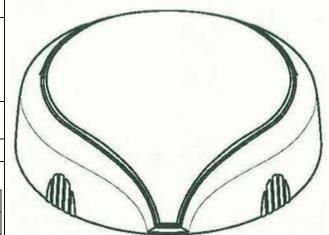
#### PRIORITY NA

DESIGN NUMBER	268616
CLASS	09-07

#### 1)GLAXO GROUP LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF ENGLAND AND WALES OF THE ADDRESS

980 GREAT WEST ROAD, BRENTFORD, MIDDLESEX TW8 9GS, UNITED KINGDOM

DATE OF REGISTRATION	02/01/2015
TITLE	LID FOR JARS
DDIODITY	



#### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
GB 4036272	04/07/2014	U.K.

DESIGN NUMBER	277970
CLASS	06-01

## 1)GODREJ & BOYCE MFG. CO. LTD., AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913,

OF GODREJ INTERIO, PLANT 4, PIROJSHANAGAR, VIKHROLI (WEST), MUMBAI-400079, INDIA

DATE OF REGISTRATION	30/11/2015
TITLE	SOFA



#### PRIORITY NA

DESIGN NUMBER	270853
CLASS	11-01

## 1)MR. JIGNESH RAMESHBHAI SHAH; AN INDIAN NATIONAL WHOSE ADDRESS IS

3RD FLOOR, PANNA MANEK BUILDING, OPP MAA ASHAPURA TEMPLE, PALACE ROAD, RAJKOT-360001, GUJARAT, INDIA

DATE OF REGISTRATION	01/04/2015
TITLE	NECKLACE AND EARRING SET



#### PRIORITY NA

DESIGN NUMBER	272392
CLASS	12-05
1)ESCORTS LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT SCO-232, 1ST FLOOR, SECTOR-20, PANCHKULA-134109, HARYANA, INDIA AND HAVING CORPORATE OFFICE AT 15/5, MATHURA ROAD, FARIDABAD-121003.	
DATE OF REGISTRATION	27/05/2015
TITLE	CRANE

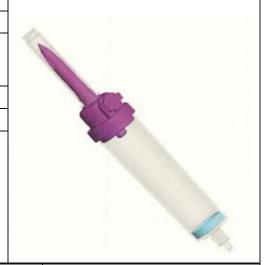


DESIGN NUMBER	273169
CLASS	24-02

#### 1)POLY MEDICURE LIMITED

PLOT NO. 105, SECTOR 59, HSIIDC INDUSTRIAL AREA, FARIDABAD, HARYANA - 121 004, INDIA

DATE OF REGISTRATION	27/06/2015	
TITLE	INTRAVENOUS DRIP CHAMBER	



#### PRIORITY NA

DESIGN NUMBER	272623
CLASS	09-01

## 1)MR. ANIRUDDHA PRADYUMNA DESHPANDE, INDIAN NATIONAL ON BEHALF OF YASHOMALA FRAMING & TOURISM PVT. LTD., A FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS ADDRESS AT

CITY CHAMBERS, 917/19A, F.C. ROAD, PUNE-411004

DATE OF REGISTRATION	09/06/2015	
TITLE	BOTTLE	



DESIGN NUMBER	271437	
CLASS	23-04	
1)CROMPTON GREAVES LIMITED, CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY		
DATE OF REGISTRATION 16/04/2015		
TITLE CEILING FAN		
PRIORITY NA		



DESIGN NUMBER	272318
CLASS	25-02

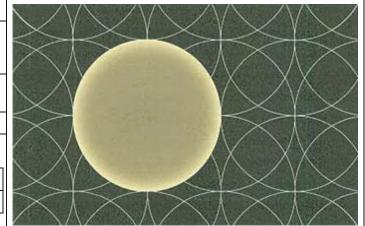
## 1)DURLUM GROUP GMBH, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF GERMANY

OF AN DER WIESE 5, 79650 SCHOPFHEIM, GERMANY

DATE OF REGISTRATION	25/05/2015	
TITLE	CEILING CLADDING	



ı			
	PRIORITY NUMBER	DATE	COUNTRY
١	002585455-0007	26/11/2014	OHIM



DESIGN NUMBER	271978
CLASS	08-08

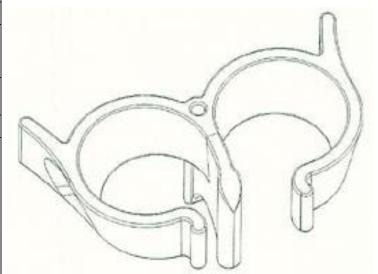
#### 1)A. RAYMOND ET CIE

111-113 ET 115 COURS BERRIAT 38000 GRENOBLE, FRACE, NATIONALITY: FRANCE

DATE OF REGISTRATION	06/05/2015	
TITLE	FASTENING CLIPS	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002572313-0001	06/11/2014	OHIM



DESIGN NUMBER	272965
CLASS	30-02

## 1)GIGGIN T, AGED 41, S/O. K.C. THYAGARAJ, RESIDING AT

THALEENA, KUZHIKKATTU, ASHTAMICHIRA P.O., THRISSUR DISTRICT, PIN-680731, KERALA, INDIA

DATE OF REGISTRATION	22/06/2015	
TITLE	ANIMAL CAGE	

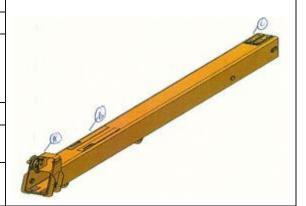


DESIGN NUMBER	263412
CLASS	12-16

## 1)R. N. GUPTA & COMPANY LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

UNIT-II, GT ROAD, TEHSIL PAYAL, DORAHA-141421

DATE OF REGISTRATION	17/06/2014
TITLE	CYLINDER EXTENSION ASSEMBLY OF CRANE



#### PRIORITY NA

DESIGN NUMBER	272784	
CLASS	26-05	
1)HAVELLS INDIA LIMITED 1, RAJ NARAIN MARG, CIVIL LINES, DELHI-110054, INDIA		
DATE OF REGISTRATION	16/06/2015	
TITLE	LUMINAIRE	



#### PRIORITY NA

DESIGN NUMBER	270897
CLASS	11-01

## 1)MR. JIGNESH RAMESHBHAI SHAH; AN INDIAN NATIONAL WHOSE ADDRESS IS

3RD FLOOR, PANNA MANEK BUILDING, OPP MAA ASHAPURA TEMPLE, PALACE ROAD, RAJKOT-360001, GUJARAT, INDIA

DATE OF REGISTRATION	01/04/2015	
TITLE	PENDANT AND EARRING SET	



DESIGN NUMBER		278541		
CLASS		12-11		
COMPANY INCORPORA ACT OF 1956, HAVING I BUSINESS AT	ATED UND TS PRINC N. S. C. BC	IPAL PLACE OF SE ROAD, CHENNAI -		
DATE OF REGISTRATION		21/12/2015		
TITLE	FR	AME FOR BICYCLE		
PRIORITY NA				
DESIGN NUMBER		271420		
CLASS		05-05		TATING AND HE AND HE AND HE AND
1)SIDDHI VINAYAK K A-26, CENTRAL PARK		RINTS LTD. ANDESARA, SURAT-394221	, GUJARAT INDIA	CNORONORONORON
DATE OF REGISTRATION	ON	15/04/201	15	
TITLE		TEXTILE FA	BRIC	
PRIORITY NA				
DESIGN NUMBER		272317		
CLASS		25-02		
1)DURLUM GROUP GMBH, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF GERMANY OF AN DER WIESE 5, 79650 SCHOPFHEIM, GERMANY		D EXISTING		
DATE OF REGISTRATION	ON	25/05/2015		
TITLE		CEILING CLAI	DDING	NAIXIXIX

DATE 26/11/2014 COUNTRY

OHIM

PRIORITY

PRIORITY NUMBER

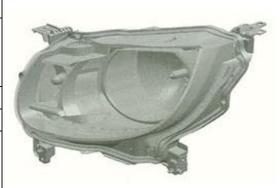
002585455-0006

DESIGN NUMBER	273132
CLASS	26-06

## 1)SUZUKI MOTOR CORPORATION, A JAPANESE CORPORATION OF

300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-PREF., JAPAN

DATE OF REGISTRATION	2	6/06/2015
TITLE	HEADLAMP	FOR AUTOMOBILES
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
2015-002670	11/02/2015	JAPAN

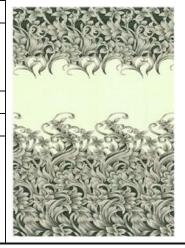


DESIGN NUMBER	271926
CLASS	05-05

## 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	06/05/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	264356
CLASS	23-03

## 1)VAIBHAV TIDKE AND SWAPNIL KOKATE, BOTH INDIAN INHABITANTS HAVING THEIR ADDRESS AT

C/O PROF. BHASKAR THORAT, INSTITUTE OF CHEMICAL TECHNOLOGY, N.P. MARG, NEAR KHALASA COLLEGE, MATUNGA, MUMBAI-19, MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/07/2014
TITLE	SOLAR WATER HEATER
PRIORITY NA	

